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Doing Business 2012

THE WORLD BANK IFC

Economy Profile:

Iceland

Doing business in a **more transparent world**

COMPARING REGULATION FOR DOMESTIC FIRMS IN 183 ECONOMIES

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INTRODUCTION

Doing Business sheds light on how easy or difficult it is for a local entrepreneur to open and run a small to medium-size business when complying with relevant regulations. It measures and tracks changes in regulations affecting 10 areas in the life cycle of a business: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency.

In a series of annual reports *Doing Business* presents quantitative indicators on business regulations and the protection of property rights that can be compared across 183 economies, from Afghanistan to Zimbabwe, over time. The data set covers 46 economies in Sub-Saharan Africa, 32 in Latin America and the Caribbean, 24 in East Asia and the Pacific, 24 in Eastern Europe and Central Asia, 18 in the Middle East and North Africa and 8 in South Asia, as well as 31 OECD high-income economies. The indicators are used to analyze economic outcomes and identify what reforms have worked, where and why.

This economy profile presents the *Doing Business* indicators for Iceland. To allow useful comparison, it also provides data for other selected economies (comparator economies) for each indicator. The data in this report are current as of June 1, 2011 (except for the paying taxes indicators, which cover the period January–December 2010).

The *Doing Business* methodology has limitations. Other areas important to business—such as an economy's proximity to large markets, the quality of its infrastructure services (other than those related to trading across borders and getting electricity), the security of property from theft and looting, the transparency of government procurement, macroeconomic conditions or the underlying strength of institutions—are not directly studied by *Doing Business*. The indicators refer to a specific type of business, generally a local limited liability company operating in the largest business city. Because standard assumptions are used in the data collection, comparisons and benchmarks are valid across economies. The data not only highlight the extent of obstacles to doing business; they also help identify the source of those obstacles, supporting policy makers in designing regulatory reform.

More information is available in the full report. *Doing Business 2012* presents the indicators, analyzes their relationship with economic outcomes and recommends regulatory reforms. The data, along with information on ordering *Doing Business 2012*, are available on the *Doing Business* website at http://www.doingbusiness.org.

THE BUSINESS ENVIRONMENT

For policy makers trying to improve their economy's regulatory environment for business, a good place to start is to find out how it compares with the regulatory environment in other economies. *Doing Business* provides an aggregate ranking on the ease of doing business based on indicator sets that measure and benchmark regulations applying to domestic small to medium-size businesses through their life cycle. Economies are ranked from 1 to 183 by the ease of doing business index. For each economy the index is calculated as the ranking on the simple average of its percentile rankings on each of the 10 topics included in the index in *Doing Business 2012*: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency. The ranking on each topic is the simple average of the percentile rankings on its component indicators (see the data notes for more details).[1]

The aggregate ranking on the ease of doing business benchmarks each economy's performance on the indicators against that of all other economies in the *Doing Business* sample (figure 1.1). While this ranking tells much about the business environment in an economy, it does not tell the whole story. The ranking on the ease of doing business, and the underlying indicators, do not measure all aspects of the business environment that matter to firms and investors or that affect the competitiveness of the economy. Still, a high ranking does mean that the government has created a regulatory environment conducive to operating a business.

ECONOMY OVERVIEW

Region: OECD high income

Income category: High income

Population: 318,450

GNI per capita (US$): 33,870.00

DB2012 rank: 9

DB2011 rank: 13

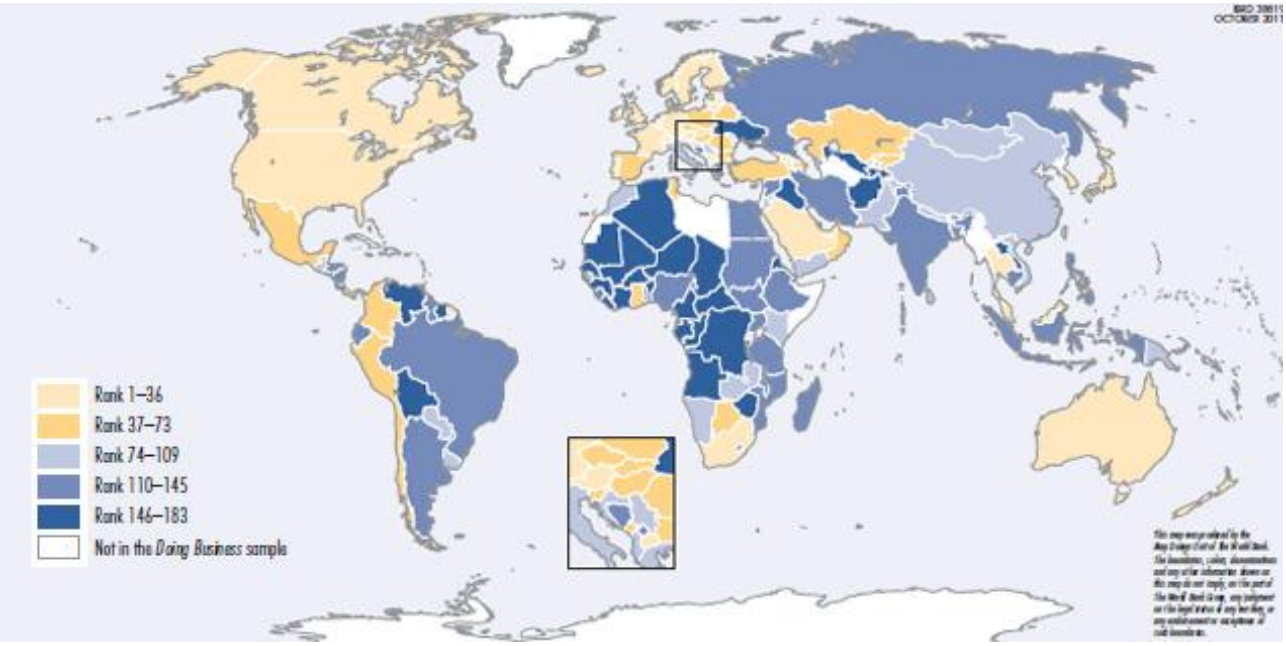
Change in rank: 4

Note: See the data notes for sources and definitions.

[1] Except for the ease of getting credit, for which the percentile rankings on its component indicators are weighted, the depth of credit information index at 37.5% and the strength of legal rights index at 62.5%.

THE BUSINESS ENVIRONMENT

Figure 1.1 Where economies stand in the global ranking on the ease of doing business

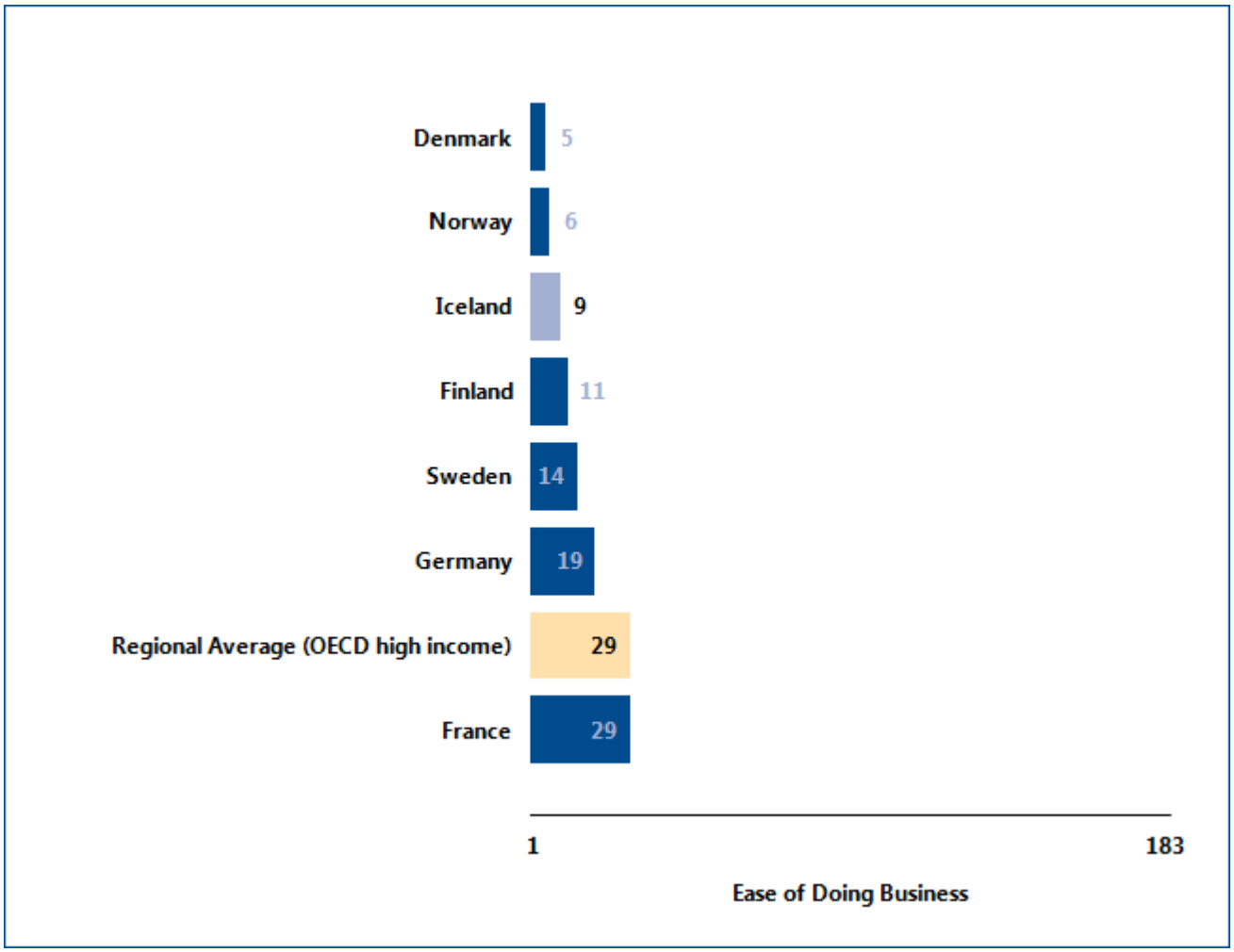


Source: Doing Business database.

THE BUSINESS ENVIRONMENT

For policy makers, knowing where their economy stands in the aggregate ranking on the ease of doing business is useful. Also useful is to know how it ranks compared with other economies and compared with the regional average (figure 1.2). The economy's rankings on the topics included in the ease of doing business index provide another perspective (figure 1.3).

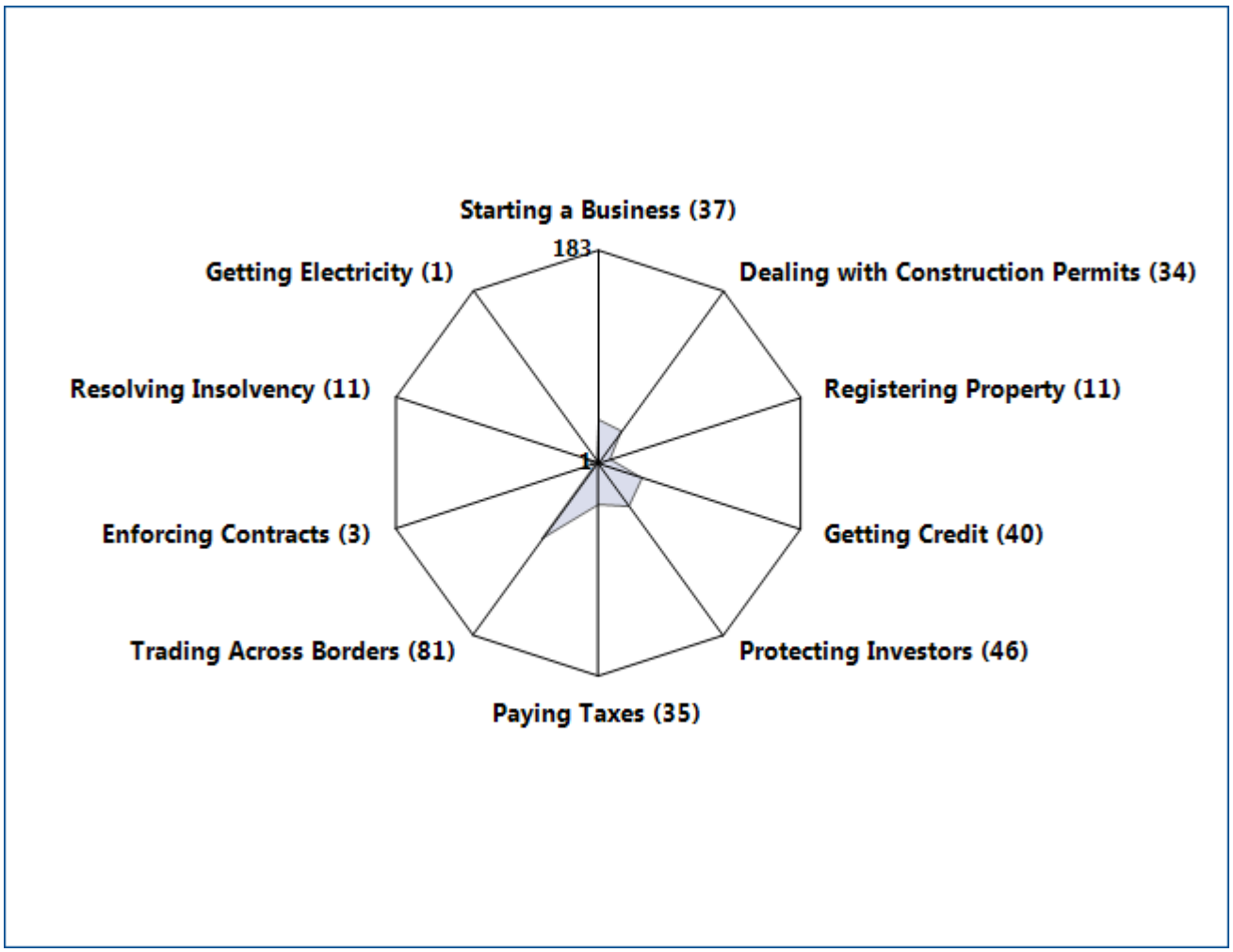
Figure 1.2 How Iceland and comparator economies rank on the ease of doing business



Source: Doing Business database.

THE BUSINESS ENVIRONMENT

Figure 1.3 How Iceland ranks on *Doing Business* topics



Source: Doing Business database.

THE BUSINESS ENVIRONMENT

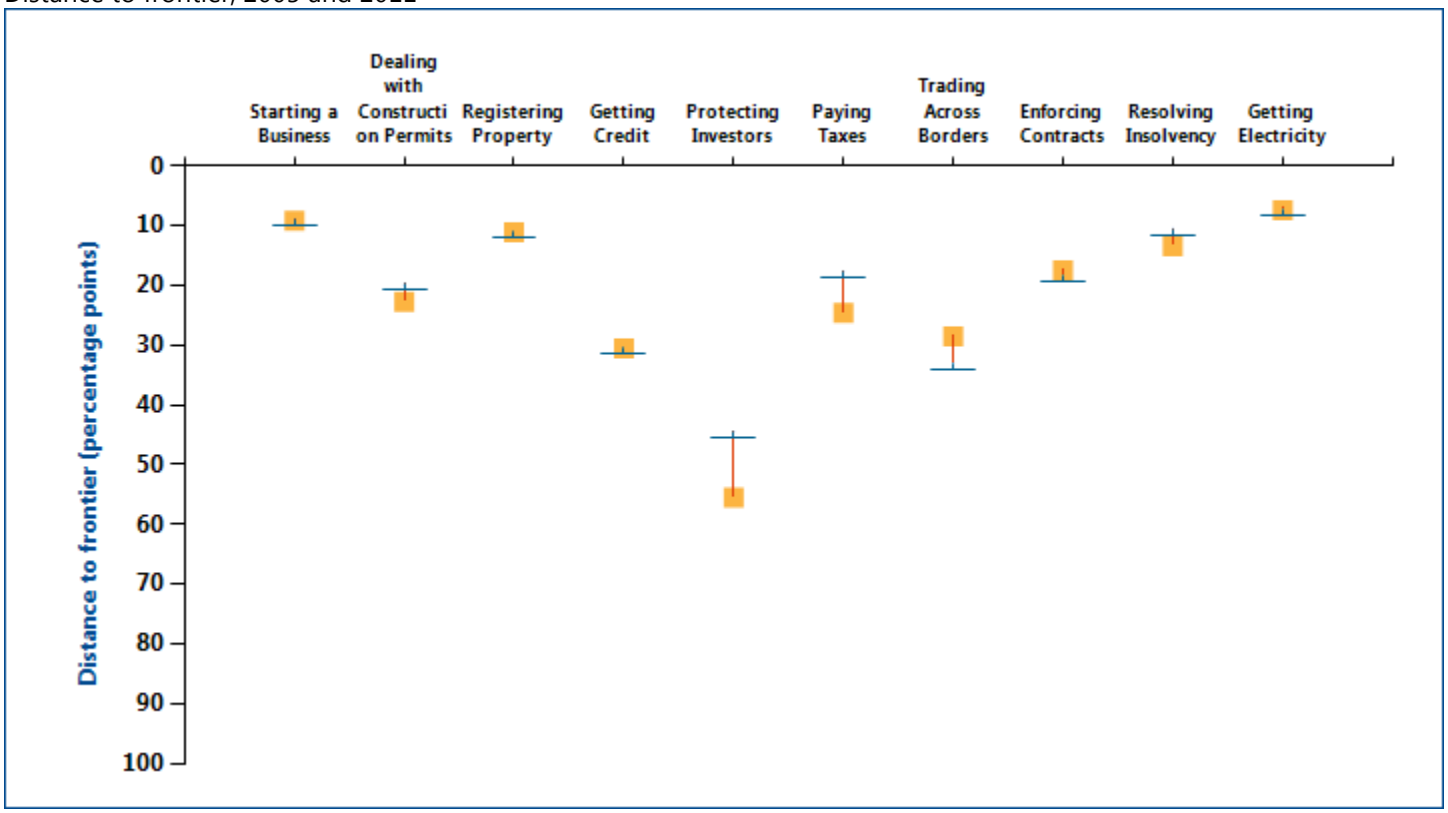
Just as the overall ranking on the ease of doing business tells only part of the story, so do changes in that ranking. Yearly movements in rankings can provide some indication of changes in an economy's regulatory environment for firms, but they are always relative. An economy's ranking might change because of developments in other economies. An economy that implemented business regulation reforms may fail to rise in the rankings (or may even drop) if it is passed by others whose business regulation reforms had a more significant impact as measured by *Doing Business*.

Moreover, year-to-year changes in the overall rankings do not reflect how the business regulatory environment in an economy has changed over time—or how it has changed in different areas. To aid in assessing such changes, *Doing Business 2012* introduces the distance to frontier measure.

This measure shows the distance of each economy to the "frontier," a synthetic measure based on the most efficient practice or highest score observed for each *Doing Business* indicator across all economies and years included in the *Doing Business* sample since 2005. Nine areas of business regulation are covered.

Comparing the measure for an economy at 2 points in time allows users to assess how much the economy's regulatory environment as measured by *Doing Business* has changed over time—how far it has moved toward (or away from) the most efficient practices and strongest regulations in areas covered by *Doing Business* (figure 1.4). The results may show that the pace of change varies widely across the areas measured. They also may show that an economy is relatively close to the frontier in some areas and relatively far from it in others.

Figure 1.4 How far has Iceland come in the areas measured by *Doing Business*?
Distance to frontier, 2005 and 2011



Note: For economies added to the *Doing Business* sample after 2005, the starting point is the year in which they were added: 2006 for Montenegro; 2007 for Brunei Darussalam, Liberia and Luxembourg; 2008 for The Bahamas, Bahrain and Qatar; and 2009 for Cyprus and Kosovo. See the data notes for more details on the distance to frontier measure.
Source: Doing Business database.

THE BUSINESS ENVIRONMENT

The absolute values of the indicators tell another part of the story (table 1.1). The indicators, on their own or in comparison with the indicators of a good practice economy or those of comparator economies in the region, may reveal bottlenecks reflected in large numbers of procedures, long delays or high costs. Or they may reveal unexpected strengths in an area of business regulation—such as a regulatory process that can be completed with a small number of procedures in a few days and at a low cost. Comparison of the economy's indicators today with those in the previous year may show where substantial bottlenecks persist—and where they are diminishing.

Table 1.1 Summary of *Doing Business* indicators for Iceland

Indicator	Iceland DB2012	Iceland DB2011	Denmark DB2012	Finland DB2012	France DB2012	Germany DB2012	Norway DB2012	Sweden DB2012	Best performer globally DB2012
Starting a Business (rank)	37	29	31	39	25	98	41	46	New Zealand (1)
Procedures (number)	5	5	4	3	5	9	5	3	Canada (1)*
Time (days)	5	5	6	14	7	15	7	15	New Zealand (1)
Cost (% of income per capita)	3.3	2.3	0.0	1.0	0.9	4.6	1.8	0.6	Denmark (0.0)*
Paid-in Min. Capital (% of income per capita)	12.6	12.0	25.0	7.3	0.0	0.0	19.4	14.0	82 Economies (0.0)*
Dealing with Construction Permits (rank)	34	34	10	45	30	15	60	23	Hong Kong SAR, China (1)
Procedures (number)	17	17	5	16	10	9	11	7	Denmark (5)
Time (days)	74	74	67	66	184	97	250	116	Singapore (26)*
Cost (% of income per capita)	20.6	19.6	59.1	66.6	13.6	49.7	33.1	81.6	Qatar (1.1)

Indicator	Iceland DB2012	Iceland DB2011	Denmark DB2012	Finland DB2012	France DB2012	Germany DB2012	Norway DB2012	Sweden DB2012	Best performer globally DB2012
Getting Electricity (rank)	1	1	13	25	62	2	12	8	Iceland (1)
Procedures (number)	4	4	4	5	5	3	4	3	Germany (3)*
Time (days)	22	22	38	53	123	17	66	52	Germany (17)
Cost (% of income per capita)	13.6	6.6	120.6	31.7	40.2	49.9	7.1	20.7	Japan (0.0)
Registering Property (rank)	11	12	11	25	149	77	8	19	New Zealand (3)
Procedures (number)	3	3	3	3	8	5	1	1	Portugal (1)*
Time (days)	4	4	16	14	59	40	3	7	Portugal (1)
Cost (% of property value)	2.4	2.4	0.6	4.0	6.1	5.2	2.5	4.3	Slovak Republic (0.0)
Getting Credit (rank)	40	37	24	40	48	24	48	48	United Kingdom (1)*
Strength of legal rights index (0-10)	7	7	9	8	7	7	7	7	New Zealand (10)*
Depth of credit information index (0-6)	5	5	4	4	4	6	4	4	Japan (6)*
Public registry coverage (% of adults)	0.0	0.0	0.0	0.0	43.3	1.3	0.0	0.0	Portugal (86.2)
Private bureau coverage (% of adults)	100.0	100.0	7.3	20.5	0.0	100.0	100.0	100.0	New Zealand (100.0)*
Protecting Investors (rank)	46	74	29	65	79	97	24	29	New Zealand (1)
Extent of disclosure index (0-10)	7	5	7	6	10	5	7	8	France (10)*

Indicator	Iceland DB2012	Iceland DB2011	Denmark DB2012	Finland DB2012	France DB2012	Germany DB2012	Norway DB2012	Sweden DB2012	Best performer globally DB2012
Extent of director liability index (0-10)	5	5	5	4	1	5	6	4	Singapore (9)*
Ease of shareholder suits index (0-10)	6	6	7	7	5	5	7	7	New Zealand (10)*
Strength of investor protection index (0-10)	6.0	5.3	6.3	5.7	5.3	5.0	6.7	6.3	New Zealand (9.7)
Paying Taxes (rank)	35	35	14	28	58	89	27	50	Canada (8)
Payments (number per year)	29	30	10	8	7	12	4	4	Norway (4)
Time (hours per year)	140	140	135	93	132	221	87	122	Luxembourg (59)
Trading Across Borders (rank)	81	82	7	6	24	12	9	8	Singapore (1)
Documents to export (number)	5	5	4	4	2	4	4	3	France (2)
Time to export (days)	19	19	5	8	9	7	7	8	Hong Kong SAR, China (5)*
Cost to export (US$ per container)	1532	1532	744	540	1078	872	830	697	Malaysia (450)
Documents to import (number)	5	5	3	5	2	5	4	3	France (2)
Time to import (days)	14	14	5	8	11	7	7	6	Singapore (4)
Cost to import (US$ per container)	1674	1674	744	620	1248	937	729	735	Malaysia (435)
Enforcing Contracts (rank)	3	2	32	11	6	8	4	54	Luxembourg (1)

Indicator	Iceland DB2012	Iceland DB2011	Denmark DB2012	Finland DB2012	France DB2012	Germany DB2012	Norway DB2012	Sweden DB2012	Best performer globally DB2012
Time (days)	417	417	410	375	331	394	280	508	Singapore (150)
Cost (% of claim)	8.2	8.2	23.3	13.3	17.4	14.4	9.9	31.2	Bhutan (0.1)
Procedures (number)	27	27	35	33	29	30	34	30	Ireland (21)*
Resolving Insolvency (rank)	11	17	9	5	46	36	4	19	Japan (1)
Time (years)	1.0	1.0	1.0	0.9	1.9	1.2	0.9	2.0	Ireland (0.4)
Cost (% of estate)	4	4	4	4	9	8	1	9	Singapore (1)*
Recovery rate (cents on the dollar)	84.5	78.5	87.3	89.1	45.8	53.8	90.6	75.8	Japan (92.7)

Note: The methodology for the paying taxes indicators changed in *Doing Business 2012*; see the data notes for details. For these indicators, the best performer globally is the economy that has implemented the most efficient practices in its tax system and is not necessarily the one with the highest ranking. For more information on "no practice" marks, see the data notes for details.

* Two or more economies share the top ranking on this indicator. A number shown in place of an economy's name indicates the number of economies that share the top ranking on the indicator. For a list of these economies, see the *Doing Business* website (http://www.doingbusiness.org).

Source: Doing Business database.

STARTING A BUSINESS

Formal registration of companies has many immediate benefits for the companies and for business owners and employees. Legal entities can outlive their founders. Resources are pooled as several shareholders join forces to start a company. Formally registered companies have access to services and institutions from courts to banks as well as to new markets. And their employees can benefit from protections provided by the law. An additional benefit comes with limited liability companies. These limit the financial liability of company owners to their investments, so personal assets of the owners are not put at risk. Where governments make registration easy, more entrepreneurs start businesses in the formal sector, creating more good jobs and generating more revenue for the government.

What do the indicators cover?

Doing Business measures the ease of starting a business in an economy by recording all procedures that are officially required or commonly done in practice by an entrepreneur to start up and formally operate an industrial or commercial business—as well as the time and cost required to complete these procedures. It also records the paid-in minimum capital that companies must deposit before registration (or within 3 months). The ranking on the ease of starting a business is the simple average of the percentile rankings on the 4 component indicators: procedures, time, cost and paid-in minimum capital requirement.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the procedures. It assumes that all information is readily available to the entrepreneur and that there has been no prior contact with officials. It also assumes that all government and nongovernment entities involved in the process function without corruption. And it assumes that the business:

- Is a limited liability company, located in the largest business city.
- Conducts general commercial or industrial activities.
- Has a start-up capital of 10 times income per capita.
- Has a turnover of at least 100 times income per capita.
- Does not qualify for any special benefits.
- Does not own real estate.
- Is 100% domestically owned.

WHAT THE STARTING A BUSINESS INDICATORS MEASURE

Procedures to legally start and operate a company (number)

Preregistration (for example, name verification or reservation, notarization)

Registration in the economy's largest business city

Postregistration (for example, social security registration, company seal)

Time required to complete each procedure (calendar days)

Does not include time spent gathering information

Each procedure starts on a separate day

Procedure completed once final document is received

No prior contact with officials

Cost required to complete each procedure (% of income per capita)

Official costs only, no bribes

No professional fees unless services required by law

Paid-in minimum capital (% of income per capita)

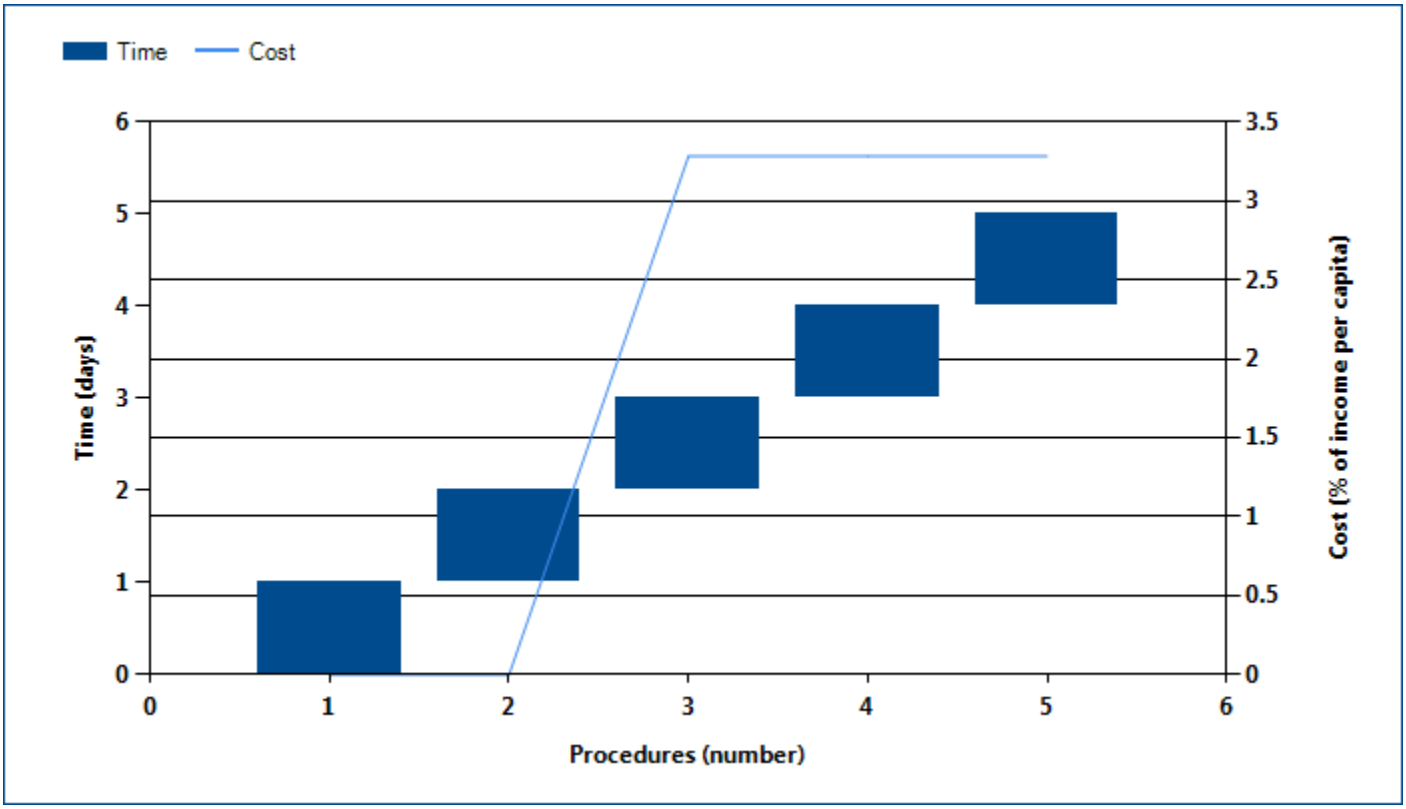
Deposited in a bank or with a notary before registration (or within 3 months)

STARTING A BUSINESS

Where does the economy stand today?

What does it take to start a business in Iceland? According to data collected by *Doing Business*, starting a business there requires 5 procedures, takes 5 days, costs 3.3% of income per capita and requires paid-in minimum capital of 12.6% of income per capita (figure 2.1).

Figure 2.1 What it takes to start a business in Iceland
Paid-in minimum capital (% of income per capita): 12.6

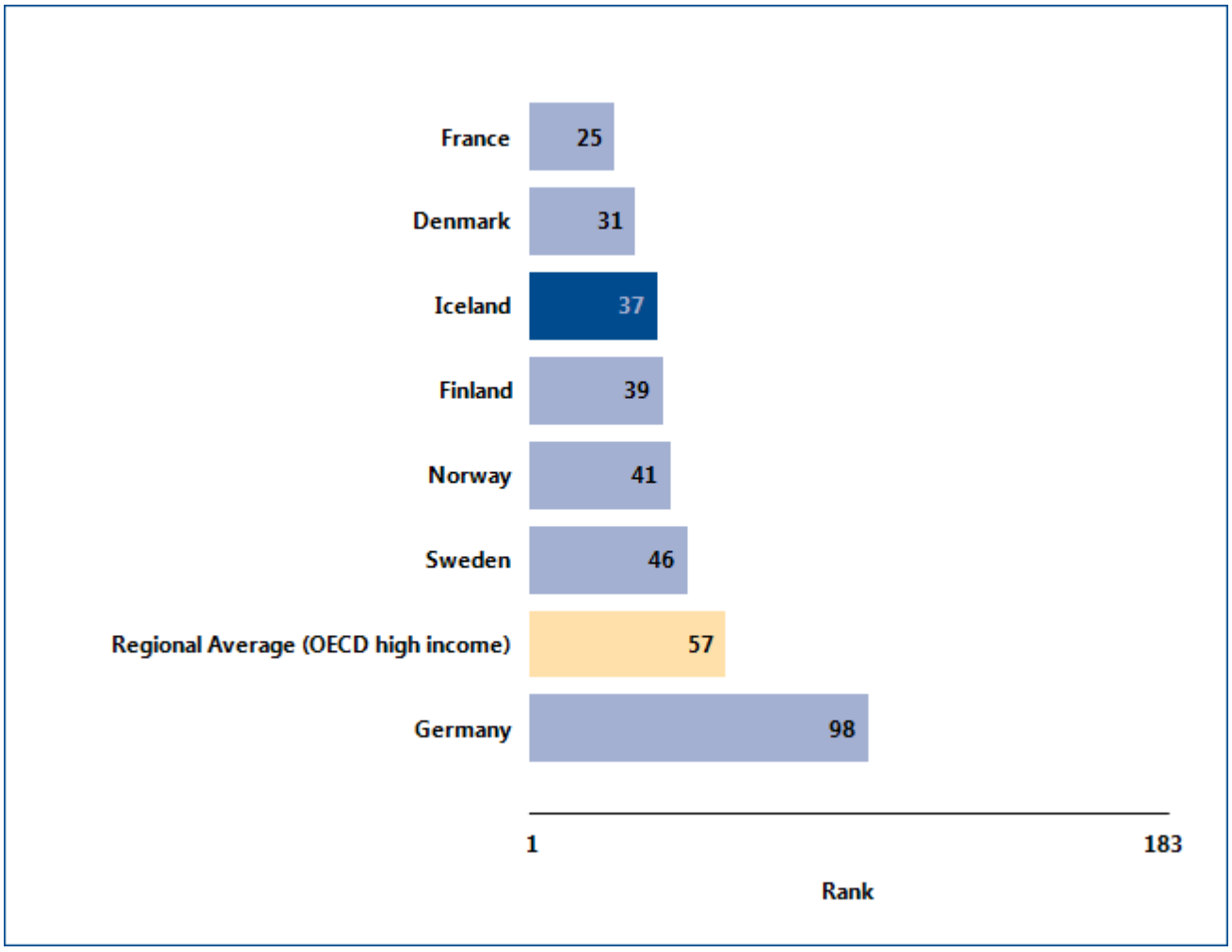


Note: For details on the procedures reflected here, see the summary at the end of this chapter.
Source: Doing Business database.

STARTING A BUSINESS

Globally, Iceland stands at 37 in the ranking of 183 economies on the ease of starting a business (figure 2.2). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how easy it is for an entrepreneur in Iceland to start a business.

Figure 2.2 How Iceland and comparator economies rank on the ease of starting a business



Source: Doing Business database.

STARTING A BUSINESS

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to start a business in Iceland today, data over time show which aspects of the process have changed—and which have not (table 2.1). That can help identify where the potential for improvement is greatest.

Table 2.1 The ease of starting a business in Iceland over time
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	..	29	37
Procedures (number)	5	5	5	5	5	5	5	5	5
Time (days)	5	5	5	5	5	5	5	5	5
Cost (% of income per capita)	3.2	3.1	2.8	3.0	2.7	2.6	3.0	2.3	3.3
Paid-in Min. Capital (% of income per capita)	19.0	18.3	17.1	15.9	14.1	13.6	15.8	12.0	12.6

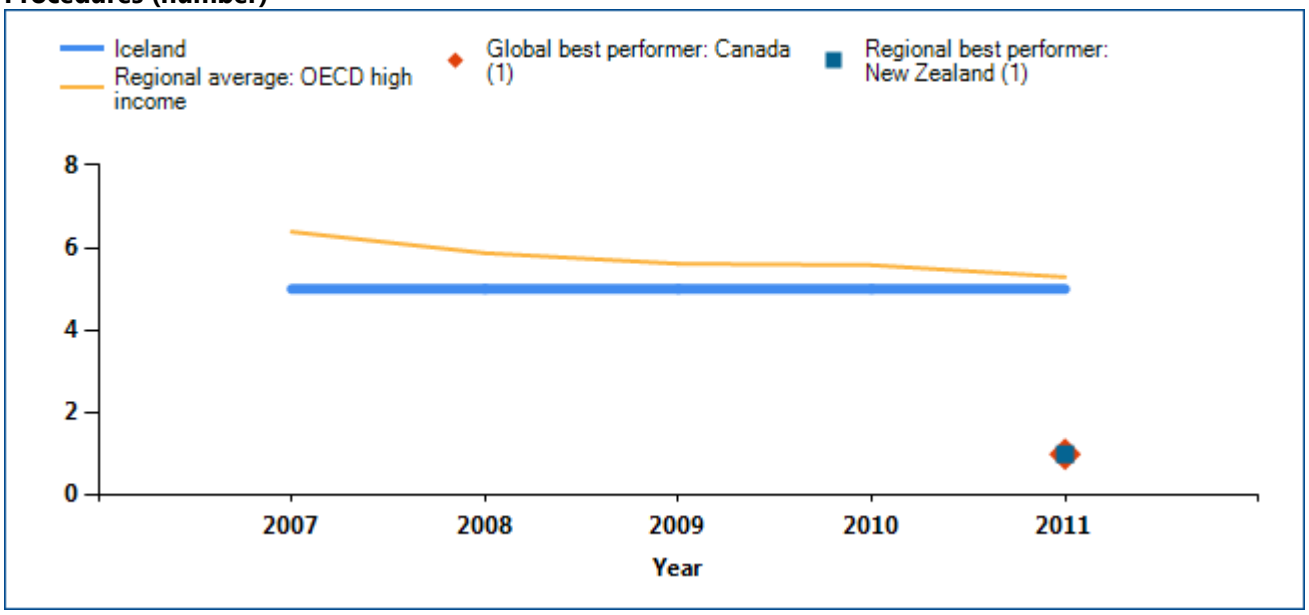
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.
Source: Doing Business database.

STARTING A BUSINESS

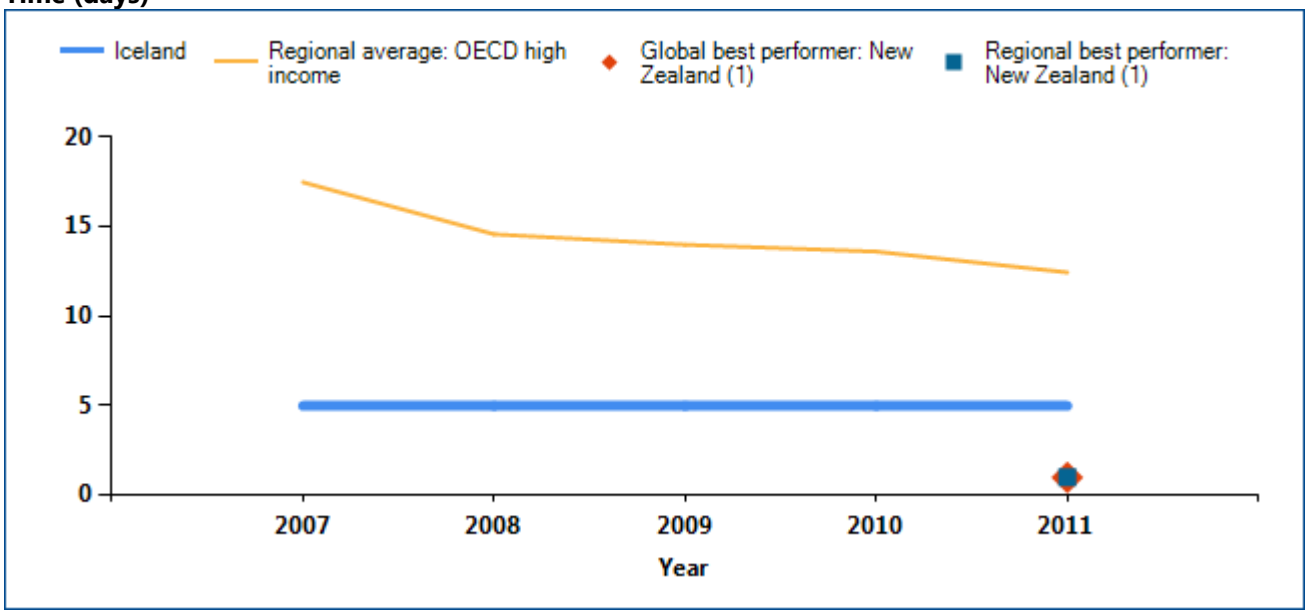
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time, cost or paid-in minimum capital required to start a business (figure 2.3). These economies may provide a model for Iceland on ways to improve the ease of starting a business. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 2.3 Has starting a business become easier over time?

Procedures (number)

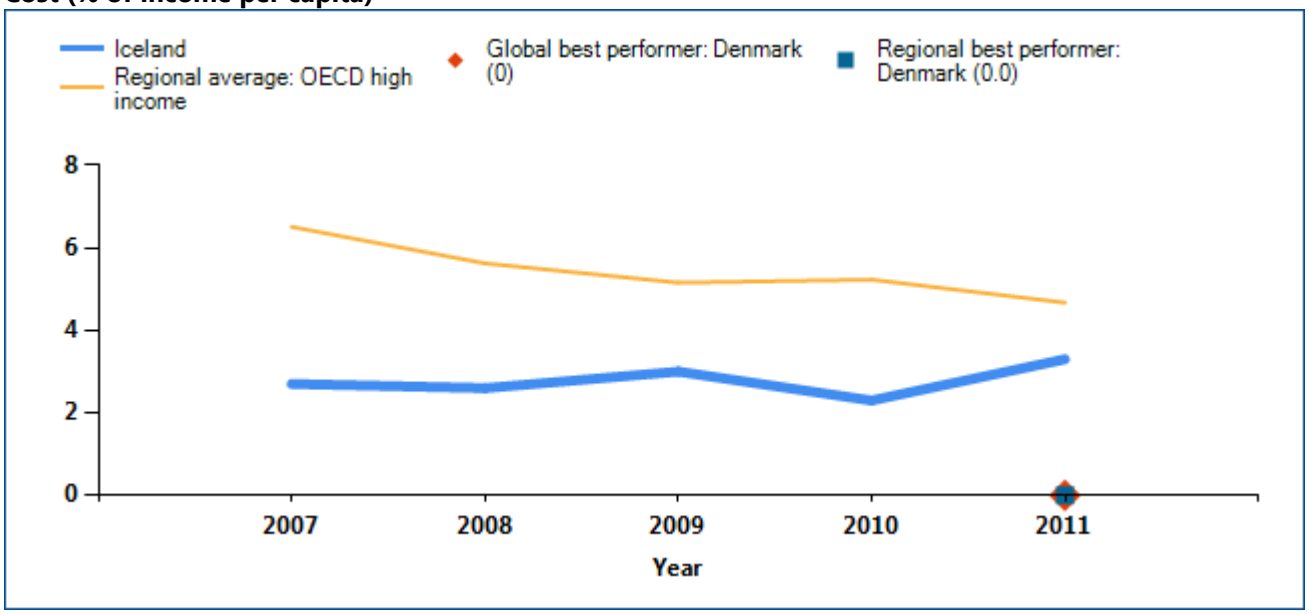


Time (days)

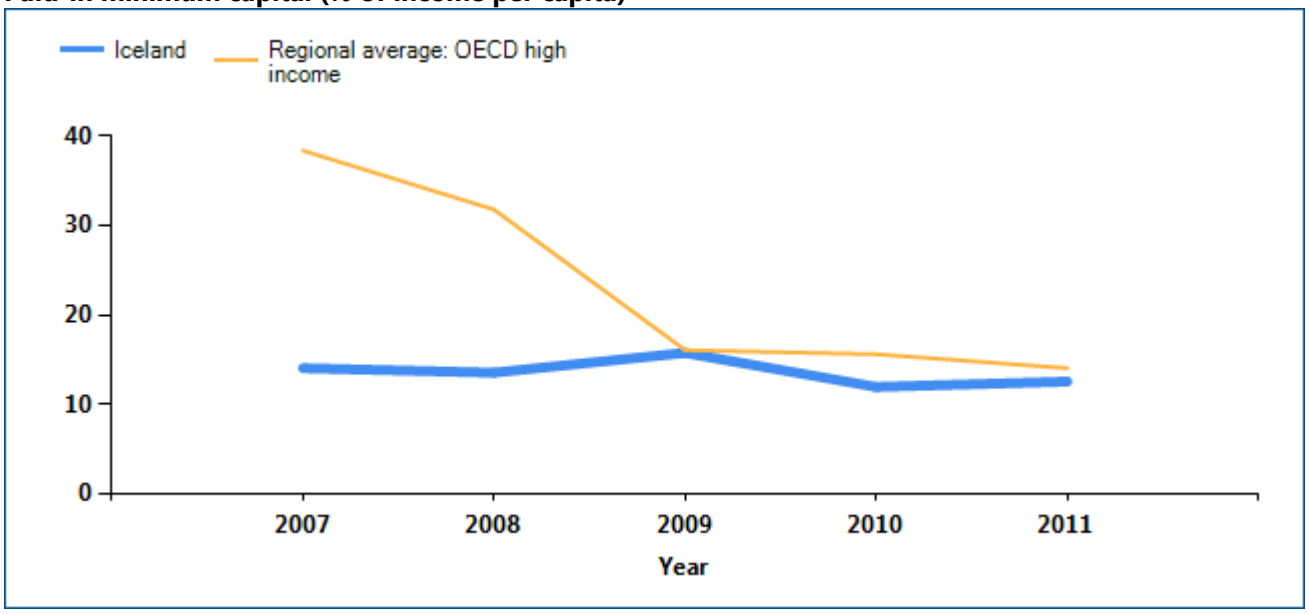


STARTING A BUSINESS

Cost (% of income per capita)



Paid-in minimum capital (% of income per capita)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In the case of paid-in minimum capital, 82 economies globally and 7 economies in OECD high income have no paid-in minimum capital.
Source: Doing Business database.

STARTING A BUSINESS

Economies around the world have taken steps making it easier to start a business—streamlining procedures by setting up a one-stop shop, making procedures simpler or faster by introducing technology and reducing or eliminating minimum capital requirements. Many have undertaken business registration reforms in stages—and they often are part of a larger regulatory reform program. Among the benefits have been greater firm satisfaction and savings and more registered businesses, financial resources and job opportunities.

What business registration reforms has *Doing Business* recorded in Iceland (table 2.2)?

Table 2.2 How has Iceland made starting a business easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

STARTING A BUSINESS

What are the details?

Underlying the indicators shown in this chapter for Iceland is a set of specific procedures—the bureaucratic and legal steps that an entrepreneur must complete to incorporate and register a new firm. These are identified by *Doing Business* through collaboration with relevant local professionals and the study of laws, regulations and publicly available information on business entry in that economy. Following is a detailed summary of those procedures, along with the associated time and cost. These procedures are those that apply to a company matching the standard assumptions (the "standardized company") used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators measure).

STANDARDIZED COMPANY

City: **Reykjavik**

Legal Form: **Private Limited Liability Company**

Start-up capital: **10 times GNI per capita**

Paid-in minimum capital (% of income per capita): **12.6**

Summary of procedures for starting a business in Iceland—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	**Search for company name** The company name database can be accessed at the Internal Revenue Web site (www.rsk.is).	1 day	no charge
2	**Deposit initial capital in bank account**	1 day	no charge
3	**Apply for registration with Register of Limited Companies (Director of Internal Revenue)** To apply for registration with the Register of Limited Companies, the company must provide five documents: 1. Notification of incorporation form. 2. Agreement of incorporation. 3. Record of the meeting of incorporation. 4. Articles of association. 5. Affidavit on payment of share capital, issued by a certified public account. The register is also in charge of advertising the incorporation notice in the Official Gazette, the official journal. The total registration fee is ISK 130,500, which includes the the company identification number (ISK 5,000), and the fee for publishing the notification in the Official Gazette (ISK 1,000 including VAT). Model incorporation documents and forms (in Icelandic) can be found on the Ministry of Industry and Commerce Web site (www.ivr.is). The	1 day	ISK 130500

No.	Procedure	Time to complete	Cost to complete
	notification of incorporation form can be downloaded at no cost from the Internal Revenue Office Web site (www.rsk.is).		
4	**Obtain VAT number from Director of Taxes** Companies that plan to sell goods or services valued at more than ISK 500,000 a year are required to collect and report VAT.	1 day	no charge
5	**Notify tax authorities of employment of workers**	1 day	no charge

* Takes place simultaneously with another procedure.
Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

Regulation of construction is critical to protect the public. But it needs to be efficient, to avoid excessive constraints on a sector that plays an important part in every economy. Where complying with building regulations is excessively costly in time and money, many builders opt out. They may pay bribes to pass inspections or simply build illegally, leading to hazardous construction that puts public safety at risk. Where compliance is simple, straightforward and inexpensive, everyone is better off.

What do the indicators cover?

Doing Business records the procedures, time and cost for a business to obtain all the necessary approvals to build a simple commercial warehouse in the economy's largest business city, connect it to basic utilities and register the property so that it can be used as collateral or transferred to another entity.

The ranking on the ease of dealing with construction permits is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the warehouse, including the utility connections.

The business:

- Is a limited liability company operating in the construction business and located in the largest business city.
- Is domestically owned and operated.
- Has 60 builders and other employees.

The warehouse:

- Is a new construction (there was no previous construction on the land).
- Has complete architectural and technical plans prepared by a licensed architect.
- Will be connected to water, sewerage (sewage system, septic tank or their equivalent) and a fixed telephone line. The connection to each utility network will be 10 meters (32 feet, 10 inches) long.
- Will be used for general storage, such as of books or stationery (not for goods requiring special conditions).
- Will take 30 weeks to construct (excluding all delays due to administrative and regulatory requirements).

WHAT THE DEALING WITH CONSTRUCTION PERMITS INDICATORS MEASURE

Procedures to legally build a warehouse (number)

Submitting all relevant documents and obtaining all necessary clearances, licenses, permits and certificates

Completing all required notifications and receiving all necessary inspections

Obtaining utility connections for water, sewerage and a fixed telephone line

Registering the warehouse after its completion (if required for use as collateral or for transfer of the warehouse)

Time required to complete each procedure (calendar days)

Does not include time spent gathering information

Each procedure starts on a separate day

Procedure completed once final document is received

No prior contact with officials

Cost required to complete each procedure (% of income per capita)

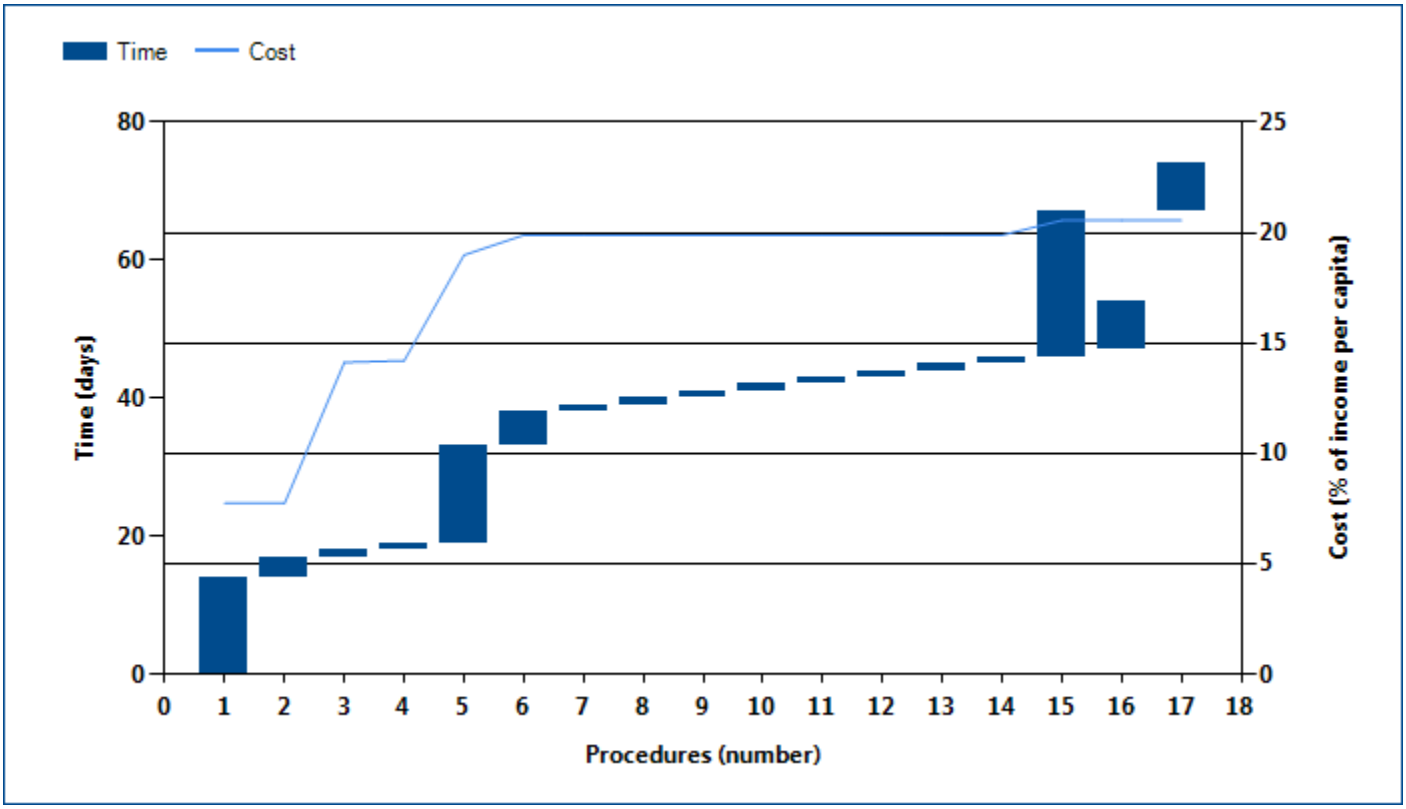
Official costs only, no bribes

DEALING WITH CONSTRUCTION PERMITS

Where does the economy stand today?

What does it take to comply with the formalities to build a warehouse in Iceland? According to data collected by *Doing Business*, dealing with construction permits there requires 17 procedures, takes 74 days and costs 20.6% of income per capita (figure 3.1).

Figure 3.1 What it takes to comply with formalities to build a warehouse in Iceland

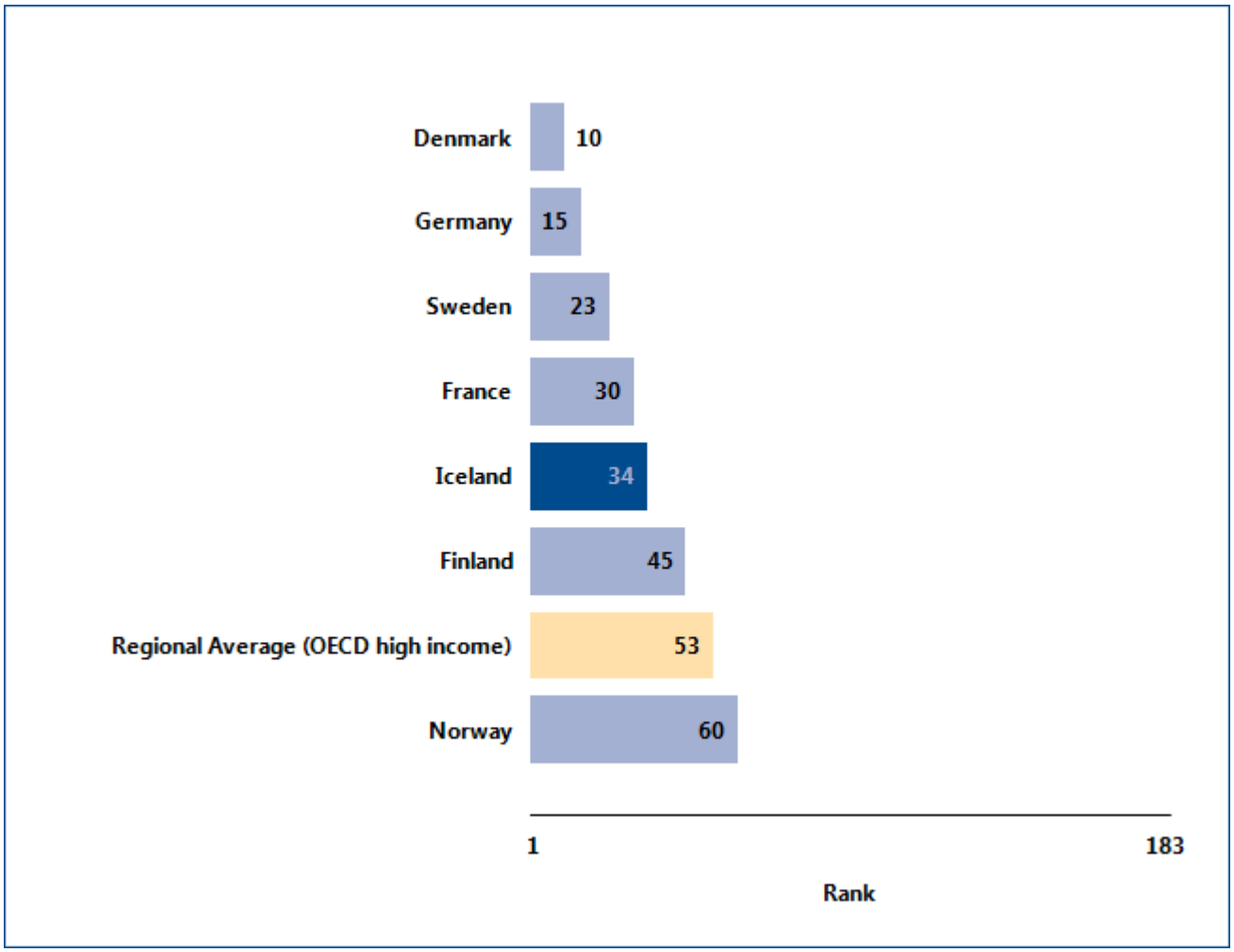


Note: For details on the procedures reflected here, see the summary at the end of this chapter.
Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

Globally, Iceland stands at 34 in the ranking of 183 economies on the ease of dealing with construction permits (figure 3.2). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how easy it is for an entrepreneur in Iceland to legally build a warehouse.

Figure 3.2 How Iceland and comparator economies rank on the ease of dealing with construction permits



Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to deal with construction permits in Iceland today, data over time show which aspects of the process have changed—and which have not (table 3.1). That can help identify where the potential for improvement is greatest.

Table 3.1 The ease of dealing with construction permits in Iceland over time
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	34	34
Procedures (number)	17	17	17	17	17	17	17
Time (days)	112	97	97	74	74	74	74
Cost (% of income per capita)	22.5	21.0	18.6	19.2	22.2	19.6	20.6

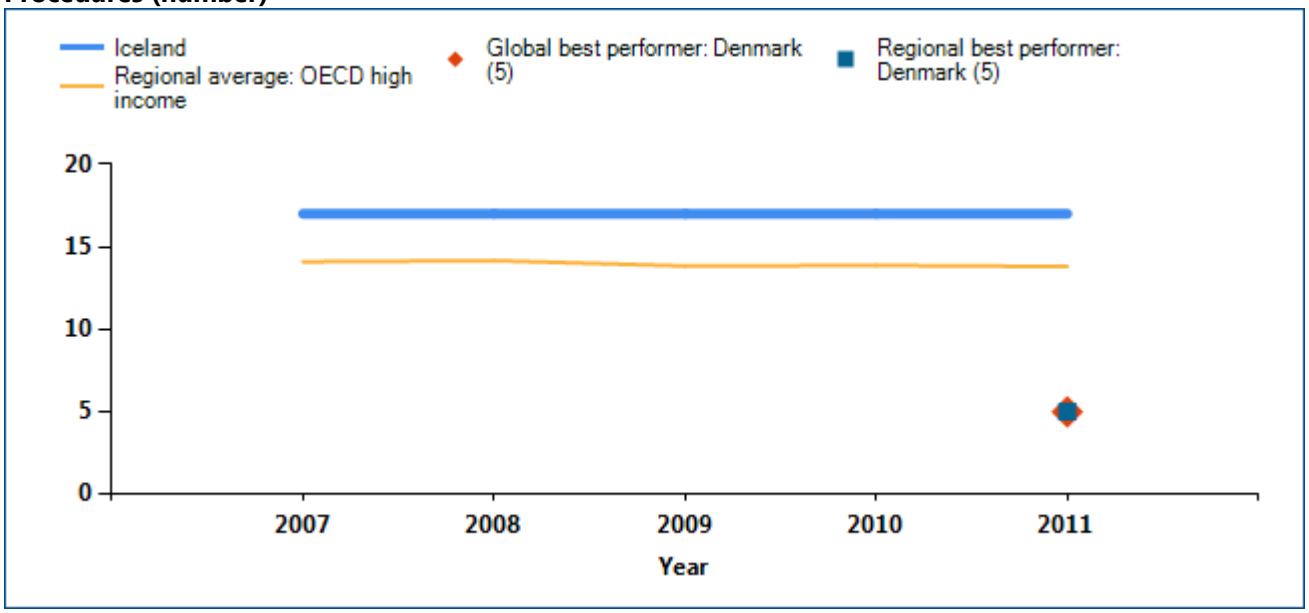
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For more information on "no practice" marks, see the data notes for details.
Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

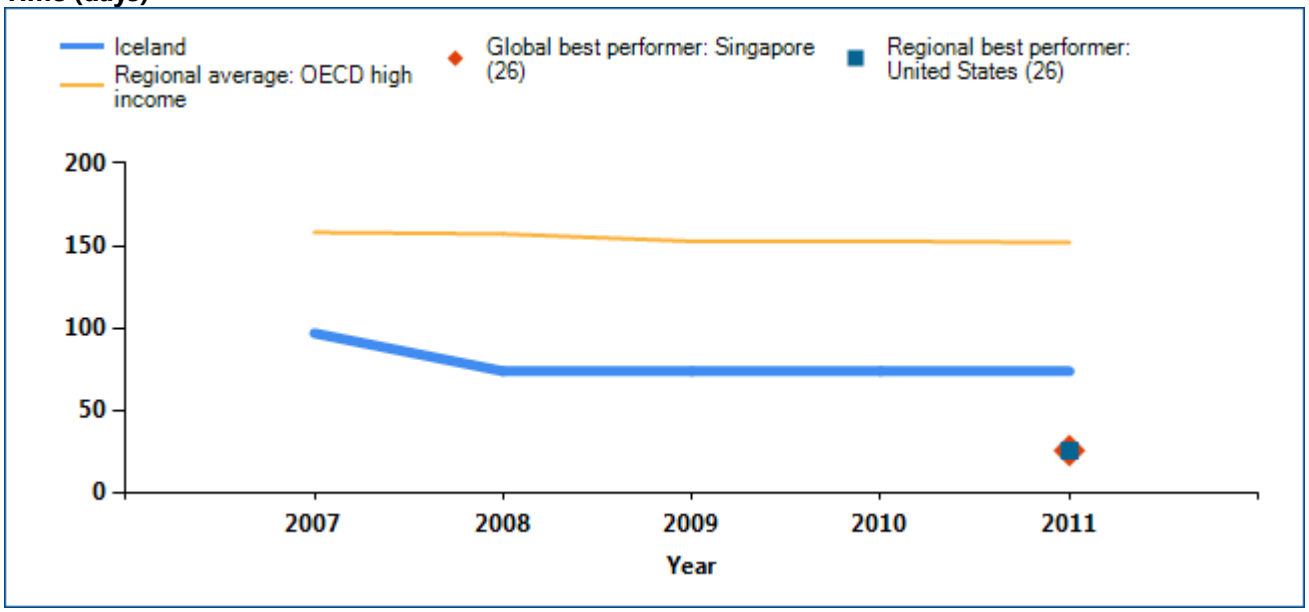
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time or cost required to deal with construction permits (figure 3.3). These economies may provide a model for Iceland on ways to improve the ease of dealing with construction permits. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 3.3 Has dealing with construction permits become easier over time?

Procedures (number)

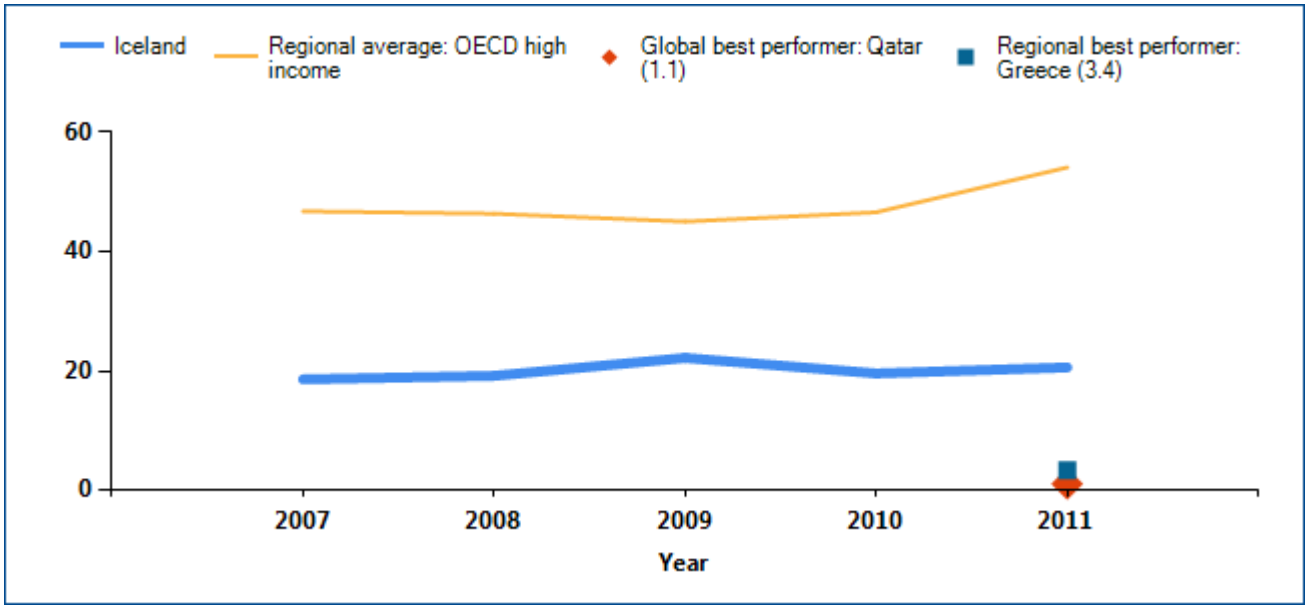


Time (days)



DEALING WITH CONSTRUCTION PERMITS

Cost (% of income per capita)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a "no practice" mark; see the data notes for details.
Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

Smart regulation ensures that standards are met while making compliance easy and accessible to all. Coherent and transparent rules, efficient processes and adequate allocation of resources are especially important in sectors where safety is at stake. Construction is one of them. In an effort to ensure building safety while keeping compliance costs reasonable, governments around the world have worked on consolidating permitting requirements. What construction permitting reforms has *Doing Business* recorded in Iceland (table 3.2)?

Table 3.2 How has Iceland made dealing with construction permits easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	Iceland made dealing with construction permits more costly by increasing the fees to obtain the design approval and receive inspections.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2006), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

DEALING WITH CONSTRUCTION PERMITS

What are the details?

The indicators reported here for Iceland are based on a set of specific procedures—the steps that a company must complete to legally build a warehouse—identified by *Doing Business* through information collected from experts in construction licensing, including architects, construction lawyers, construction firms, utility service providers and public officials who deal with building regulations. These procedures are those that apply to a company and structure matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover).

BUILDING A WAREHOUSE	
City :	**Reykjavik**
Estimated Warehouse Value :	**ISK 99,000,000**

The procedures, along with the associated time and cost, are summarized below.

Summary of procedures for dealing with construction permits in Iceland —and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	**Obtain design approval from Reykjavik construction agency** The architectural drawings must be drawn to a scale of 1:100. A meeting of architects convenese every Tuesday to discuss the applications submitted subject to architectural drawing approval. The architects at Reykjavik Construction agency compare their notes, and if the application is complete and follows the guidelines and regulations of the Building Code the approval will be issued in 1-2 weeks.The cost for this procedure is composed of following: ISK 7,700 (used to be ISK 6,300 in 2007) paid for the application, and ISK 77m3 (ISK 77x3,900m3=ISK 300,300) for the approval of architectural drawings and designs. The approval is valid for 1 year within which BuildCo has to begin construction.	14 days	ISK 308,000
2	**Obtain approval of site manager from Reykjavik construction agency** The site manager must be a professional engineer or a master builder. They are generally licensed by the Ministry of Housing. The application for this approval should include an application form, curriculum vitae, education certificate, and the liability insurance payment.	3 days	no charge
3	**Pay water connection fees to the Reykjavik power company** Water and electricity connection is administered by Reykjavik Power Company based on a principle of a single window. Its operation and quality management are pursuant to ISO 9000.	1 day	ISK 253,500
4	**Pay phone connection fees to the Iceland Telecommunication company** The fee has been increased in 2008 to ISK 2,990.	1 day	ISK 2,990

No.	Procedure	Time to complete	Cost to complete
5	**Obtain approval of structural, electrical, and mechanical design drawings from Reykjavik construction board** The company can present these design drawings all at once or separately. The mechanical design drawings include the potable water system, heating and ventilation, and sewerage system.The lowest fee for the approval of electrical drawings of this building is 17.100 Ikr. At this stage when BuildCo receives the approval of the technical aspect of drawings it needs to pay for the inspections to be conducted during construction. The prepayment of inspections during construction is mandatory and the fee is 7200 Ikr/hr. The estimated time for inspection depending on the size and complicity of the project, estimated on the basis of the experience of last 3 years. This project would be about 24 hours for all inspections. The payment is made at this stage to ensure the inspections come during construction. The approval is valid for 1 year within which BuildCo has to build the construction.	14 days	ISK 189,800
6	**Obtain initial setout of building from Reykjavik planning authority** The cost is 36.000 Ikr. Including a tax for the final stake out of the building. For simple buildings, half price is often collected for the first stake out prior to excavation.	5 days	ISK 36,000
7	**Receive foundation work inspection from Reykjavik construction agency** At each stage of construction before the work is covered, an inspection must be conducted by the municipality. These inspections must be requested with –a day's notice, and no stoppage in construction may take place. The request can be made via e-mail. The actual inspection takes 2 hours on average.	1 day	no charge
8	**Receive concrete work inspection from Reykjavik construction agency**	1 day	no charge
9	**Receive steel work for slabs inspection from Reykjavik construction agency**	1 day	no charge
10	**Receive frame inspection from Reykjavik construction agency**	1 day	no charge
11	**Receive drainage inspection from Reykjavik construction agency**	1 day	no charge
12	**Receive structure inspection from Reykjavik construction agency**	1 day	no charge
13	**Receive timber scaffolding inspection from Reykjavik construction agency** The procedure is carried out by Occupational Safety And Health (OSHA).	1 day	no charge

No.	Procedure	Time to complete	Cost to complete
14	**Receive plumbing inspection from Reykjavik construction agency**	1 day	no charge
15	**Obtain occupancy permit and request inspection** The Reykjavik construction authority contacts all the other agencies that should inspect the building. The number of inspections depends on the size and purpose of the building. For a small warehouse, only the fire, health, and labor inspections are necessary. The municipality coordinates these inspections.	21 days	ISK 26,600
16	*** Receive final inspection from Reykjavik construction agency** The final inspection includes inspections of employee facilities by Icelandic OSHA, inspection of hygienic conditions by the Reykjavik environmental and hygiene agency, and the fire system inspection.	7 days	no charge
17	**Obtain water meter and final water connection**	7 days	no charge

* Takes place simultaneously with another procedure.
Source: Doing Business database.

GETTING ELECTRICITY

Access to reliable and affordable electricity is vital for businesses. To counter weak electricity supply, many firms in developing economies have to rely on self-supply, often at a prohibitively high cost. Whether electricity is reliably available or not, the first step for a customer is always to gain access by obtaining a connection.

What do the indicators cover?

Doing Business records all procedures required for a local business to obtain a permanent electricity connection and supply for a standardized warehouse, as well as the time and cost to complete them. These procedures include applications and contracts with electricity utilities, clearances from other agencies and the external and final connection works. The ranking on the ease of getting electricity is the simple average of the percentile rankings on its component indicators: procedures, time and cost. To make the data comparable across economies, several assumptions are used.

The warehouse:

- Is located in the economy's largest business city, in an area where other warehouses are located.
- Is not in a special economic zone where the connection would be eligible for subsidization or faster service.
- Has road access. The connection works involve the crossing of a road or roads but are carried out on public land.
- Is a new construction being connected to electricity for the first time.
- Has 2 stories, both above ground, with a total surface of about 1,300.6 square meters (14,000 square feet), and is built on a plot of 929 square meters (10,000 square feet).

The electricity connection:

- Is a 3-phase, 4-wire Y, 140-kilovolt-ampere (kVA) (subscribed capacity) connection.
- Is 150 meters long.
- Is to either the low-voltage or the medium-voltage distribution network and either overhead or underground, whichever is more common in the economy and in the area where the warehouse is located. The length of any connection in the customer's private domain is negligible.
- Involves installing one electricity meter. The monthly electricity consumption will be 0.07 gigawatt-hour (GWh). The internal electrical wiring has been completed.

WHAT THE GETTING ELECTRICITY INDICATORS MEASURE

Procedures to obtain an electricity connection (number)

Submitting all relevant documents and obtaining all necessary clearances and permits

Completing all required notifications and receiving all necessary inspections

Obtaining external installation works and possibly purchasing material for these works

Concluding any necessary supply contract and obtaining final supply

Time required to complete each procedure (calendar days)

Is at least 1 calendar day

Each procedure starts on a separate day

Does not include time spent gathering information

Reflects the time spent in practice, with little follow-up and no prior contact with officials

Cost required to complete each procedure (% of income per capita)

Official costs only, no bribes

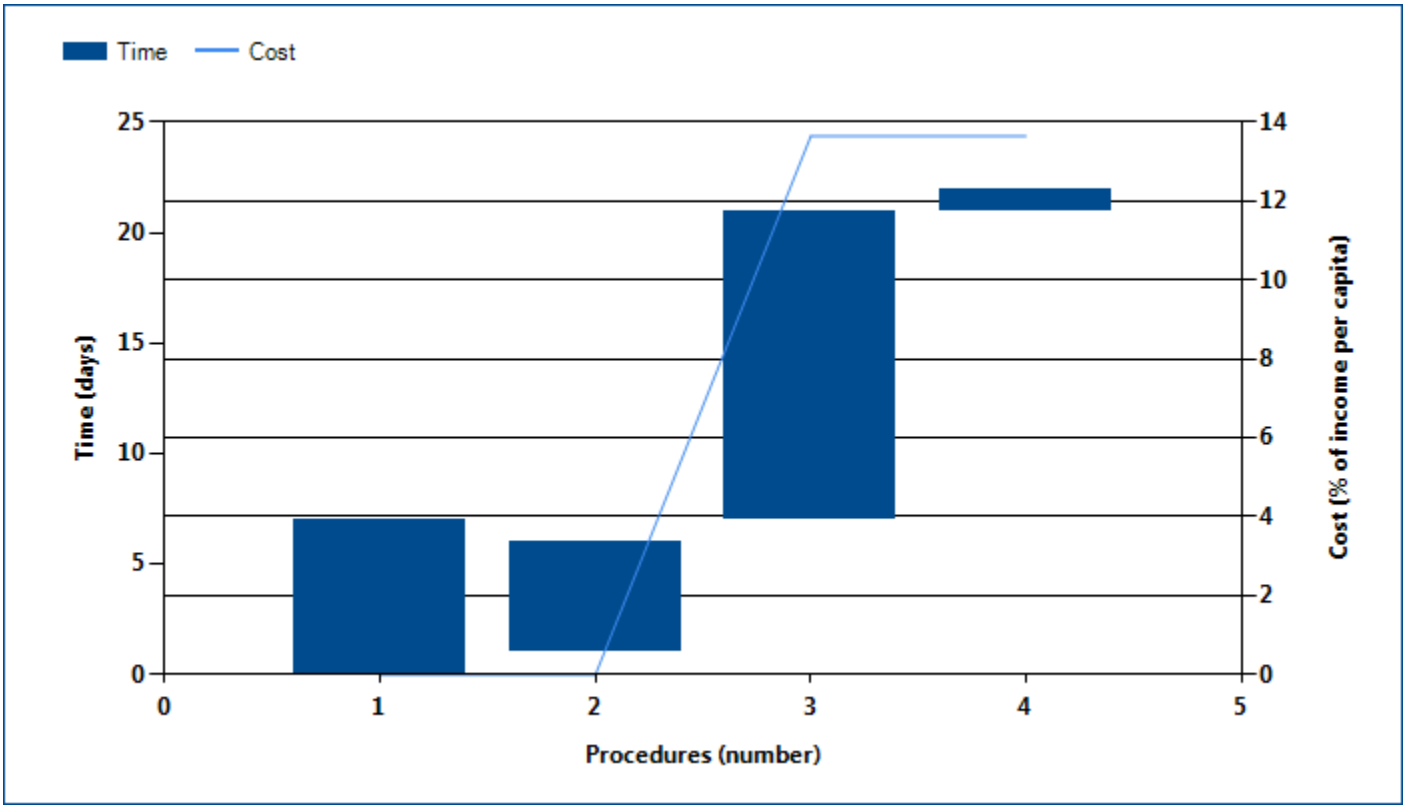
Excludes value added tax

GETTING ELECTRICITY

Where does the economy stand today?

What does it take to obtain a new electricity connection in Iceland? According to data collected by *Doing Business,* getting electricity there requires 4 procedures, takes 22 days and costs 13.6% of income per capita (figure 4.1).

Figure 4.1 What it takes to obtain an electricity connection in Iceland

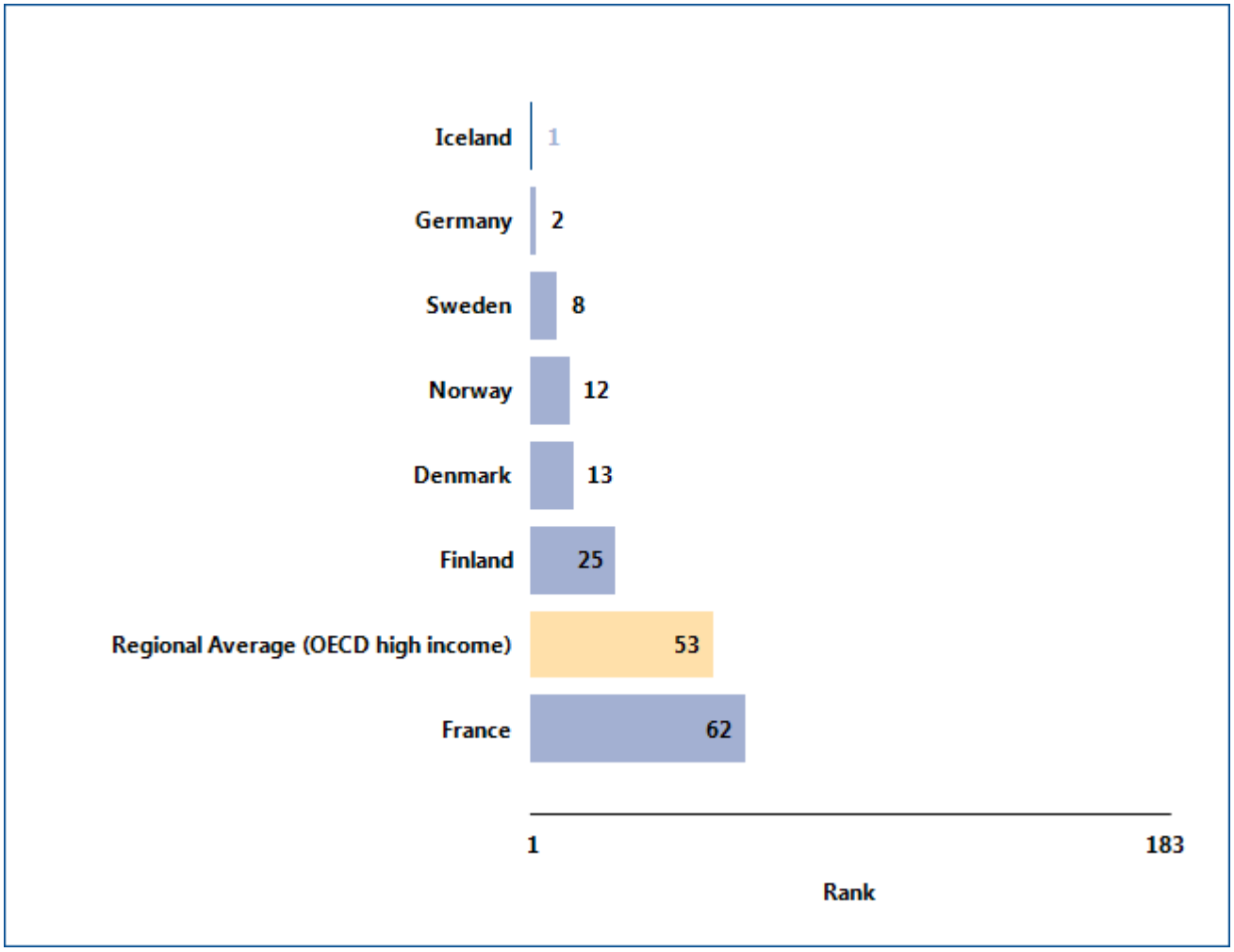


Note: For details on the procedures reflected here, see the summary at the end of this chapter.
Source: Doing Business database.

GETTING ELECTRICITY

Globally, Iceland stands at 1 in the ranking of 183 economies on the ease of getting electricity (figure 4.2). The rankings for comparator economies and the regional average ranking provide another perspective in assessing how easy it is for an entrepreneur in Iceland to connect a warehouse to electricity.

Figure 4.2 How Iceland and comparator economies rank on the ease of getting electricity



Source: Doing Business database.

GETTING ELECTRICITY

Even more helpful than rankings for other economies may be the indicators underlying those rankings (table 4.1). If obtaining a new electricity connection requires fewer procedures, less time or less cost in other economies, the practices of their utilities may provide a model for Iceland on ways to improve the ease of getting electricity. Regional and global averages on these indicators may provide useful benchmarks.

Table 4.1 The ease of getting electricity in Iceland and comparator economies

Indicator	Iceland	Denmark	Finland	France	Germany	Norway	Sweden	OECD high income average	Global average
Rank	1	13	25	62	2	12	8	53	..
Procedures (number)	4	4	5	5	3	4	3	5	5
Time (days)	22	38	53	123	17	66	52	103	111
Cost (% of income per capita)	13.6	120.6	31.7	40.2	49.9	7.1	20.7	92.8	1,942.3

Source: Doing Business database.

GETTING ELECTRICITY

What are the details?

The indicators reported here for Iceland are based on a set of specific procedures—the steps that an entrepreneur must complete to get a warehouse connected to electricity by the local distribution utility—identified by *Doing Business*. Data are collected from the distribution utility, then completed and verified by electricity regulatory agencies and independent professionals such as electrical engineers, electrical contractors and construction companies. The electricity distribution utility surveyed is the one serving the area (or areas) in which warehouses are located. If there is a choice of distribution utilities, the one serving the largest number of customers is selected.

OBTAINING AN ELECTRICITY CONNECTION

City:	**Reykjavik**
Name of Utility:	**Orkuveita Reykjavíkur**

The procedures are those that apply to a warehouse and electricity connection matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover). The procedures, along with the associated time and cost, are summarized below.

Summary of procedures for getting electricity in Iceland—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	**Submit application at Orkuveita Reykjavik and await inspection and receive estimate** An application can be submitted online. The following documents are needed with the application: Siteplan of the warehouse in scale 1:500 - to see how it is located to the existing electricity system, location of electrical fuse/switch board - to see where the cable is coming into the warehouse and single line diagram of the electrical fuse/switch board. There is no notarization needed of the documents. There is no internal inspection. However, the electrician who is in charge for the internal wiring must be qualified (having the right examination) and be approved by the Consumer Agency (a governmental agency responsible for the safety of electrical housing installation) and registered on a list. The utility has this list and the list is renewed monthly. If the electrician applying for the 200A connection is not on the list, the utility refuses the application for connection. When a new customer applies for a new connection to OR's distribution system, he/she can apply for a supply contract with the sales department (OR) or the customer can inform the sales department that he/she wants to make a supply contract with another electricity company/supplier.	7 calendar days	no charge
2	*** Orkuveita Reykjavik inspects site of the warehouse** An external inspection is conducted to confirm that the given information in the submitted documents and drawings is accurate. The external inspection is not necessary to prepare an estimate. There is no extra fee for the inspection, the cost is included in the application fee. It is the main rule that someone from the customer's party is present during the inspection, in case that OR is having remarks on the site and	5 calendar days	no charge

No.	Procedure	Time to complete	Cost to complete
	the customer needs to fix them before the external connection works start.		
3	**The customer pays the connection fee and awaits the completion of the external connection works** When the customer has given all necessary documents/drawings to the utility and the site inspection confirms that it fulfills the requirement of the utility, then the utility sends the invoice to the customer. The customer can pay the connection fee only via a bank. The customer gets an invoice/giro from the bank. This is always before the external work is done. If the site inspection is according to given documents, then there should be no waiting time until external works can start. The external connection works involve the following: the utility makes a ditch/trench from the nearest cable distribution cabinet to the warehouse's fuse board, a cable is laid in the trench and cable terminations are made to the cable end which is connected to the distribution cabinet (without fuse). All material for the external connection is provided by the utility.	14 calendar days	ISK 542,286.0
4	**Frumherji installs the meter, electrician notifies Consumer Agency** The meter is installed when the customer requires it. It is installed by another company which is responsible for this service since this service was outsourced a few years ago. OR has outsourced the meter-department to Frumherji. Frumherji owns the meters and rents them to OR. There is no charge for the installation of the meter, this is included in the connection fee. The customer has no direct interaction with Frumherji.When all connections are finished (electrical fuse board + distribution cabinet) and the meter is installed, then the current can start flowing. When the utility has done the connection of the warehouse to the distribution system, the electrician of the contractor who built the warehouse must fill out a form and send it to the Consumer Agency which is responsible for the safety of electrical housing installation. The utility also informs this agency that this house is now connected to the distribution system.The electricity can start flowing before the electrician sends the form to the Consumer Agency.	1 calendar day	no charge

* Takes place simultaneously with another procedure.

Source: Doing Business database.

REGISTERING PROPERTY

Ensuring formal property rights is fundamental. Effective administration of land is part of that. If formal property transfer is too costly or complicated, formal titles might go informal again. And where property is informal or poorly administered, it has little chance of being accepted as collateral for loans—limiting access to finance.

What do the indicators cover?

Doing Business records the full sequence of procedures necessary for a business to purchase property from another business and transfer the property title to the buyer's name. The transaction is considered complete when it is opposable to third parties and when the buyer can use the property, use it as collateral for a bank loan or resell it. The ranking on the ease of registering property is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

To make the data comparable across economies, several assumptions about the parties to the transaction, the property and the procedures are used.

The parties (buyer and seller):

- Are limited liability companies, 100% domestically and privately owned.
- Are located in the periurban area of the economy's largest business city.
- Have 50 employees each, all of whom are nationals.
- Perform general commercial activities.

The property (fully owned by the seller):

- Has a value of 50 times income per capita. The sale price equals the value.
- Is registered in the land registry or cadastre, or both, and is free of title disputes.
- Is located in a periurban commercial zone, and no rezoning is required.
- Has no mortgages attached and has been under the same ownership for the past 10 years.
- Consists of 557.4 square meters (6,000 square feet) of land and a 10-year-old, 2-story warehouse of 929 square meters (10,000 square feet). The warehouse is in good condition and complies with all safety standards, building codes and legal requirements. The property will be transferred in its entirety.

WHAT THE REGISTERING PROPERTY INDICATORS MEASURE

Procedures to legally transfer title on immovable property (number)

Preregistration (for example, checking for liens, notarizing sales agreement, paying property transfer taxes)

Registration in the economy's largest business city

Postregistration (for example, filing title with the municipality)

Time required to complete each procedure (calendar days)

Does not include time spent gathering information

Each procedure starts on a separate day

Procedure completed once final document is received

No prior contact with officials

Cost required to complete each procedure (% of property value)

Official costs only, no bribes

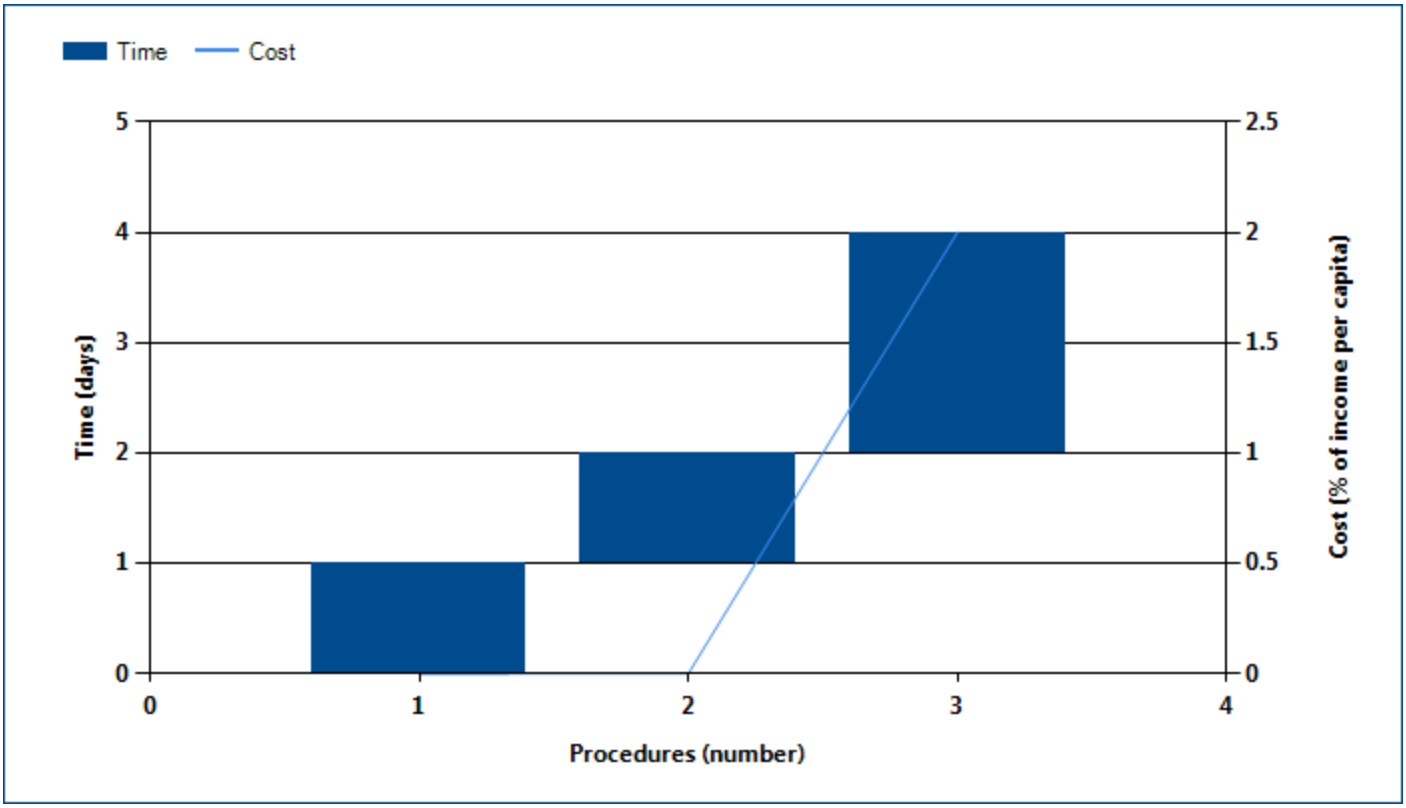
No value added or capital gains taxes included

REGISTERING PROPERTY

Where does the economy stand today?

What does it take to complete a property transfer in Iceland? According to data collected by *Doing Business*, registering property there requires 3 procedures, takes 4 days and costs 2.4% of the property value (figure 5.1).

Figure 5.1 What it takes to register property in Iceland

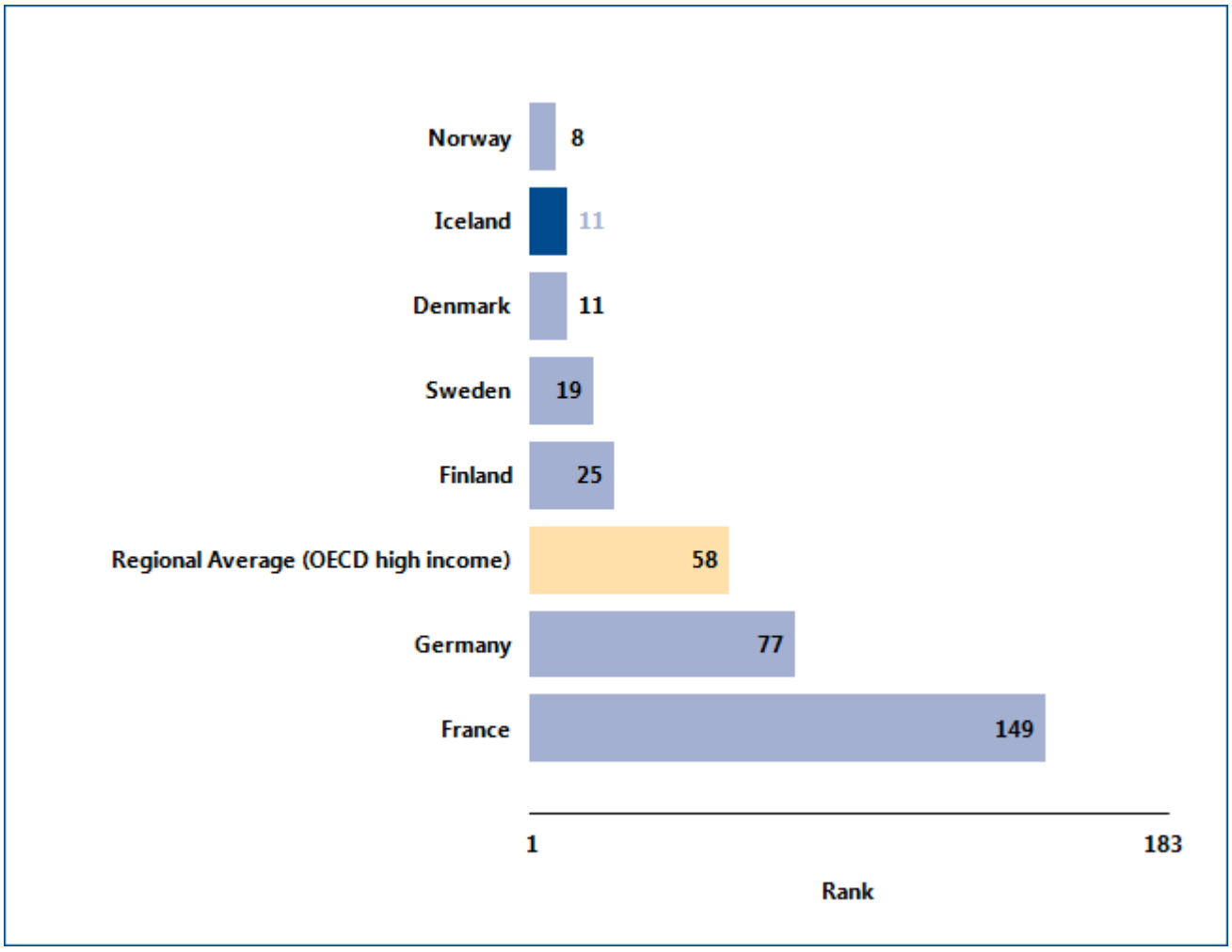


Note: For details on the procedures reflected here, see the summary at the end of this chapter.
Source: Doing Business database.

REGISTERING PROPERTY

Globally, Iceland stands at 11 in the ranking of 183 economies on the ease of registering property (figure 5.2). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how easy it is for an entrepreneur in Iceland to transfer property.

Figure 5.2 How Iceland and comparator economies rank on the ease of registering property



Source: Doing Business database.

REGISTERING PROPERTY

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to register property in Iceland today, data over time show which aspects of the process have changed—and which have not (table 5.1). That can help identify where the potential for improvement is greatest.

Table 5.1 The ease of registering property in Iceland over time
By *Doing Business* report year

Indicator	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	12	11
Procedures (number)	3	3	3	3	3	3	3	3
Time (days)	4	4	4	4	4	4	4	4
Cost (% of property value)	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

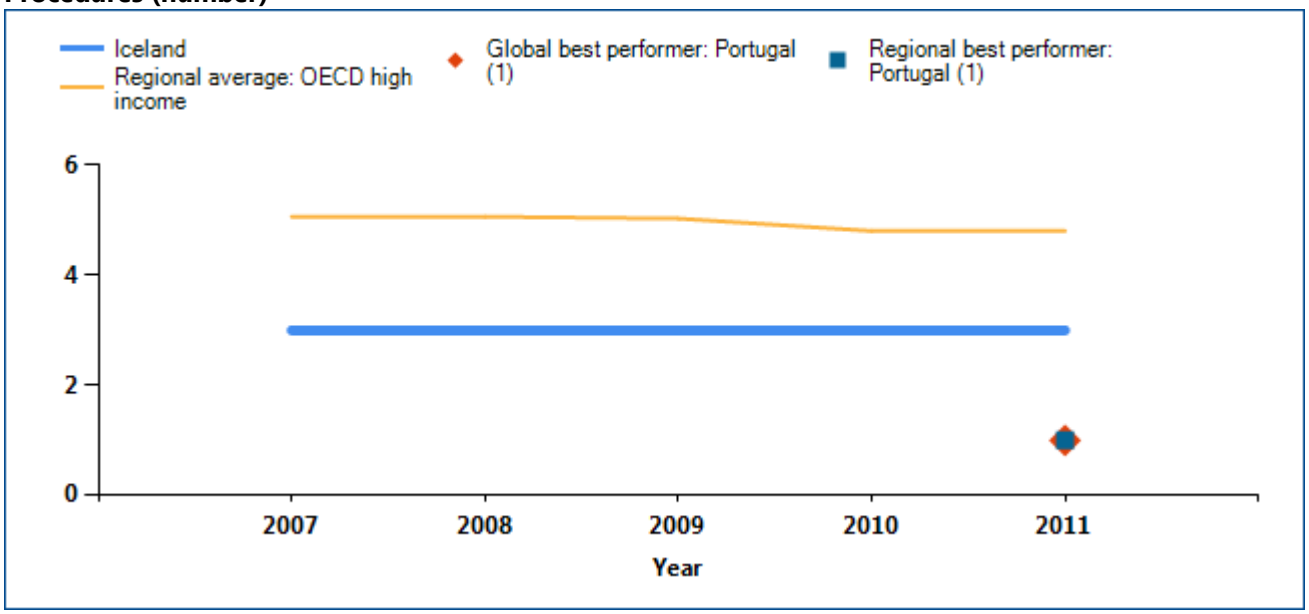
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For more information on "no practice" marks, see the data notes for details.
Source: Doing Business database.

REGISTERING PROPERTY

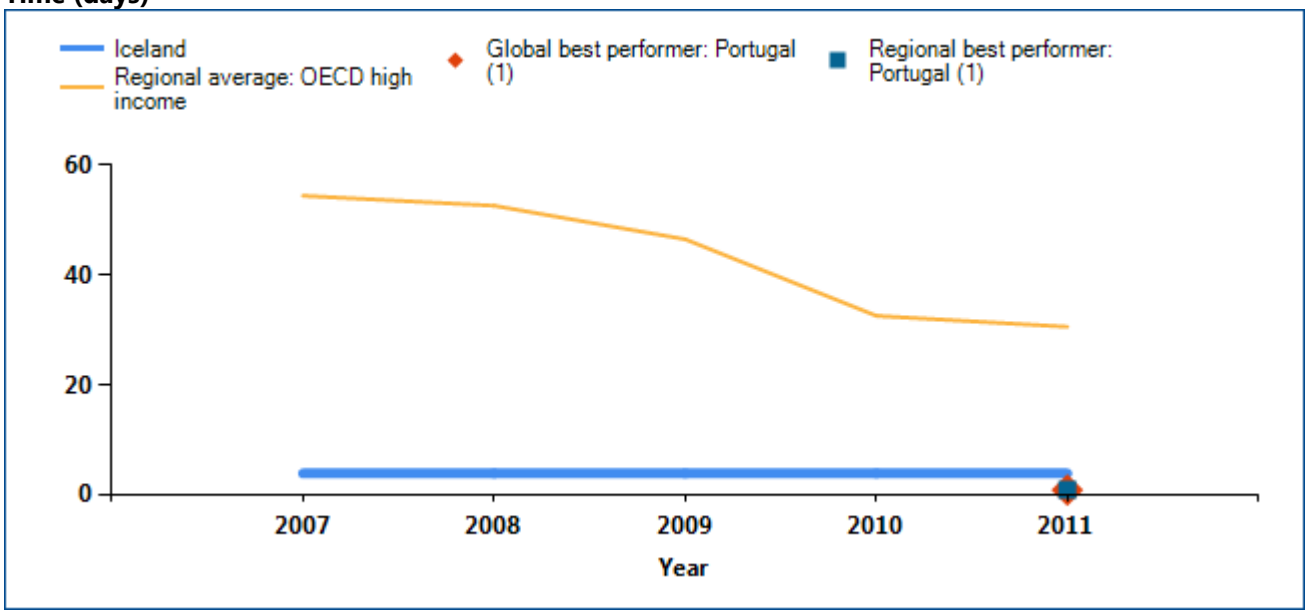
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time or cost required to complete a property transfer (figure 5.3). These economies may provide a model for Iceland on ways to improve the ease of registering property. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 5.3 Has registering property become easier over time?

Procedures (number)

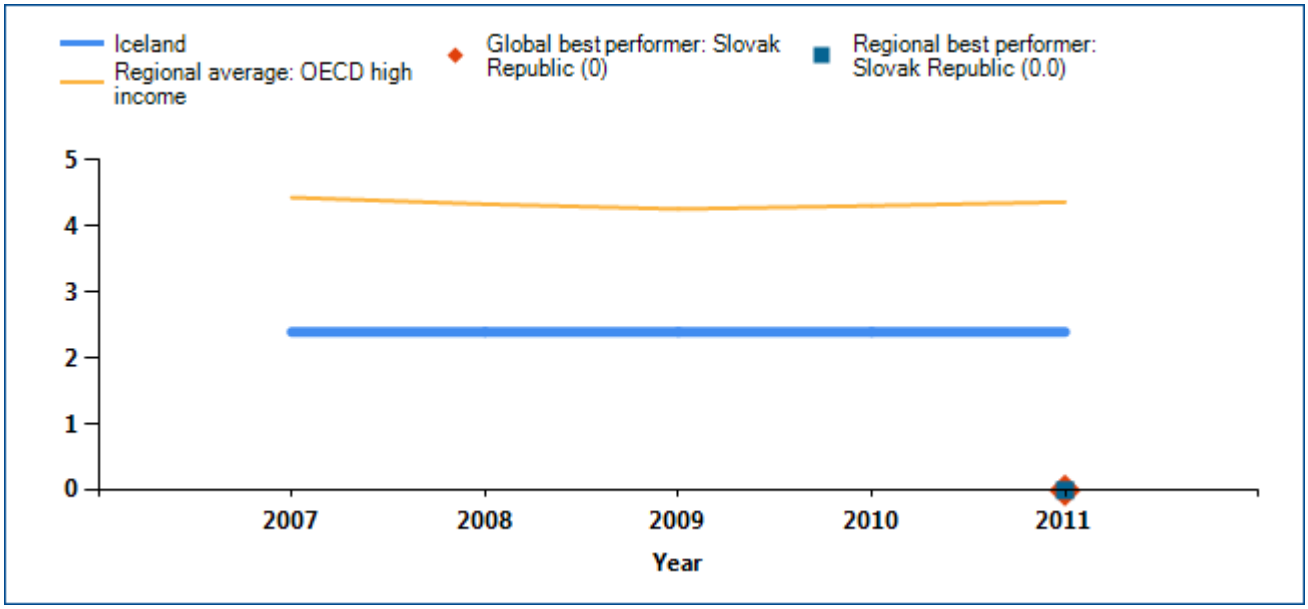


Time (days)



REGISTERING PROPERTY

Cost (% of property value)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a "no practice" mark; see the data notes for details.
Source: Doing Business database.

REGISTERING PROPERTY

Economies worldwide have been making it easier for entrepreneurs to register and transfer property—such as by computerizing land registries, introducing time limits for procedures and setting low fixed fees. Many have cut the time required substantially—enabling buyers to use or mortgage their property earlier. What property registration reforms has *Doing Business* recorded in Iceland (table 5.2)?

Table 5.2 How has Iceland made registering property easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

REGISTERING PROPERTY

What are the details?

The indicators reported here are based on a set of specific procedures—the steps that a buyer and seller must complete to transfer the property to the buyer's name—identified by *Doing Business* through information collected from local property lawyers, notaries and property registries. These procedures are those that apply to a transaction matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover).

STANDARD PROPERTY TRANSFER

City:	**Reykjavik**
Property Value:	**198,646,278.9**

The procedures, along with the associated time and cost, are summarized below.

Summary of procedures for registering property in Iceland—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	**The buyer obtains a non-encumbrance certificate from the Land Registry** The buyer would usually demand to receive a certificate of mortgages and other possible rights and obligations in relation to the property. Anyone can request a certificate in writing. It costs ISK 1.500 and it takes one visit to the Icelandic Property Registry. Real-estate agencies have on-line access to this information at a cost of ISK 550 per certificate.	1 day	ISK 1,500 each certificate if completed at the Registry's office
2	**Authorized real estate agent prepares and executes the sale-purchase agreement** It is not mandatory to use an authorized real estate agent, but almost everyone does. The agent's fees will be around 1.5% and 2.5% of the property value. The sale-purchase agreement is usually registered at the Property Registry if the property is not paid in full at the time of the agreement. The deed is first signed when the property is paid in full. Registration of the sale-purchase agreement protects the rights of the purchaser. The total extra cost of registering the sale-purchase agreement is ISK 2.000. The process takes about 2 days. In this case there is no need to register the sale-purchase agreement and it is not a formal requirement. The conditions for registry of the sale purchase agreement are that it contains the following information: - the name of the property as officially registered by the municipal authorities, - unique property reference number of the land and the property, - the legal description set forth by the planning and building authorities and - the land and the building's number which has direct reference to its coordinates. This information can be obtained from the Land Registry office in the property's district or from Icelandic Property Register (Cadaster authority).	1 day	1.5-2.5% of property value (real estate agent fees)

No.	Procedure	Time to complete	Cost to complete
	If an authorized real estate agent handles the sale this information is available to him via an electronic data and information system. It is common that the buyer notifies the insurance company. Insurance companies have electronic access to the database at Icelandic Property Register and there is a daily processing of the title of transfers. The title of the fire-insurance changes the same day as the transfer of title is registered.		
3	**Transfer of title is prepared and registered at the Magistrates office** When the buyer has fulfilled his obligations in relation to the sale purchase agreement and the conditions for registrations, the transfer of title is prepared and registered at the Magistrates office. The deed shall be delivered in two signed copies (including one copy on a special accredited paper. The documentation should include the deed signed by the seller and the purchaser and certified by a notary public, or an attorney, a certified real-estate agent or two witnesses. In practice a notary public is hardly ever used.	1-2 days	ISK 2000 + 0.4% of the official real estate valuation (usually lower than purchase price) for Stamp Duty

* Takes place simultaneously with another procedure.
Source: Doing Business database.

GETTING CREDIT

Two types of frameworks can facilitate access to credit and improve its allocation: credit information systems and the legal rights of borrowers and lenders in collateral and bankruptcy laws. Credit information systems enable lenders to view a potential borrower's financial history (positive or negative)—valuable information to consider when assessing risk. And they permit borrowers to establish a good credit history that will allow easier access to credit. Sound collateral laws enable businesses to use their assets, especially movable property, as security to generate capital—while strong creditors' rights have been associated with higher ratios of private sector credit to GDP.

What do the indicators cover?

Doing Business assesses the sharing of credit information and the legal rights of borrowers and lenders with respect to secured transactions through 2 sets of indicators. The depth of credit information index measures rules and practices affecting the coverage, scope and accessibility of credit information available through a public credit registry or a private credit bureau. The strength of legal rights index measures the degree to which collateral and bankruptcy laws protect the rights of borrowers and lenders and thus facilitate lending. *Doing Business* uses case scenarios to determine the scope of the secured transactions system, involving a secured borrower and a secured lender and examining legal restrictions on the use of movable collateral. These scenarios assume that the borrower:

- Is a private, limited liability company.
- Has its headquarters and only base of operations in the largest business city.
- Has 100 employees.
- Is 100% domestically owned, as is the lender.

The ranking on the ease of getting credit is based on the percentile rankings on its component indicators: the depth of credit information index (weighted at 37.5%) and the strength of legal rights index (weighted at 62.5%).

WHAT THE GETTING CREDIT INDICATORS MEASURE

Strength of legal rights index (0–10)

Protection of rights of borrowers and lenders through collateral laws

Protection of secured creditors' rights through bankruptcy laws

Depth of credit information index (0–6)

Scope and accessibility of credit information distributed by public credit registries and private credit bureaus

Public credit registry coverage (% of adults)

Number of individuals and firms listed in public credit registry as percentage of adult population

Private credit bureau coverage (% of adults)

Number of individuals and firms listed in largest private credit bureau as percentage of adult population

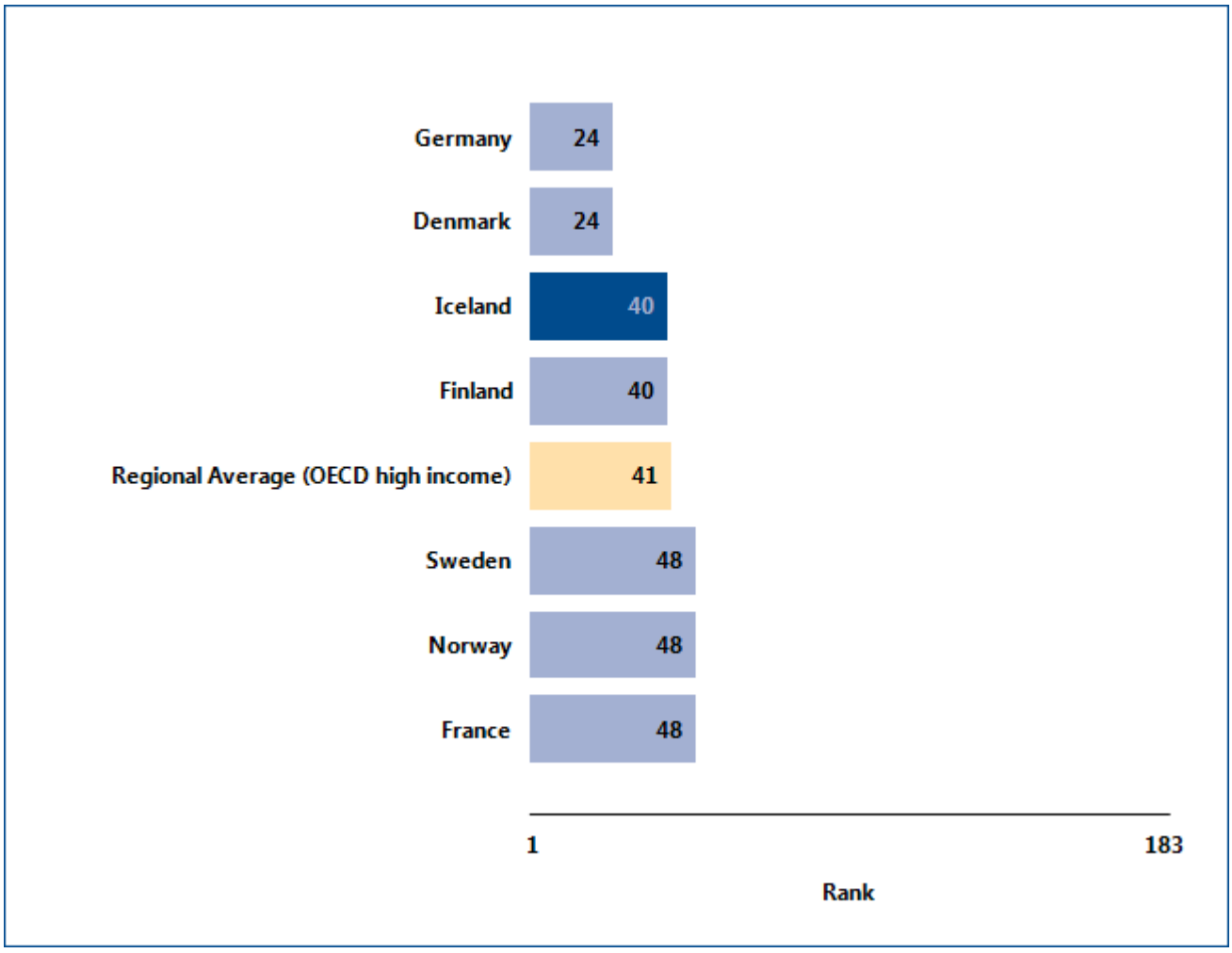
GETTING CREDIT

Where does the economy stand today?

How well do the credit information system and collateral and bankruptcy laws in Iceland facilitate access to credit? The economy has a score of 5 on the depth of credit information index and a score of 7 on the strength of legal rights index (see the summary of scoring at the end of this chapter for details). Higher scores indicate more credit information and stronger legal rights for borrowers and lenders.

Globally, Iceland stands at 40 in the ranking of 183 economies on the ease of getting credit (figure 6.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how well regulations and institutions in Iceland support lending and borrowing.

Figure 6.1 How Iceland and comparator economies rank on the ease of getting credit



Source: Doing Business database.

GETTING CREDIT

What are the changes over time?

While the most recent *Doing Business* data reflect how well the credit information system and collateral and bankruptcy laws in Iceland support lending and borrowing today, data over time can help show where institutions and regulations have been strengthened—and where they have not (table 6.1). That can help identify where the potential for improvement is greatest.

Table 6.1 The ease of getting credit in Iceland over time
By *Doing Business* report year

Indicator	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	37	40
Strength of legal rights index (0-10)	7	7	7	7	7	7	7	7
Depth of credit information index (0-6)	5	5	5	5	5	5	5	5
Public registry coverage (% of adults)	n.a.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Private bureau coverage (% of adults)	n.a.	100.0	100.0	100.0	100.0	100.0	100.0	100.0

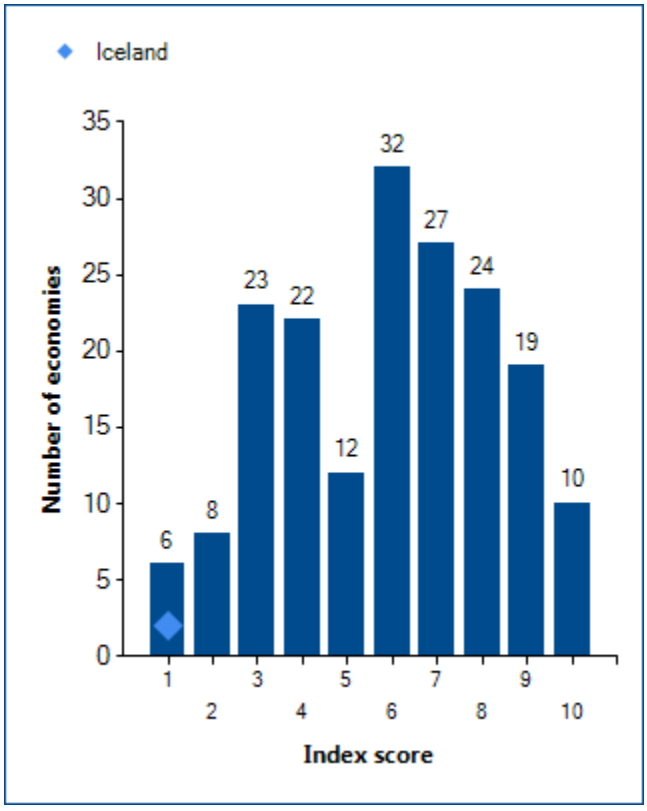
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.
Source: Doing Business database.

GETTING CREDIT

One way to put an economy's getting credit indicators into context is to see where the economy stands in the distribution of scores across other economies. Figure 6.2 highlights the score on the strength of legal rights index for Iceland in 2011 and shows the number of other economies having the same score in 2011. Figure 6.3 shows the same thing for the depth of credit information index.

Figure 6.2 Have legal rights for borrowers and lenders become stronger?

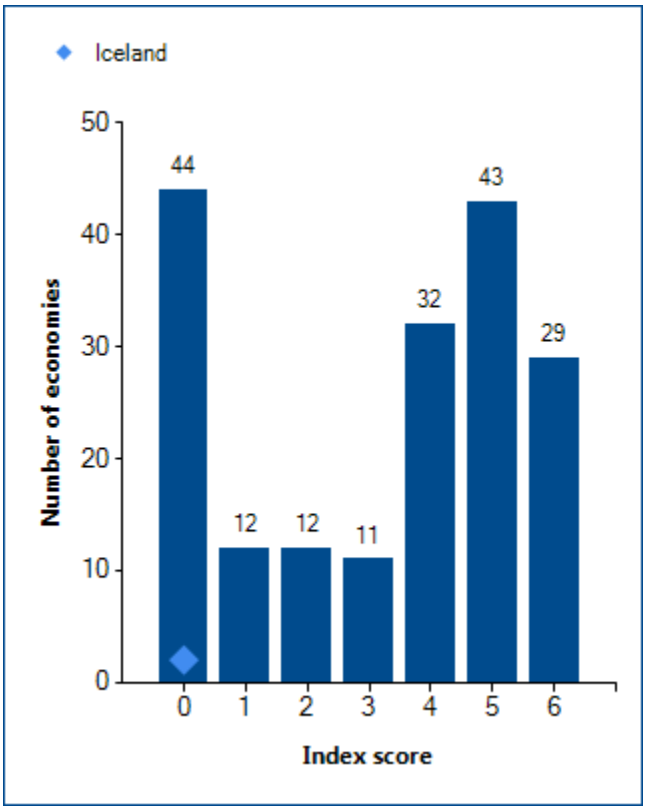
Number of economies with each score on strength of legal rights index (0–10), 2011



Source: Doing Business database.

Figure 6.3 Have the coverage and accessibility of credit information grown?

Number of economies with each score on depth of credit information index (0–6), 2011



Source: Doing Business database.

GETTING CREDIT

When economies strengthen the legal rights of lenders and borrowers under collateral and bankruptcy laws, and increase the scope, coverage and accessibility of credit information, they can increase entrepreneurs' access to credit. What credit reforms has *Doing Business* recorded in Iceland (table 6.2)?

Table 6.2 How has Iceland made getting credit easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

GETTING CREDIT

What are the details?

The getting credit indicators reported here for Iceland are based on detailed information collected in that economy. The data on credit information sharing are collected through a survey of a public credit registry or private credit bureau (if one exists). To construct the depth of credit information index, a score of 1 is assigned for each of 6 features of the public credit registry or private credit bureau (see summary of scoring below).

The data on the legal rights of borrowers and lenders are gathered through a survey of financial lawyers and verified through analysis of laws and regulations as well as public sources of information on collateral and bankruptcy laws. For the strength of legal rights index, a score of 1 is assigned for each of 8 aspects related to legal rights in collateral law and 2 aspects in bankruptcy law.

Summary of scoring for the getting credit indicators in Iceland

Indicator	Iceland	OECD high income	OECD high income
Strength of legal rights index (0-10)	7		7
Depth of credit information index (0-6)	5		5
Public registry coverage (% of adults)	0.0		9.5
Private bureau coverage (% of adults)	100.0		63.9

Strength of legal rights index (0–10)	Index score: 7
Can any business use movable assets as collateral while keeping possession of the assets; and any financial institution accept such assets as collateral ?	Yes
Does the law allow businesses to grant a non possessory security right in a single category of movable assets, without requiring a specific description of collateral?	Yes
Does the law allow businesses to grant a non possessory security right in substantially all of its assets, without requiring a specific description of collateral?	No
May a security right extend to future or after-acquired assets, and may it extend automatically to the products, proceeds or replacements of the original assets ?	Yes
Is a general description of debts and obligations permitted in collateral agreements; can all types of debts and obligations be secured between parties; and can the collateral agreement include a maximum amount for which the assets are encumbered?	Yes
Is a collateral registry in operation, that is unified geographically and by asset type, with an electronic database indexed by debtor's names?	No
Are secured creditors paid first (i.e. before general tax claims and employee claims) when a debtor defaults outside an insolvency procedure?	Yes

Strength of legal rights index (0–10)	Index score: 7
Are secured creditors paid first (i.e. before general tax claims and employee claims) when a business is liquidated?	Yes
Are secured creditors either not subject to an automatic stay or moratorium on enforcement procedures when a debtor enters a court-supervised reorganization procedure, or the law provides secured creditors with grounds for relief from an automatic stay or	No
Does the law allow parties to agree in a collateral agreement that the lender may enforce its security right out of court, at the time a security interest is created?	Yes

Depth of credit information index (0–6)	Private credit bureau	Public credit registry	Index score: 5
Are data on both firms and individuals distributed?	Yes	No	1
Are both positive and negative data distributed?	Yes	No	1
Does the registry distribute credit information from retailers, trade creditors or utility companies as well as financial institutions?	Yes	No	1
Are more than 2 years of historical credit information distributed?	No	No	0
Is data on all loans below 1% of income per capita distributed?	Yes	No	1
Is it guaranteed by law that borrowers can inspect their data in the largest credit registry?	Yes	No	1

Note: An economy receives a score of 1 if there is a "yes" to either private bureau or public registry.

Coverage	Private credit bureau	Public credit registry
Number of firms	..	0
Number of individuals	..	0

Source: Doing Business database.

PROTECTING INVESTORS

Investor protections matter for the ability of companies to raise the capital they need to grow, innovate, diversify and compete. If the laws do not provide such protections, investors may be reluctant to invest unless they become the controlling shareholders. Strong regulations clearly define related-party transactions, promote clear and efficient disclosure requirements, require shareholder participation in major decisions of the company and set clear standards of accountability for company insiders.

What do the indicators cover?

Doing Business measures the strength of minority shareholder protections against directors' use of corporate assets for personal gain—or self-dealing. The indicators distinguish 3 dimensions of investor protections: transparency of related-party transactions (extent of disclosure index), liability for self-dealing (extent of director liability index) and shareholders' ability to sue officers and directors for misconduct (ease of shareholder suits index). The ranking on the strength of investor protection index is the simple average of the percentile rankings on these 3 indices. To make the data comparable across economies, a case study uses several assumptions about the business and the transaction.

The business (Buyer):

- Is a publicly traded corporation listed on the economy's most important stock exchange (or at least a large private company with multiple shareholders).
- Has a board of directors and a chief executive officer (CEO) who may legally act on behalf of Buyer where permitted, even if this is not specifically required by law.

The transaction involves the following details:

- Mr. James, a director and the majority shareholder of the company, proposes that the company purchase used trucks from another company he owns.
- The price is higher than the going price for used trucks, but the transaction goes forward.
- All required approvals are obtained, and all required disclosures made, though the transaction is prejudicial to Buyer.
- Shareholders sue the interested parties and the members of the board of directors.

WHAT THE PROTECTING INVESTORS INDICATORS MEASURE

Extent of disclosure index (0–10)

Who can approve related-party transactions

Disclosure requirements in case of related-party transactions

Extent of director liability index (0–10)

Ability of shareholders to hold interested parties and members of the approving body liable in case of related-party transactions

Available legal remedies (damages, repayment of profits, fines, imprisonment and rescission of the transaction)

Ability of shareholders to sue directly or derivatively

Ease of shareholder suits index (0–10)

Access to internal corporate documents (directly or through a government inspector)

Documents and information available during trial

Strength of investor protection index (0–10)

Simple average of the extent of disclosure, extent of director liability and ease of shareholder suits indices

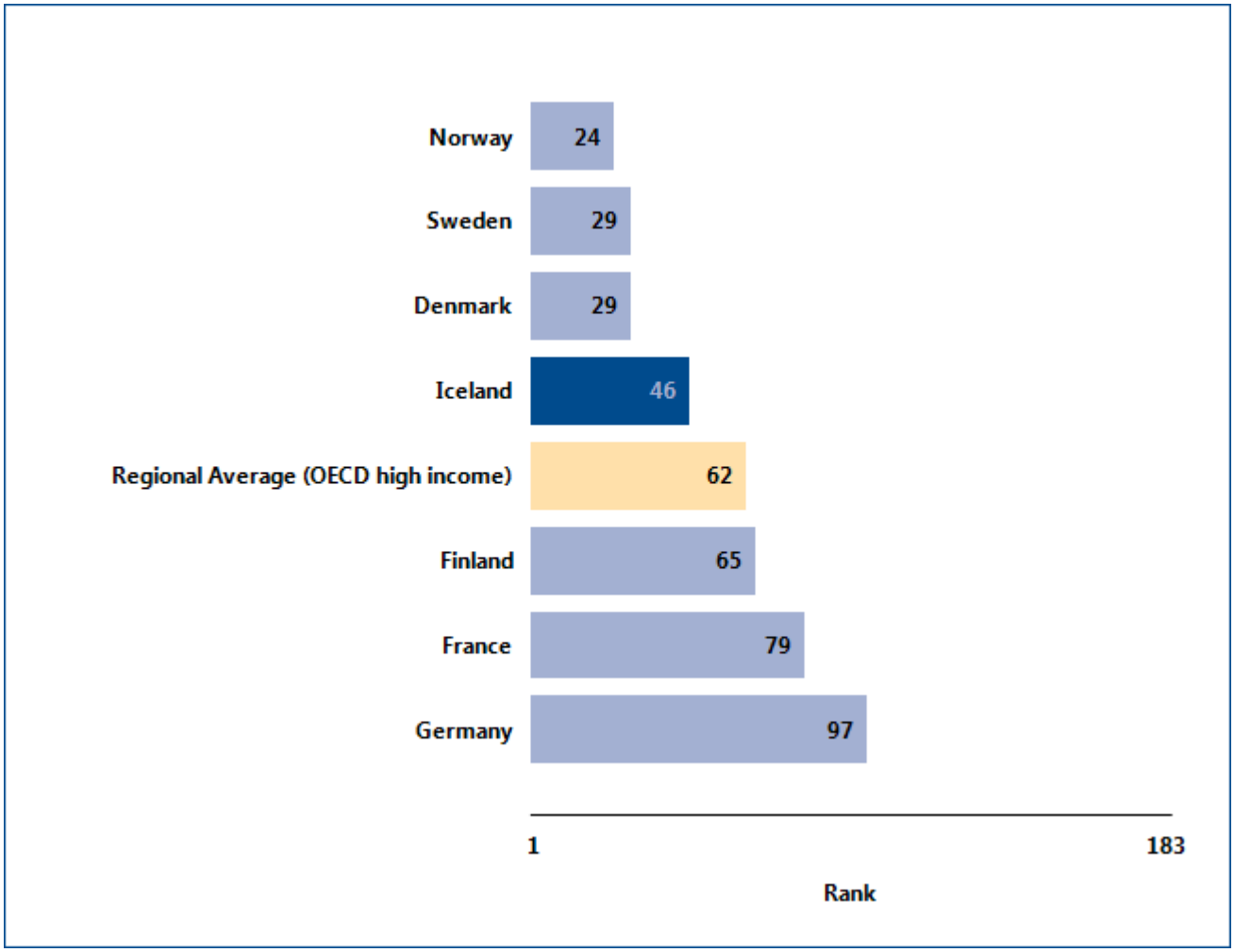
PROTECTING INVESTORS

Where does the economy stand today?

How strong are investor protections in Iceland? The economy has a score of 6.0 on the strength of investor protection index, with a higher score indicating stronger protections (see the summary of scoring at the end of this chapter for details).

Globally, Iceland stands at 46 in the ranking of 183 economies on the strength of investor protection index (figure 7.1). While the indicator does not measure all aspects related to the protection of minority investors, a higher ranking does indicate that an economy's regulations offer stronger investor protections against self-dealing in the areas measured.

Figure 7.1 How Iceland and comparator economies rank on the strength of investor protection index



Source: Doing Business database.

PROTECTING INVESTORS

What are the changes over time?

While the most recent *Doing Business* data reflect how well regulations in Iceland protect minority investors today, data over time show whether the protections have been strengthened (table 7.1). And the global ranking on the strength of investor protection index over time shows whether the economy is slipping behind other economies in investor protections—or surpassing them.

Table 7.1 The strength of investor protections in Iceland over time
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	74	46
Extent of disclosure index (0-10)	4	4	5	5	5	5	7
Extent of director liability index (0-10)	5	5	5	5	5	5	5
Ease of shareholder suits index (0-10)	6	6	6	6	6	6	6
Strength of investor protection index (0-10)	5.0	5.0	5.3	5.3	5.3	5.3	6.0

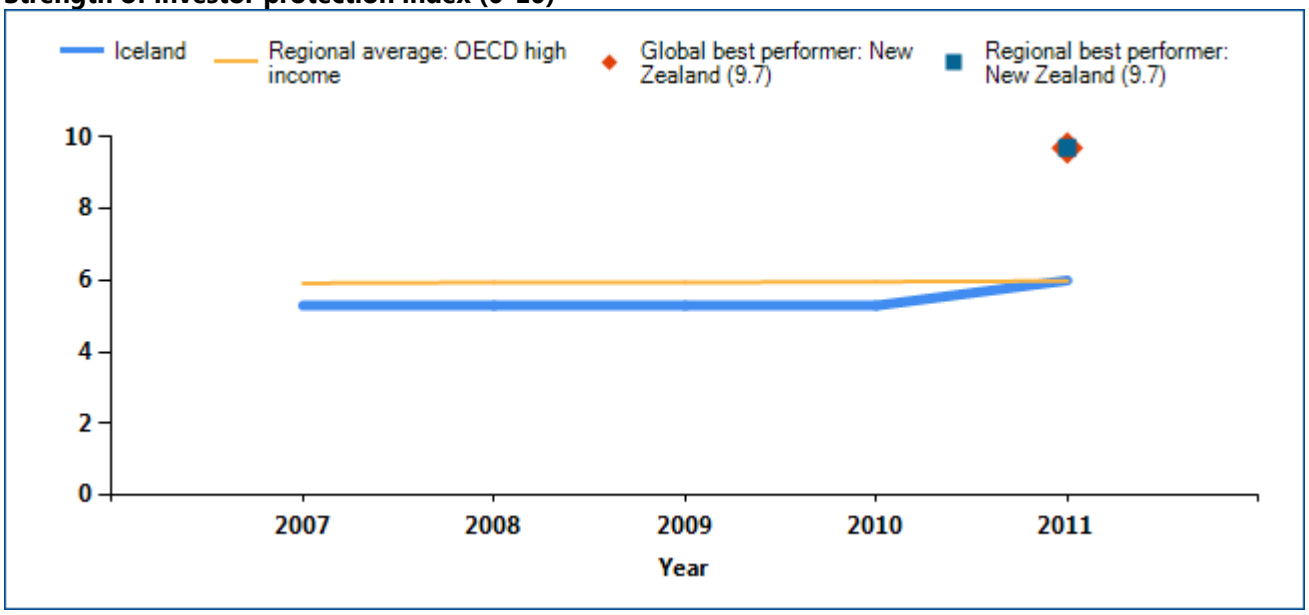
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.
Source: Doing Business database.

PROTECTING INVESTORS

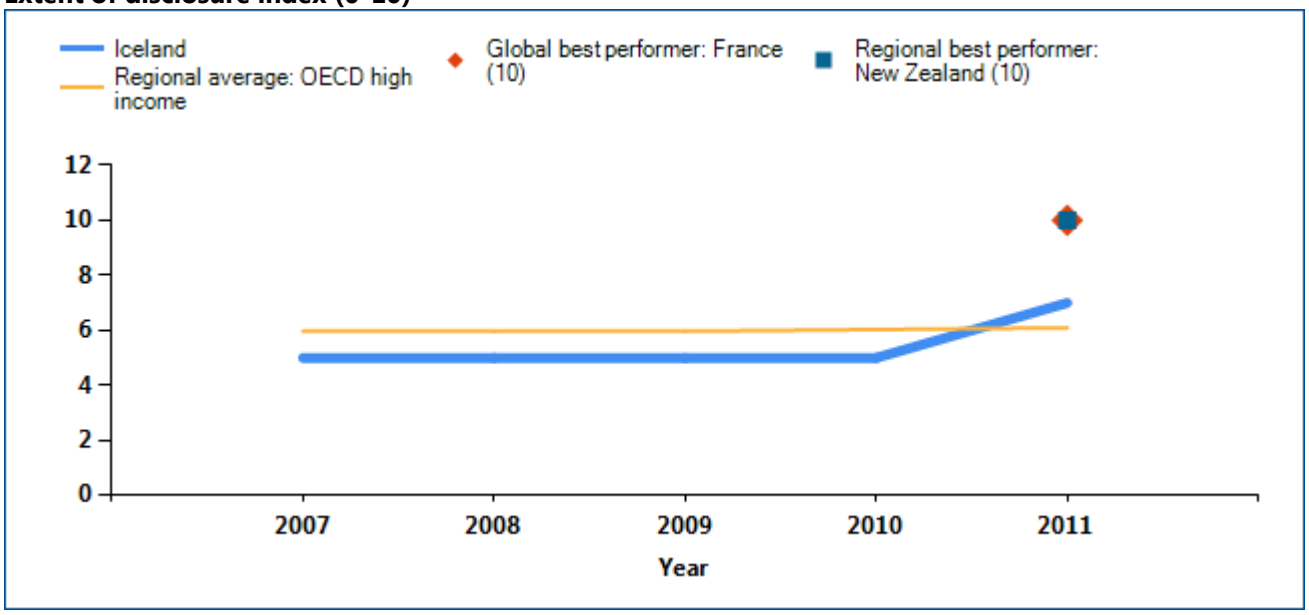
But the overall ranking on the strength of investor protection index tells only part of the story. Economies may offer strong protections in some areas but not others. So the scores recorded over time for Iceland on the extent of disclosure, extent of director liability and ease of shareholder suits indices may also be revealing (figure 7.2). Equally interesting may be the changes over time in the regional average scores for those indices.

Figure 7.2 Have investor protections become stronger?

Strength of investor protection index (0-10)

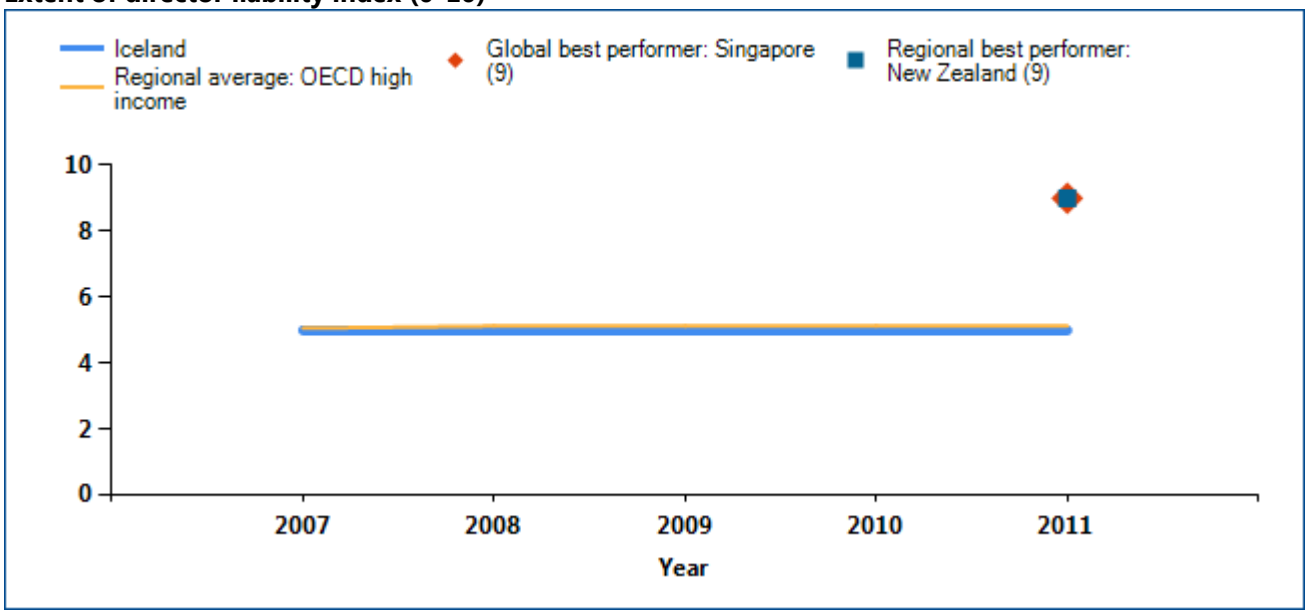


Extent of disclosure index (0-10)

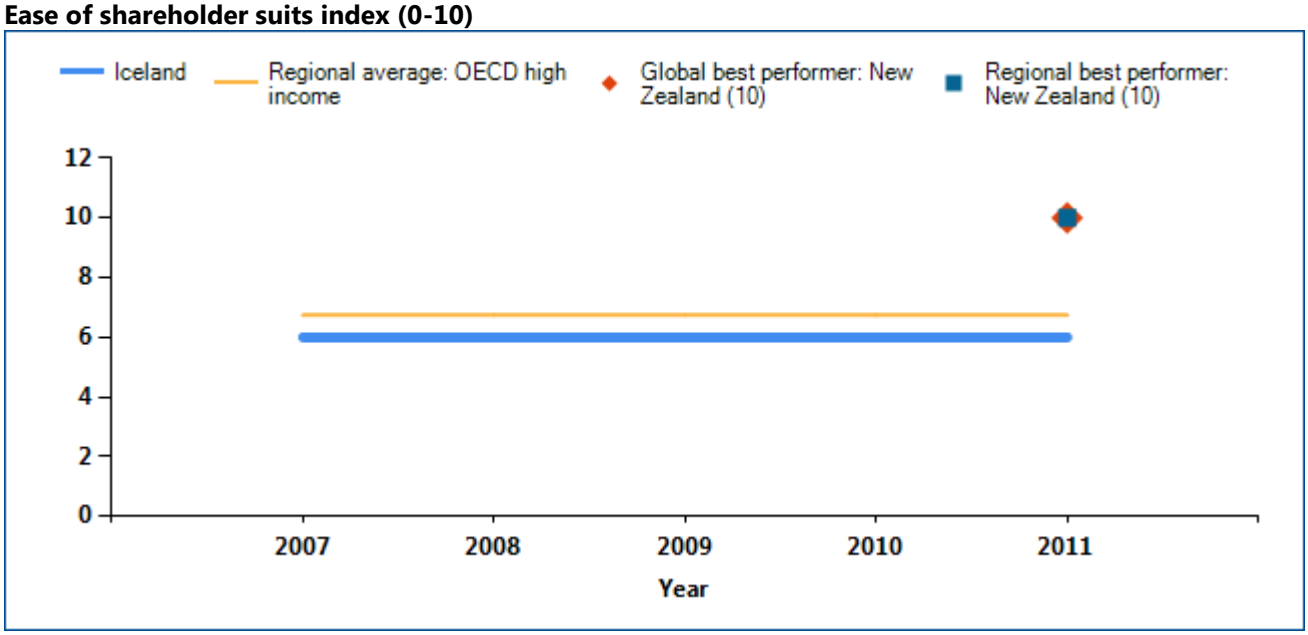


PROTECTING INVESTORS

Extent of director liability index (0-10)



Ease of shareholder suits index (0-10)



Note: The higher the score, the stronger the investor protections. The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.
Source: Doing Business database.

PROTECTING INVESTORS

Economies with the strongest protections of minority investors from self-dealing require more disclosure and define clear duties for directors. They also have well-functioning courts and up-to-date procedural rules that give minority investors the means to prove their case and obtain a judgment within a reasonable time. So reforms to strengthen investor protections may move ahead on different fronts—such as through new or amended company laws or civil procedure rules. What investor protection reforms has *Doing Business* recorded in Iceland (table 7.2)?

Table 7.2 How has Iceland strengthened investor protections—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	Iceland strengthened investor protections by introducing new requirements relating to the approval of transactions between interested parties.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2006), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

PROTECTING INVESTORS

What are the details?

The protecting investors indicators reported here for Iceland are based on detailed information collected through a survey of corporate and securities lawyers and are based on securities regulations, company laws and court rules of evidence. To construct the extent of disclosure, extent of director liability and ease of shareholder suits indices, a score is assigned for each of a range of conditions relating to disclosure, director liability and shareholder suits in a standard case study transaction (see the notes at the end of this chapter). The summary below shows the details underlying the scores for Iceland.

Summary of scoring for the protecting investors indicators in Iceland

Indicator	Iceland	OECD high income	OECD high income
Extent of disclosure index (0-10)	7		6
Extent of director liability index (0-10)	5		5
Ease of shareholder suits index (0-10)	6		7
Strength of investor protection index (0-10)	6.0		6.0

	Score
Extent of disclosure index (0-10)	7
What corporate body provides legally sufficient approval for the transaction?	3
Whether disclosure of the conflict of interest by Mr. James to the board of directors is required?	1
Whether immediate disclosure of the transaction to the public and/or shareholders is required?	2
Whether disclosure of the transaction in published periodic filings (annual reports) is required?	0
Whether an external body must review the terms of the transaction before it takes place?	1
Extent of director liability index (0-10)	5
Whether shareholders can sue directly or derivatively for the damage that the Buyer-Seller transaction causes to the company?	1
Whether shareholders can hold Mr. James liable for the damage that the Buyer-Seller transaction causes to the company?	1
Whether shareholders can hold members of the approving body liable for the damage that the Buyer-Seller transaction causes to the company?	1
Whether a court can void the transaction upon a successful claim by a shareholder plaintiff?	1

	Score
Whether Mr. James pays damages for the harm caused to the company upon a successful claim by the shareholder plaintiff?	1
Whether Mr. James repays profits made from the transaction upon a successful claim by the shareholder plaintiff?	0
Whether fines and imprisonment can be applied against Mr. James?	0
Ease of shareholder suits index (0-10)	6
Whether shareholders owning 10% or less of Buyer's shares can inspect transaction documents before filing suit?	0
Whether shareholders owning 10% or less of Buyer's shares can request an inspector to investigate the transaction?	0
Whether the plaintiff can obtain any documents from the defendant and witnesses during trial?	2
Whether the plaintiff can request categories of documents from the defendant without identifying specific ones?	1
Whether the plaintiff can directly question the defendant and witnesses during trial?	2
Whether the level of proof required for civil suits is lower than that of criminal cases?	1
Strength of investor protection index (0-10)	6.0

Source: Doing Business database.

Notes:

Extent of disclosure index (0–10)

Scoring for the extent of disclosure index is based on 5 components:

Which corporate body can provide legally sufficient approval for the transaction
0 = CEO or managing director alone; 1 = shareholders or board of directors vote and Mr. James can vote; 2 = board of directors votes and Mr. James cannot vote; 3 = shareholders vote and Mr. James cannot vote.

Whether disclosure of the conflict of interest by Mr. James to the board of directors is required
0 = no disclosure; 1 = disclosure of the existence of a conflict without any specifics; 2 = full disclosure of all material facts.

Whether immediate disclosure of the transaction to the public, the regulator or the shareholders is required
0 = no disclosure; 1 = disclosure on the transaction only; 2 = disclosure on the transaction and Mr. James's conflict of interest.

Whether disclosure of the transaction in the annual report is required
0 = no disclosure; 1 = disclosure on the transaction only; 2 = disclosure on the transaction and Mr. James's conflict of interest.

Whether it is required that an external body (for example, an external auditor) review the transaction before it takes place
0 = no; 1 = yes.

Extent of director liability index (0–10)

Scoring for the extent of director liability index is based on 7 components:

Whether shareholders can sue directly or derivatively for the damage that the Buyer-Seller transaction causes to the company
0 = suits are unavailable or available only for shareholders holding more than 10% of the company's share capital; 1 = direct or derivative suits available for shareholders holding 10% of share capital or less.

Whether shareholders can hold Mr. James liable for the damage that the transaction causes to the company
0 = Mr. James is not liable or is liable only if he acted fraudulently or in bad faith; 1 = Mr. James is liable if he influenced the approval or was negligent; 2 = Mr. James is liable if the transaction is unfair or prejudicial to the other shareholders.

Whether shareholders can hold the approving body (the CEO or members of the board of directors) liable for the damage that the transaction causes to the company
0 = members of the approving body are either not liable or liable only if they acted fraudulently or in bad faith; 1 = liable for negligence in the approval of the transaction; 2 = liable if the transaction is unfair or prejudicial to the other shareholders.

Whether a court can void the transaction upon a successful claim by a shareholder plaintiff
0 = rescission is unavailable or available only in case of Seller's fraud or bad faith; 1 = rescission is available when the transaction is oppressive or prejudicial to the other shareholders; 2 = rescission is available when the transaction is unfair or entails a conflict of interest.

Whether Mr. James pays damages for the harm caused to the company upon a successful claim by the shareholder plaintiff
0 = no; 1 = yes.

Whether Mr. James repays profits made from the transaction upon a successful claim by the shareholder plaintiff
0 = no; 1 = yes.

Whether both fines and imprisonment can be applied against Mr. James
0 = no; 1 = yes.

Ease of shareholder suits index (0–10)

Scoring for the ease of shareholder suits index is based on 6 components:

What range of documents is available to the plaintiff from the defendant and witnesses during trial
Score of 1 for each of the following: information that the defendant has indicated he intends to rely on for his defense; information that directly proves specific facts in the plaintiff's claim; any information relevant to the subject matter of the claim; and any information that may lead to the discovery of relevant information.

Whether the plaintiff can directly examine the defendant and witnesses during trial
0 = no; 1 = yes, with prior approval by the court of the questions posed; 2 = yes, without prior approval.

Whether the plaintiff can obtain categories of relevant documents from the defendant without identifying each document specifically
0 = no; 1 = yes.

Whether shareholders owning 10% or less of the company's share capital can request that a government inspector investigate the transaction without filing suit in court
0 = no; 1 = yes.

Whether shareholders owning 10% or less of the company's share capital have the right to inspect the transaction documents before filing suit
0 = no; 1 = yes.

Whether the standard of proof for civil suits is lower than that for a criminal case
0 = no; 1 = yes.

Strength of investor protection index (0–10)

Simple average of the extent of disclosure, extent of director liability and ease of shareholder suits indices.

PAYING TAXES

Taxes are essential. They fund the public amenities, infrastructure and services that are crucial for a properly functioning economy. But the level of tax rates needs to be carefully chosen—and needless complexity in tax rules avoided. According to *Doing Business* data, in economies where it is more difficult and costly to pay taxes, larger shares of economic activity end up in the informal sector—where businesses pay no taxes at all.

What do the indicators cover?

Using a case scenario, *Doing Business* measures the taxes and mandatory contributions that a medium-size company must pay in a given year as well as the administrative burden of paying taxes and contributions. This case scenario uses a set of financial statements and assumptions about transactions made over the year. Information is also compiled on the frequency of filing and payments as well as time taken to comply with tax laws. The ranking on the ease of paying taxes is the simple average of the percentile rankings on its component indicators: number of annual payments, time and total tax rate, with a threshold being applied to the total tax rate.[2] To make the data comparable across economies, several assumptions about the business and the taxes and contributions are used.

- TaxpayerCo is a medium-size business that started operations on January 1, 2009.
- The business starts from the same financial position in each economy. All the taxes and mandatory contributions paid during the second year of operation are recorded.
- Taxes and mandatory contributions are measured at all levels of government.
- Taxes and mandatory contributions include corporate income tax, turnover tax and all labor taxes and contributions paid by the company.
- A range of standard deductions and exemptions are also recorded.

WHAT THE PAYING TAXES INDICATORS MEASURE

Tax payments for a manufacturing company in 2010 (number per year adjusted for electronic or joint filing and payment)

- Total number of taxes and contributions paid, including consumption taxes (value added tax, sales tax or goods and service tax)
- Method and frequency of filing and payment

Time required to comply with 3 major taxes (hours per year)

- Collecting information and computing the tax payable
- Completing tax return forms, filing with proper agencies
- Arranging payment or withholding
- Preparing separate tax accounting books, if required

Total tax rate (% of profit before all taxes)

- Profit or corporate income tax
- Social contributions and labor taxes paid by the employer
- Property and property transfer taxes
- Dividend, capital gains and financial transactions taxes
- Waste collection, vehicle, road and other taxes

[2] The threshold is defined as the highest total tax rate among the top 30% of economies in the ranking on the total tax rate. It will be calculated and adjusted on a yearly basis. The threshold is not based on any underlying theory. Instead, it is intended to mitigate the effect of very low tax rates on the ranking on the ease of paying taxes.

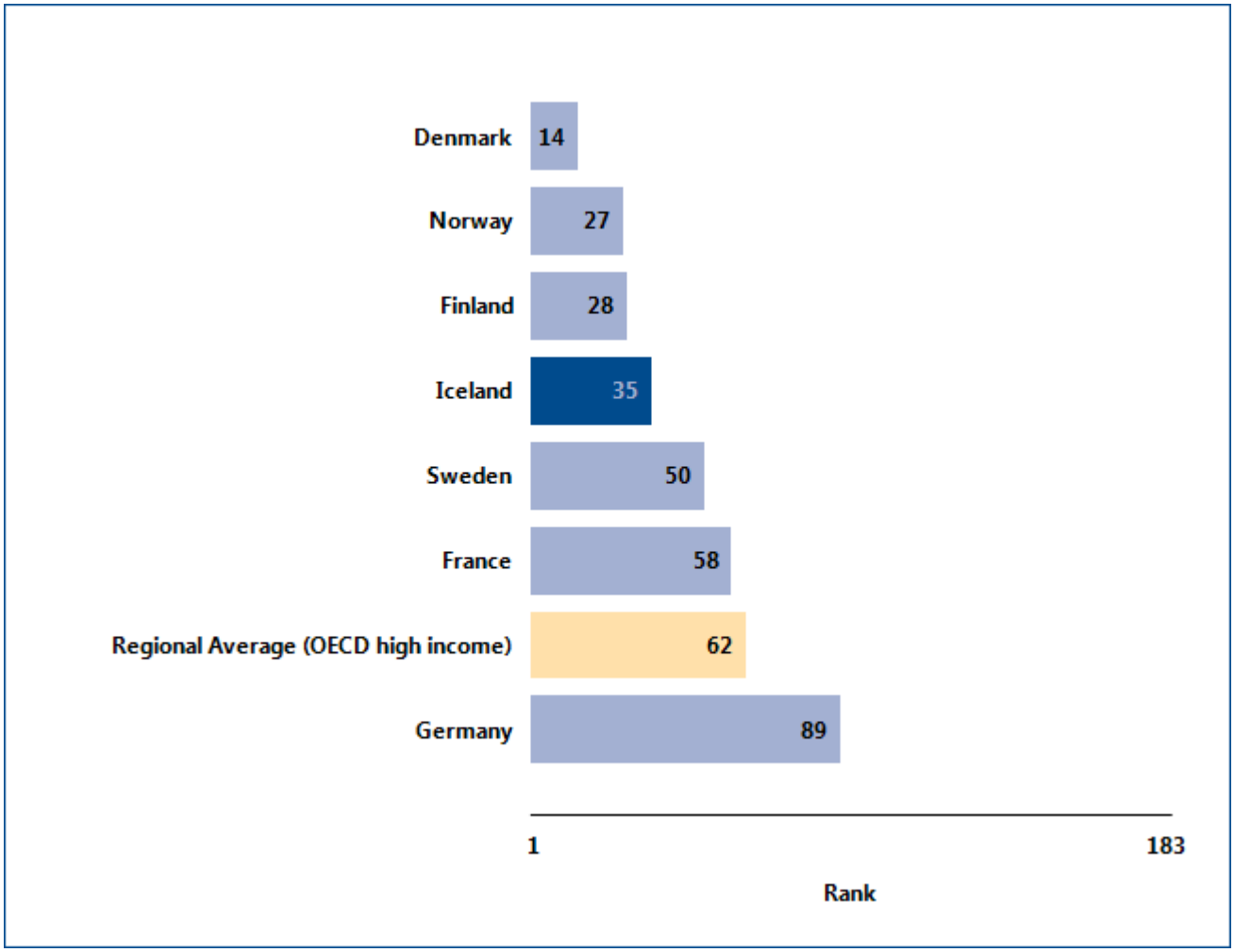
PAYING TAXES

Where does the economy stand today?

What is the administrative burden of complying with taxes in Iceland—and how much do firms pay in taxes? On average, firms make 29 tax payments a year, spend 140 hours a year filing, preparing and paying taxes and pay total taxes amounting to 9.4% of profit (see the summary at the end of this chapter for details).

Globally, Iceland stands at 35 in the ranking of 183 economies on the ease of paying taxes (figure 8.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing the tax compliance burden for businesses in Iceland.

Figure 8.1 How Iceland and comparator economies rank on the ease of paying taxes



Note: DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking on the ease of paying taxes.

Source: Doing Business database.

PAYING TAXES

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to comply with tax rules in Iceland today, data over time show which aspects of the process have changed — and which have not (table 8.1). That can help identify where the potential for easing tax compliance is greatest.

Table 8.1 The ease of paying taxes in Iceland over time
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	35	35
Payments (number per year)	42	30	30	30	30	30	29
Time (hours per year)	140	140	140	140	140	140	140
Total tax rate (% profit)	27.5	27.5	27.2	26.8	25.0	26.8	31.8

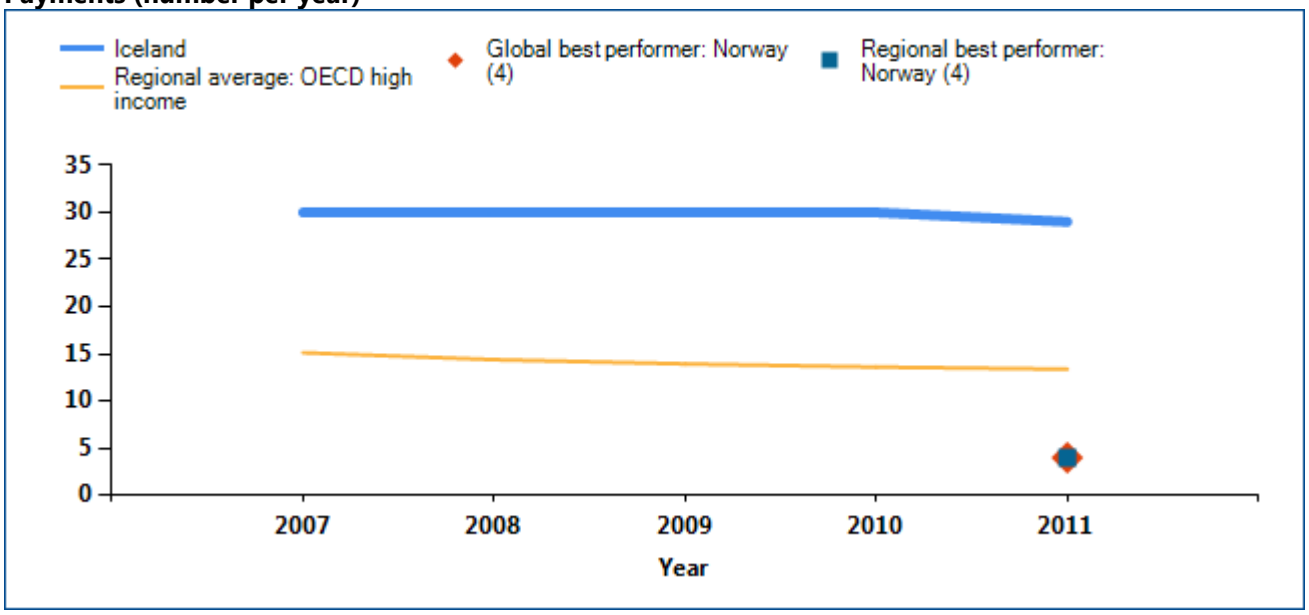
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the rank on the ease of paying taxes.
Source: Doing Business database.

PAYING TAXES

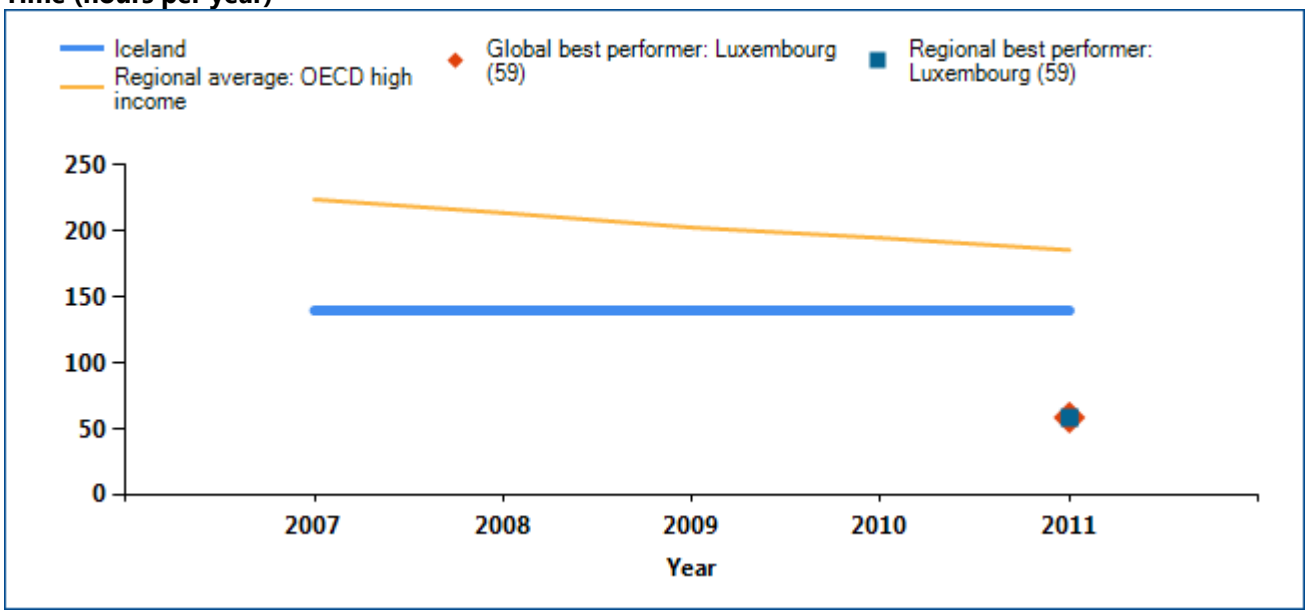
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the number of payments or the time required to prepare and file taxes (figure 8.2). These economies may provide a model for Iceland on ways to ease the administrative burden of tax compliance. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 8.2 Has paying taxes become easier over time?

Payments (number per year)

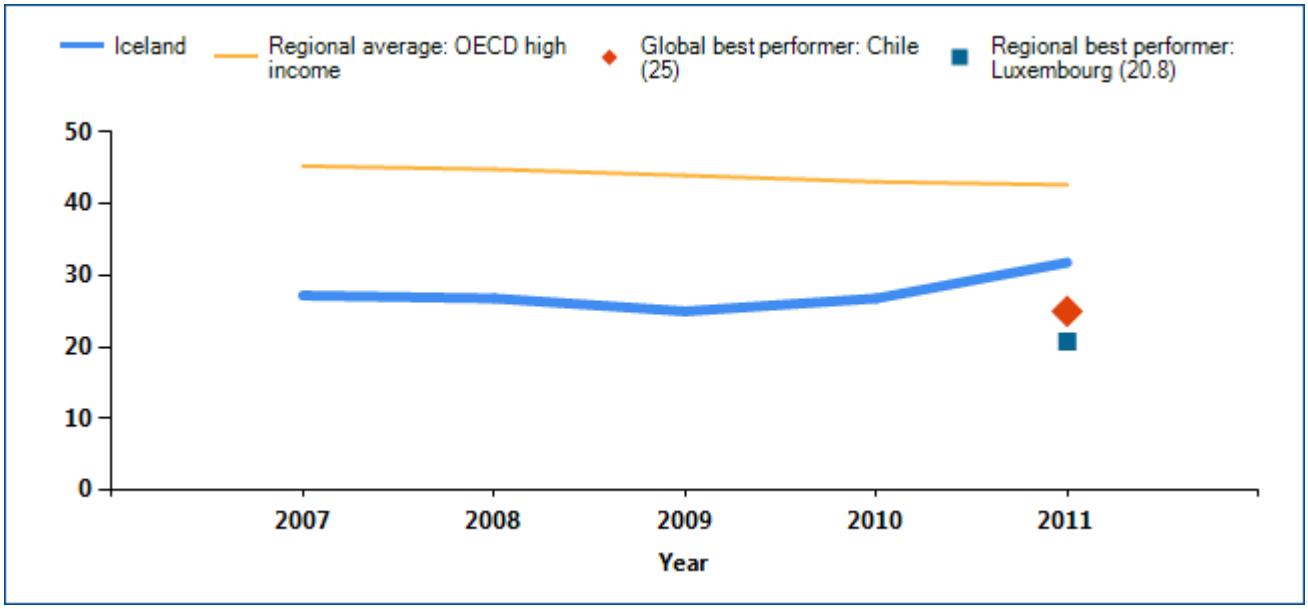


Time (hours per year)



PAYING TAXES

Total tax rate (% of profit)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. The best performer globally on an indicator has implemented the most efficient practices in its tax system but is not necessarily the one with the highest ranking on the indicator. In some cases 2 or more economies share the top regional ranking on an indicator. DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking on the ease of paying taxes.
Source: Doing Business database.

PAYING TAXES

Economies around the world have made paying taxes faster and easier for businesses—such as by consolidating filings, reducing the frequency of payments or offering electronic filing and payment. Many have lowered tax rates. Changes have brought concrete results. Some economies simplifying tax payment and reducing rates have seen tax revenue rise. What tax reforms has *Doing Business* recorded in Iceland (table 8.2)?

Table 8.2 How has Iceland made paying taxes easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	Iceland made paying taxes easier and less costly for firms by abolishing a tax.
DB2011	Iceland increased the corporate income tax rate from 15% to 18% and raised social security and pension contribution rates.
DB2010	The tax burden was eased on companies by reducing the corporate income tax rate from 18 percent to 15 percent.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2006), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

PAYING TAXES

What are the details?

The indicators reported here for Iceland are based on a standard set of taxes and contributions that would be paid by the case study company used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover). Tax practitioners are asked to review standard financial statements as well as a standard list of transactions that the company completed during the year. Respondents are asked how much in taxes and mandatory contributions the business must pay and what the process is for doing so. The taxes and contributions paid are listed in the summary below, along with the associated number of payments, time and tax rate.

Summary of tax rates and administrative burden in Iceland

Indicator	Iceland	OECD high income	OECD high income
Payments (number per year)	29		13
Time (hours per year)	140		186
Profit tax (%)	9.4		15.4
Labor tax and contributions (%)	18.8		24.0
Other taxes (%)	3.6		3.2
Total tax rate (% profit)	31.8		42.7

Tax or mandatory contribution	Payments (number)	Notes on payments	Time (hours)	Statutory tax rate	Tax base	Total tax rate (% of profit)	Notes on total tax rate
Social security contributions	1	online filing	60	8.65%	gross salaries	9.8	
Corporate income tax	1	online filing	40	18.00%	taxable profits	9.4	
Pension contributions	12		0	8.00%	gross salaries	9	
Property tax	1	online filing	0	1.65% + 0.115%	assessed value of property	2.6	
Fuel tax	1		0	included in price of fuel		0.7	
Tax on interest	0		0	18.0%	interest income	0.5	not included

Tax or mandatory contribution	Payments (number)	Notes on payments	Time (hours)	Statutory tax rate	Tax base	Total tax rate (% of profit)	Notes on total tax rate
Weight distance tax	3		0	ISK 3.08 pr. Km	Km driven per year	0.1	
Vehicle tax	2		0	ISK 6,83 for the first 1.000 kg., ISK 9,21 for the next 2.000 kg and ISK 2.277 for each ton above 3.000 kg. This is paid jointly with disposal charge of ISK 350 per truck per each 6 month period.	vehicle weight	0.1	
Municipal tax	6		0	ISK 102/m2 + ISK 2.637 + 11.374	building area in square meters	0.1	
Value added tax (VAT)	1	online filing	40	25.5%	value added	0	not included
Stamp duty on property transfer	1		0	0.40%	transaction value	0	small amount
Totals	**29**		**140**			**31.8**	

Note: DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking on the ease of paying taxes.
Source: Doing Business database.

TRADING ACROSS BORDERS

In today's globalized world, making trade between economies easier is increasingly important for business. Excessive document requirements, burdensome customs procedures, inefficient port operations and inadequate infrastructure all lead to extra costs and delays for exporters and importers, stifling trade potential. Research shows that exporters in developing countries gain more from a 10% drop in their trading costs than from a similar reduction in the tariffs applied to their products in global markets.

What do the indicators cover?

Doing Business measures the time and cost (excluding tariffs) associated with exporting and importing a standard shipment of goods by ocean transport, and the number of documents necessary to complete the transaction. The indicators cover procedural requirements such as documentation requirements and procedures at customs and other regulatory agencies as well as at the port. They also cover trade logistics, including the time and cost of inland transport to the largest business city. The ranking on the ease of trading across borders is the simple average of the percentile rankings on its component indicators: documents, time and cost to export and import.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the traded goods.

The business:

- Is of medium size and employs 60 people.
- Is located in the periurban area of the economy's largest business city.
- Is a private, limited liability company, domestically owned, formally registered and operating under commercial laws and regulations of the economy.

The traded goods:

- Are not hazardous nor do they include military items.
- Do not require refrigeration or any other special environment.
- Do not require any special phytosanitary or environmental safety standards other than accepted international standards.
- Are one of the economy's leading export or import products.
- Are transported in a dry-cargo, 20-foot full container load.

WHAT THE TRADING ACROSS BORDERS INDICATORS MEASURE

Documents required to export and import (number)

- Bank documents
- Customs clearance documents
- Port and terminal handling documents
- Transport documents

Time required to export and import (days)

- Obtaining all the documents
- Inland transport and handling
- Customs clearance and inspections
- Port and terminal handling
- Does not include ocean transport time

Cost required to export and import (US$ per container)

- All documentation
- Inland transport and handling
- Customs clearance and inspections
- Port and terminal handling
- Official costs only, no bribes

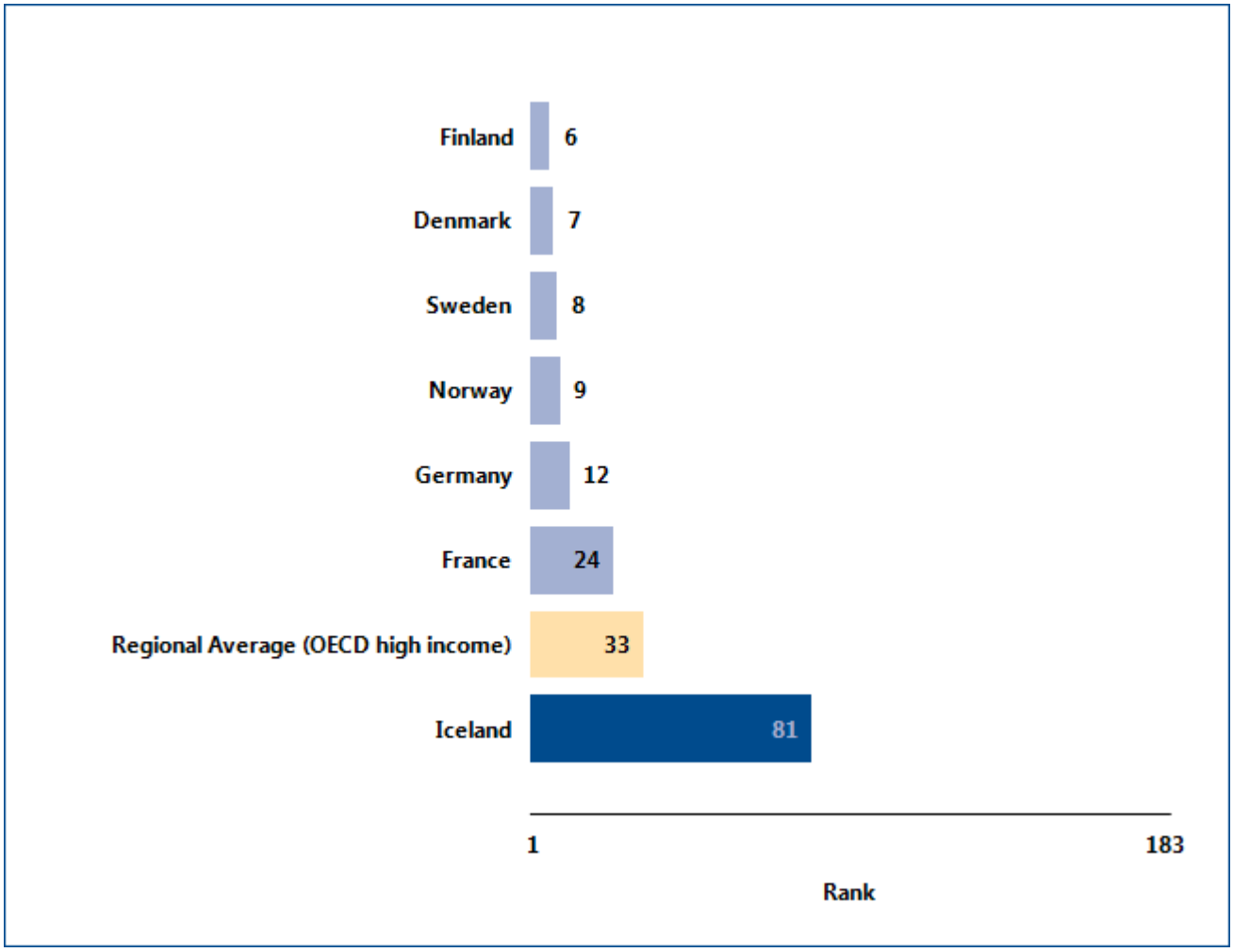
TRADING ACROSS BORDERS

Where does the economy stand today?

What does it take to export or import in Iceland? According to data collected by *Doing Business*, exporting a standard container of goods requires 5 documents, takes 19 days and costs $1532. Importing the same container of goods requires 5 documents, takes 14 days and costs $1674 (see the summary of procedures and documents at the end of this chapter for details).

Globally, Iceland stands at 81 in the ranking of 183 economies on the ease of trading across borders (figure 9.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how easy it is for a business in Iceland to export and import goods.

Figure 9.1 How Iceland and comparator economies rank on the ease of trading across borders



Source: Doing Business database.

TRADING ACROSS BORDERS

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to export or import in Iceland today, data over time show which aspects of the process have changed—and which have not (table 9.1). That can help identify where the potential for improvement is greatest.

Table 9.1 The ease of trading across borders in Iceland over time
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	82	81
Documents to export (number)	5	5	5	5	5	5	5
Time to export (days)	15	15	15	15	19	19	19
Cost to export (US$ per container)	1,269	1,269	1,269	1,109	1,532	1,532	1,532
Documents to import (number)	5	5	5	5	5	5	5
Time to import (days)	14	14	14	14	14	14	14
Cost to import (US$ per container)	1,343	1,343	1,343	1,183	1,674	1,674	1,674

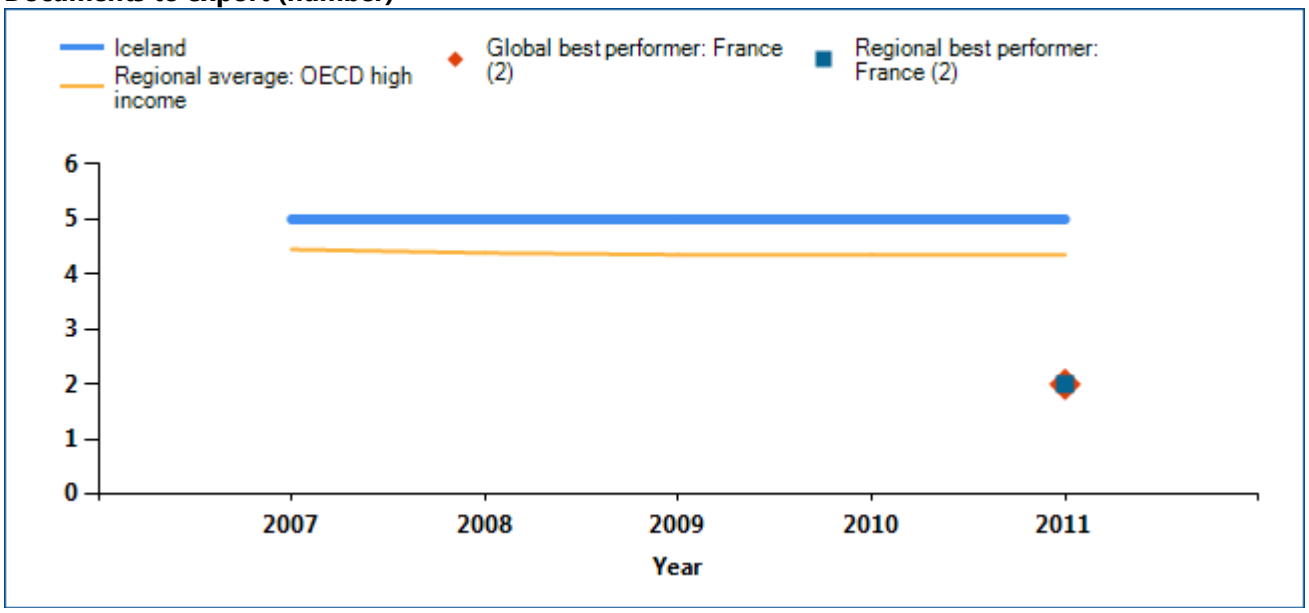
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.
Source: Doing Business database.

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the documents, time or cost required to export or import (figure 9.2). These economies may provide a model for Iceland on ways to improve the ease of trading across borders. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

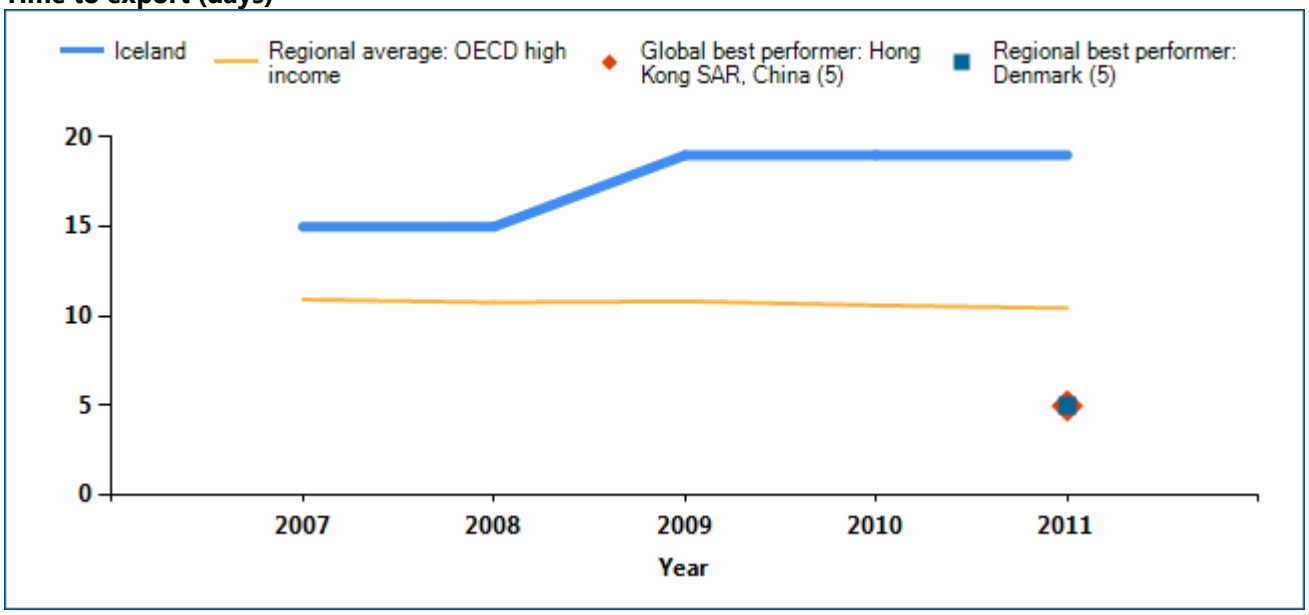
TRADING ACROSS BORDERS

Figure 9.2 Has trading across borders become easier over time?

Documents to export (number)

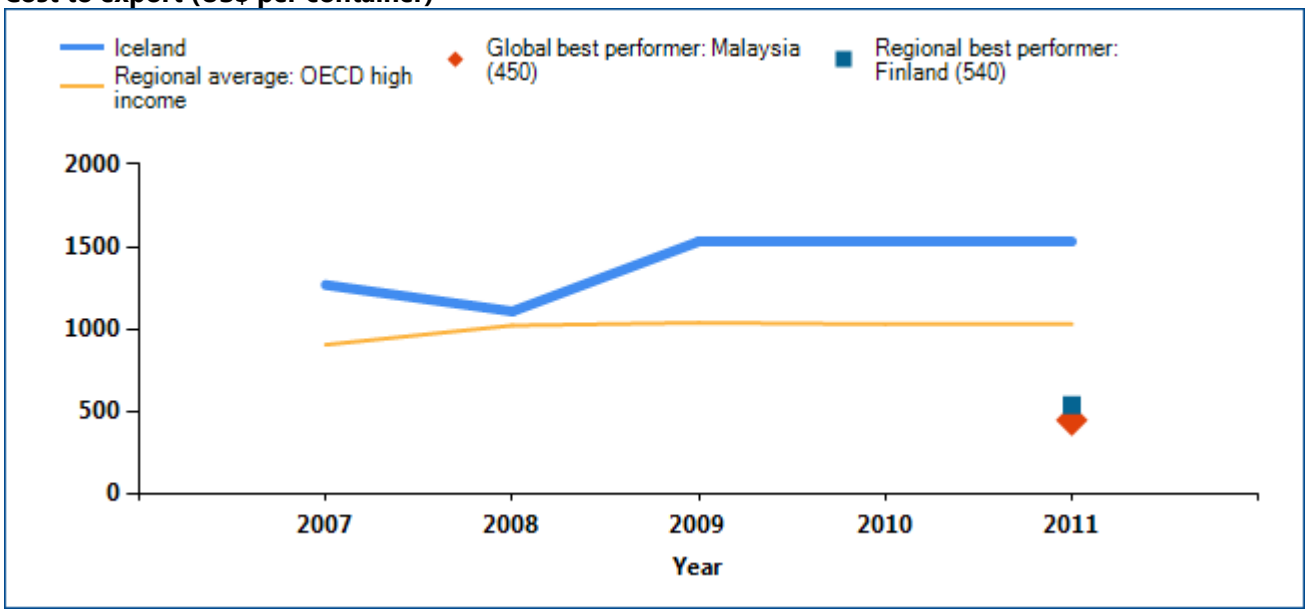


Time to export (days)

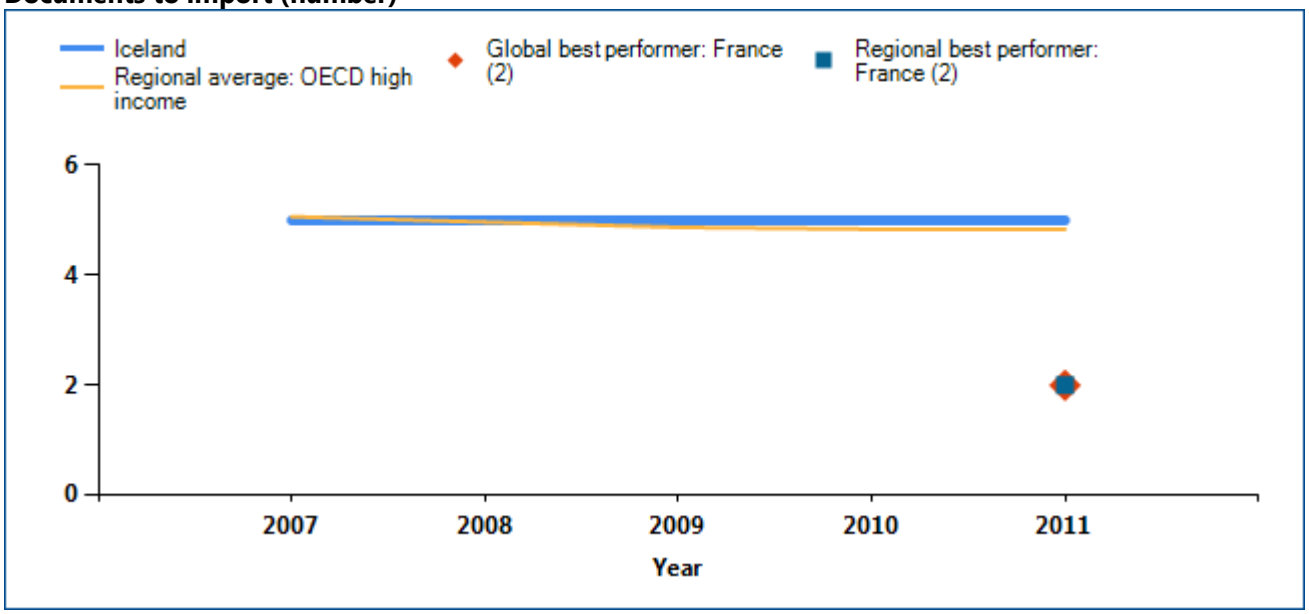


TRADING ACROSS BORDERS

Cost to export (US$ per container)

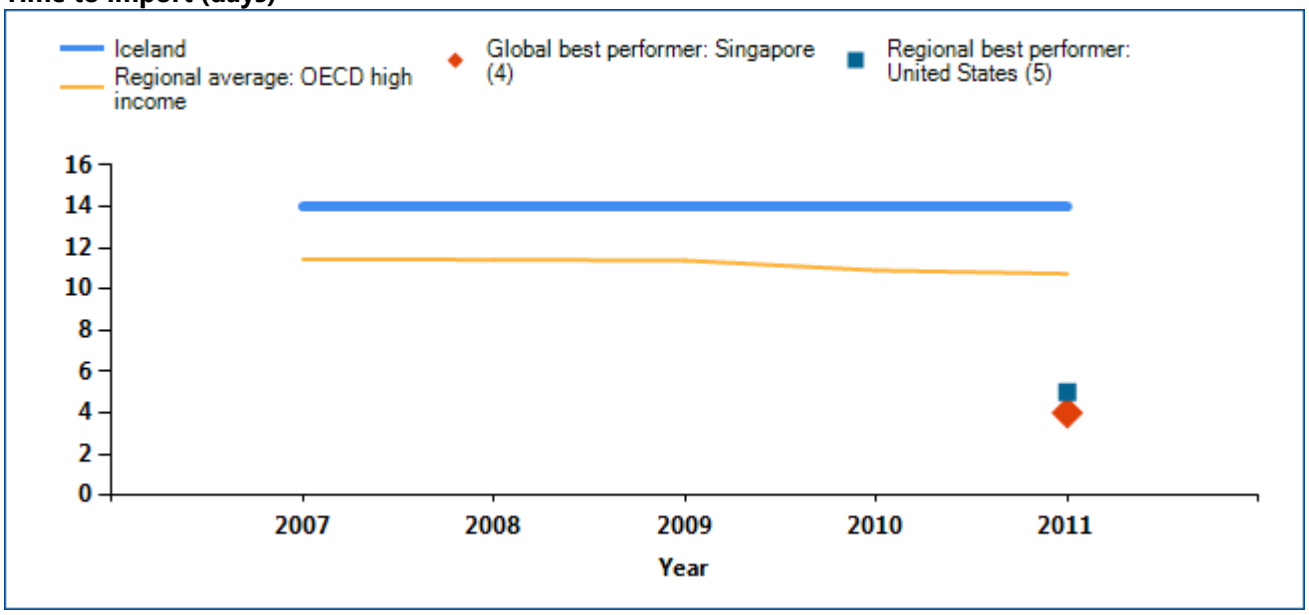


Documents to import (number)

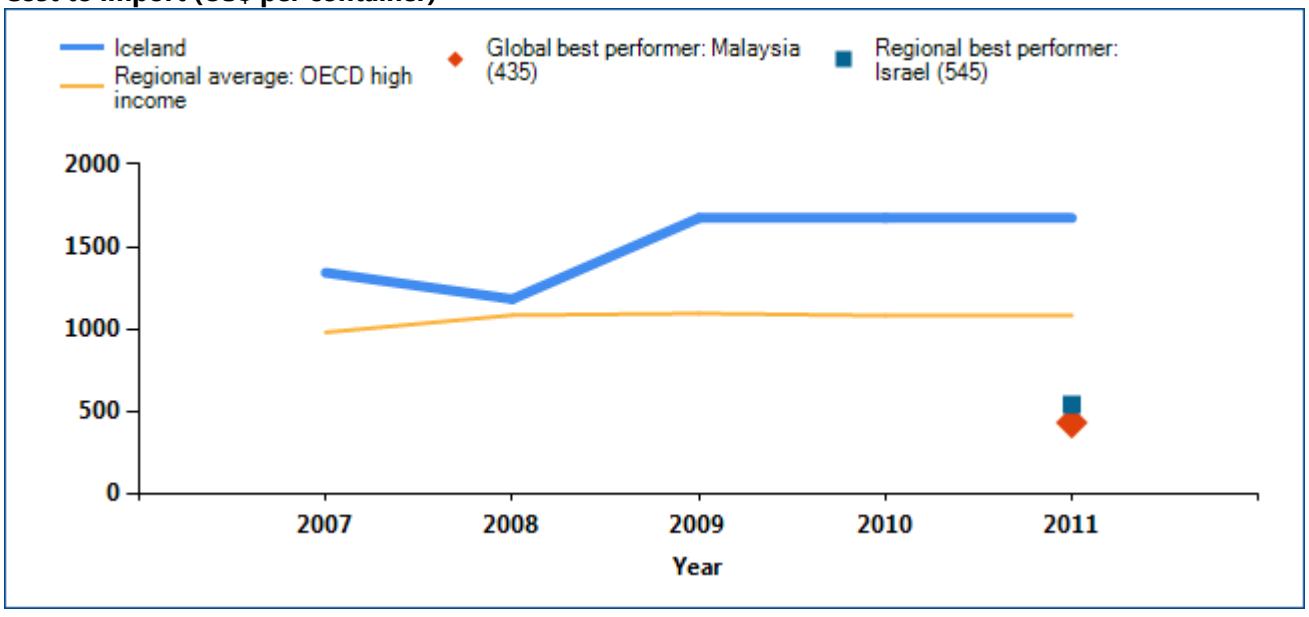


TRADING ACROSS BORDERS

Time to import (days)



Cost to import (US$ per container)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.
Source: Doing Business database.

TRADING ACROSS BORDERS

In economies around the world, trading across borders as measured by *Doing Business* has become faster and easier over the years. Governments have introduced tools to facilitate trade—including single windows, risk-based inspections and electronic data interchange systems. These changes help improve the trading environment and boost firms' international competitiveness. What trade reforms has *Doing Business* recorded in Iceland (table 9.2)?

Table 9.2 How has Iceland made trading across borders easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2006), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

TRADING ACROSS BORDERS

What are the details?

The indicators reported here for Iceland are based on a set of specific procedural requirements for trading a standard shipment of goods by ocean transport (see the section in this chapter on what the indicators cover). Information on the procedures as well as the required documents and the time and cost to complete each procedure is collected from local freight forwarders, shipping lines, customs brokers, port officials and banks. The procedural requirements, and the associated time and cost, for exporting and importing a standard shipment of goods are listed in the summary below, along with the required documents.

Summary of procedures and documents for trading across borders in Iceland

Indicator	Iceland	OECD high income	OECD high income
Documents to export (number)	5		4
Time to export (days)	19		10
Cost to export (US$ per container)	1532		1,032
Documents to import (number)	5		5
Time to import (days)	14		11
Cost to import (US$ per container)	1674		1,085

Procedures to export	Time (days)	Cost (US$)
Documents preparation	10	240
Customs clearance and technical control	1	52
Ports and terminal handling	7	605
Inland transportation and handling	1	635
Totals	19	1532

Procedures to import	Time (days)	Cost (US$)
Documents preparation	10	382
Customs clearance and technical control	1	52
Ports and terminal handling	2	605
Inland transportation and handling	1	635
Totals	14	1674

TRADING ACROSS BORDERS

Documents to export
Packing List
Bill of lading
Customs export declaration
Commercial Invoice
EUR.1 Certificate

Documents to import
Packing list
Bill of lading
Cargo release order
Commercial invoice
Customs import declaration

ENFORCING CONTRACTS

Well-functioning courts help businesses expand their network and markets. Without effective contract enforcement, people might well do business only with family, friends and others with whom they have established relationships. Where contract enforcement is efficient, firms are more likely to engage with new borrowers or customers, and they have greater access to credit.

What do the indicators cover?

Doing Business measures the efficiency of the judicial system in resolving a commercial dispute before local courts. Following the step-by-step evolution of a standardized case study, it collects data relating to the time, cost and procedural complexity of resolving a commercial lawsuit. The ranking on the ease of enforcing contracts is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

The dispute in the case study involves the breach of a sales contract between 2 domestic businesses. The case study assumes that the court hears an expert on the quality of the goods in dispute. This distinguishes the case from simple debt enforcement. To make the data comparable across economies, *Doing Business* uses several assumptions about the case:

- The seller and buyer are located in the economy's largest business city.
- The buyer orders custom-made goods, then fails to pay.
- The seller sues the buyer before a competent court.
- The value of the claim is 200% of income per capita.
- The seller requests a pretrial attachment to secure the claim.
- The dispute on the quality of the goods requires an expert opinion.
- The judge decides in favor of the seller; there is no appeal.
- The seller enforces the judgment through a public sale of the buyer's movable assets.

WHAT THE ENFORCING CONTRACTS INDICATORS MEASURE

Procedures to enforce a contract through the courts (number)

Any interaction between the parties in a commercial dispute, or between them and the judge or court officer

Steps to file and serve the case

Steps for trial and judgment

Steps to enforce the judgment

Time required to complete procedures (calendar days)

Time to file and serve the case

Time for trial and obtaining judgment

Time to enforce the judgment

Cost required to complete procedures (% of claim)

No bribes

Average attorney fees

Court costs, including expert fees

Enforcement costs

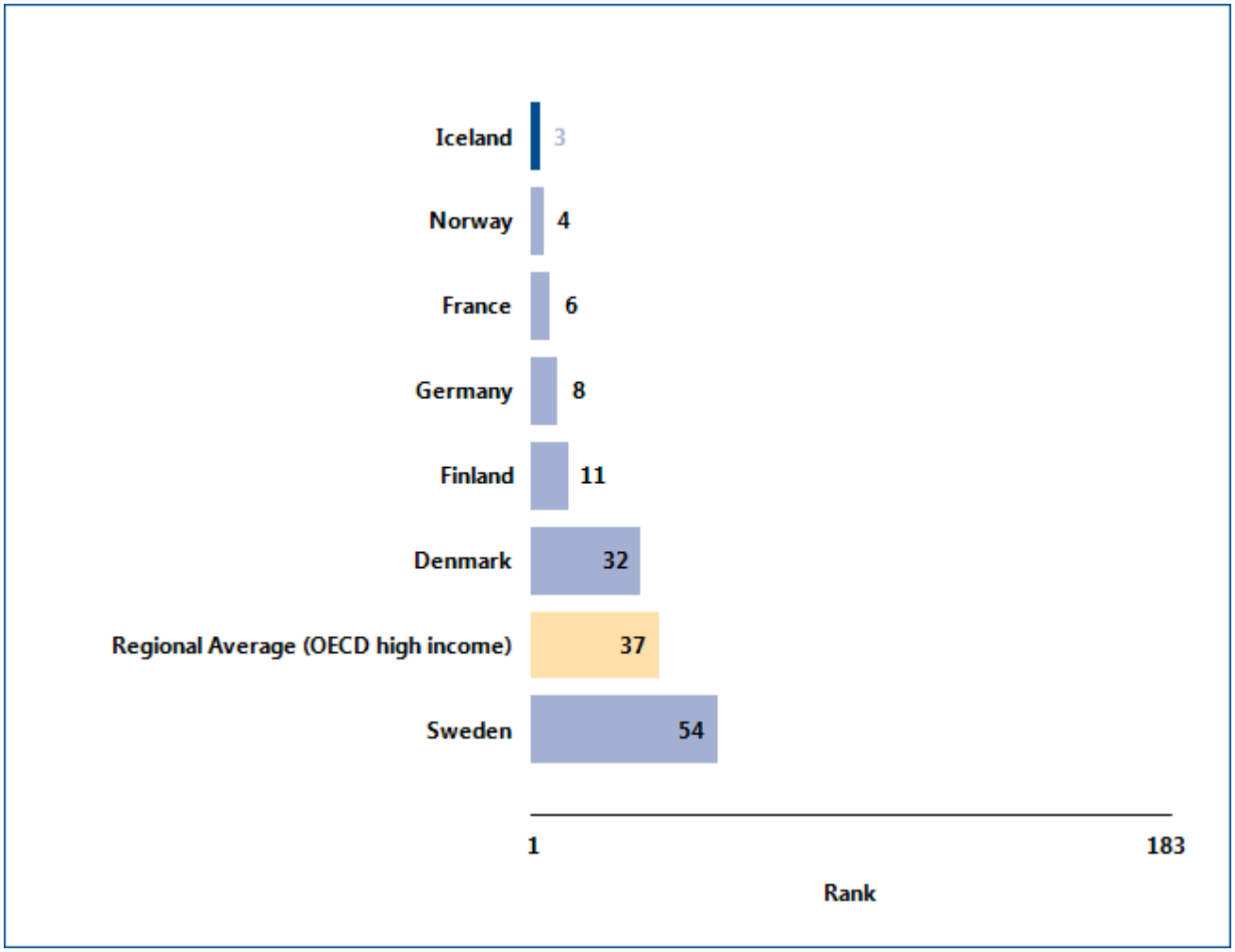
ENFORCING CONTRACTS

Where does the economy stand today?

How efficient is the process of resolving a commercial dispute through the courts in Iceland? According to data collected by *Doing Business*, enforcing a contract requires 27 procedures, takes 417 days and costs 8.2% of the value of the claim (see the summary at the end of this chapter for details).

Globally, Iceland stands at 3 in the ranking of 183 economies on the ease of enforcing contracts (figure 10.1). The rankings for comparator economies and the regional average ranking provide other useful benchmarks for assessing the efficiency of contract enforcement in Iceland.

Figure 10.1 How Iceland and comparator economies rank on the ease of enforcing contracts



Source: Doing Business database.

ENFORCING CONTRACTS

What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to enforce a contract in Iceland today, data on the underlying indicators over time help identify which areas have changed and where the potential for improvement is greatest (table 10.1).

Table 10.1 The ease of enforcing contracts in Iceland over time
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	..	2	3
Time (days)	n.a.	393	393	393	393	393	417	417	417
Cost (% of claim)	n.a.	7.7	7.7	7.7	7.7	7.8	7.8	8.2	8.2
Procedures (number)	n.a.	27	27	27	27	27	27	27	27

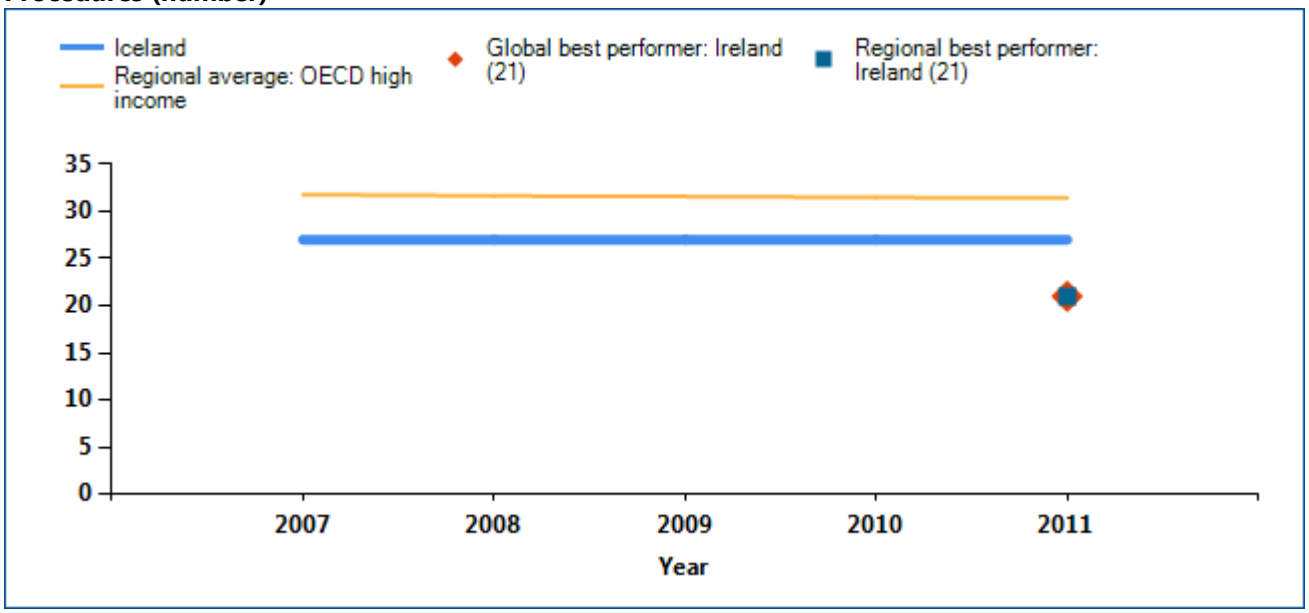
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.
Source: Doing Business database.

ENFORCING CONTRACTS

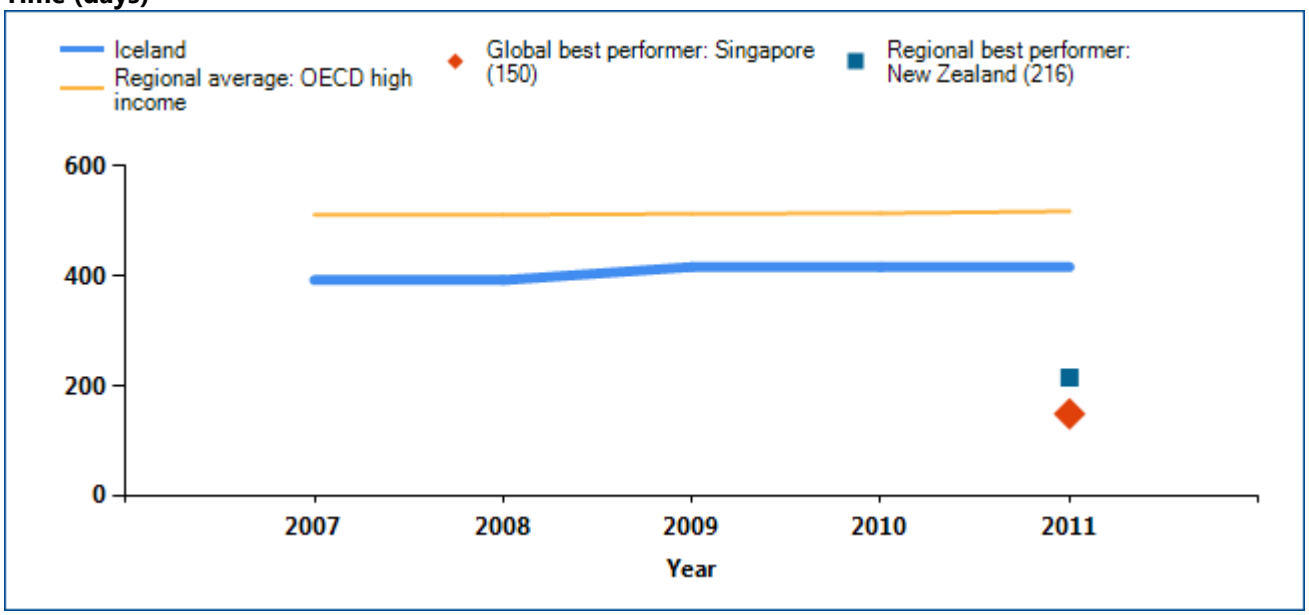
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the number of steps, time or cost required to enforce a contract through the courts (figure 10.2). These economies may provide a model for Iceland on ways to improve the efficiency of contract enforcement. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 10.2 Has enforcing contracts become easier over time?

Procedures (number)

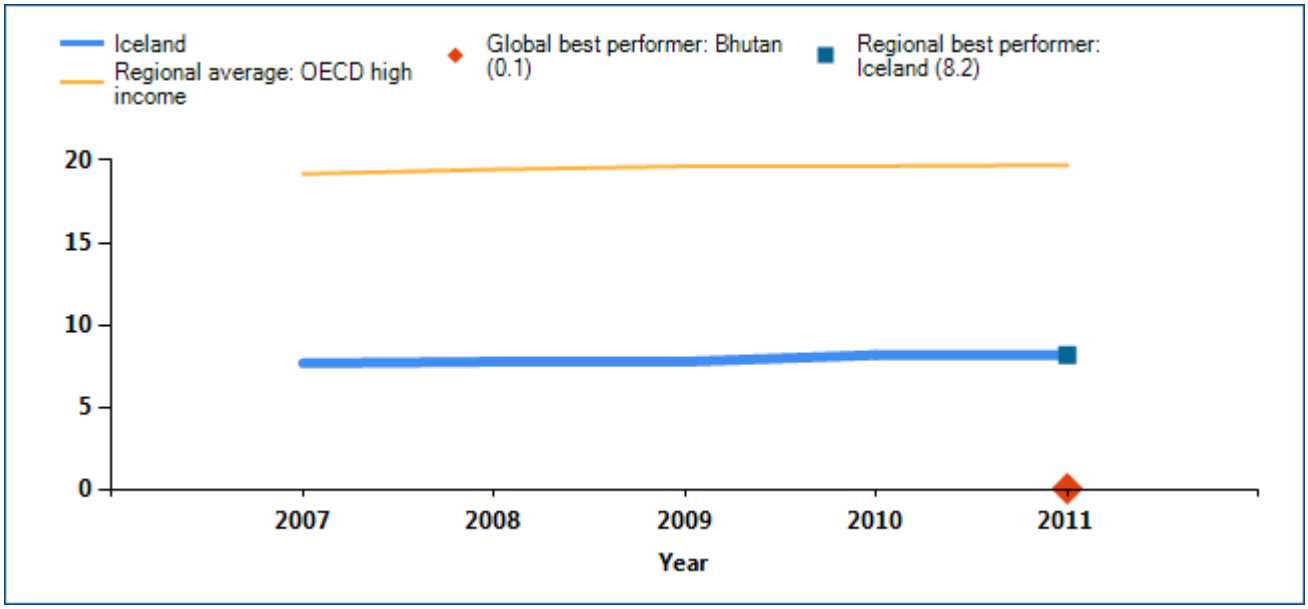


Time (days)



ENFORCING CONTRACTS

Cost (% of claim)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.
Source: Doing Business database.

ENFORCING CONTRACTS

Economies in all regions have improved contract enforcement in recent years. A judiciary can be improved in different ways. Higher-income economies tend to look for ways to enhance efficiency by introducing new technology. Lower-income economies often work on reducing backlogs by introducing periodic reviews to clear inactive cases from the docket and by making procedures faster. What reforms making it easier (or more difficult) to enforce contracts has *Doing Business* recorded in Iceland (table 10.2)?

Table 10.2 How has Iceland made enforcing contracts easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

ENFORCING CONTRACTS

What are the details?

The indicators reported here for Iceland are based on a set of specific procedural steps required to resolve a standardized commercial dispute through the courts (see the section in this chapter on what the indicators cover). These procedures, and the time and cost of completing them, are identified through study of the codes of civil procedure and other court regulations, as well as through surveys completed by local litigation lawyers (and, in a quarter of the economies covered by *Doing Business*, by judges as well). The procedures for resolving a commercial lawsuit, and the associated time and cost, are listed in the summary below.

Summary of procedures for enforcing a contract in Iceland—and the time and cost

Indicator	Iceland	OECD high income	OECD high income
Time (days)	417	518.03	518.03
Filing and service	45		
Trial and judgment	292		
Enforcement of judgment	80		
Cost (% of claim)	8.2	19.71	19.71
Attorney cost (% of claim)	5.9		
Court cost (% of claim)	2.1		
Enforcement Cost (% of claim)	0.1789		
Procedures (number)	27	31.42	31.42

Source: Doing Business database.

RESOLVING INSOLVENCY

A robust bankruptcy system functions as a filter, ensuring the survival of economically efficient companies and reallocating the resources of inefficient ones. Fast and cheap insolvency proceedings result in the speedy return of businesses to normal operation and increase returns to creditors. By improving the expectations of creditors and debtors about the outcome of insolvency proceedings, well-functioning insolvency systems can facilitate access to finance, save more viable businesses and thereby improve growth and sustainability in the economy overall.

What do the indicators cover?

Doing Business studies the time, cost and outcome of insolvency proceedings involving domestic entities. It does not measure insolvency proceedings of individuals and financial institutions. The data are derived from survey responses by local insolvency practitioners and verified through a study of laws and regulations as well as public information on bankruptcy systems.

The ranking on the ease of resolving insolvency is based on the recovery rate, which is recorded as cents on the dollar recouped by creditors through reorganization, liquidation or debt enforcement (foreclosure) proceedings. The recovery rate is a function of time, cost and other factors, such as lending rate and the likelihood of the company continuing to operate.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the case. It assumes that the company:

- Is a domestically owned, limited liability company operating a hotel.
- Operates in the economy's largest business city.
- Has 201 employees, 1 main secured creditor and 50 unsecured creditors.
- Has a higher value as a going concern—and the efficient outcome is either reorganization or sale as a going concern, not piecemeal liquidation.

WHAT THE RESOLVING INSOLVENCY INDICATORS MEASURE

Time required to recover debt (years)

Measured in calendar years

Appeals and requests for extension are included

Cost required to recover debt (% of debtor's estate)

Measured as percentage of estate value

Court fees

Fees of insolvency administrators

Lawyers' fees

Assessors' and auctioneers' fees

Other related fees

Recovery rate for creditors (cents on the dollar)

Measures the cents on the dollar recovered by creditors

Present value of debt recovered

Official costs of the insolvency proceedings are deducted

Depreciation of furniture is taken into account

Outcome for the business (survival or not) affects the maximum value that can be recovered

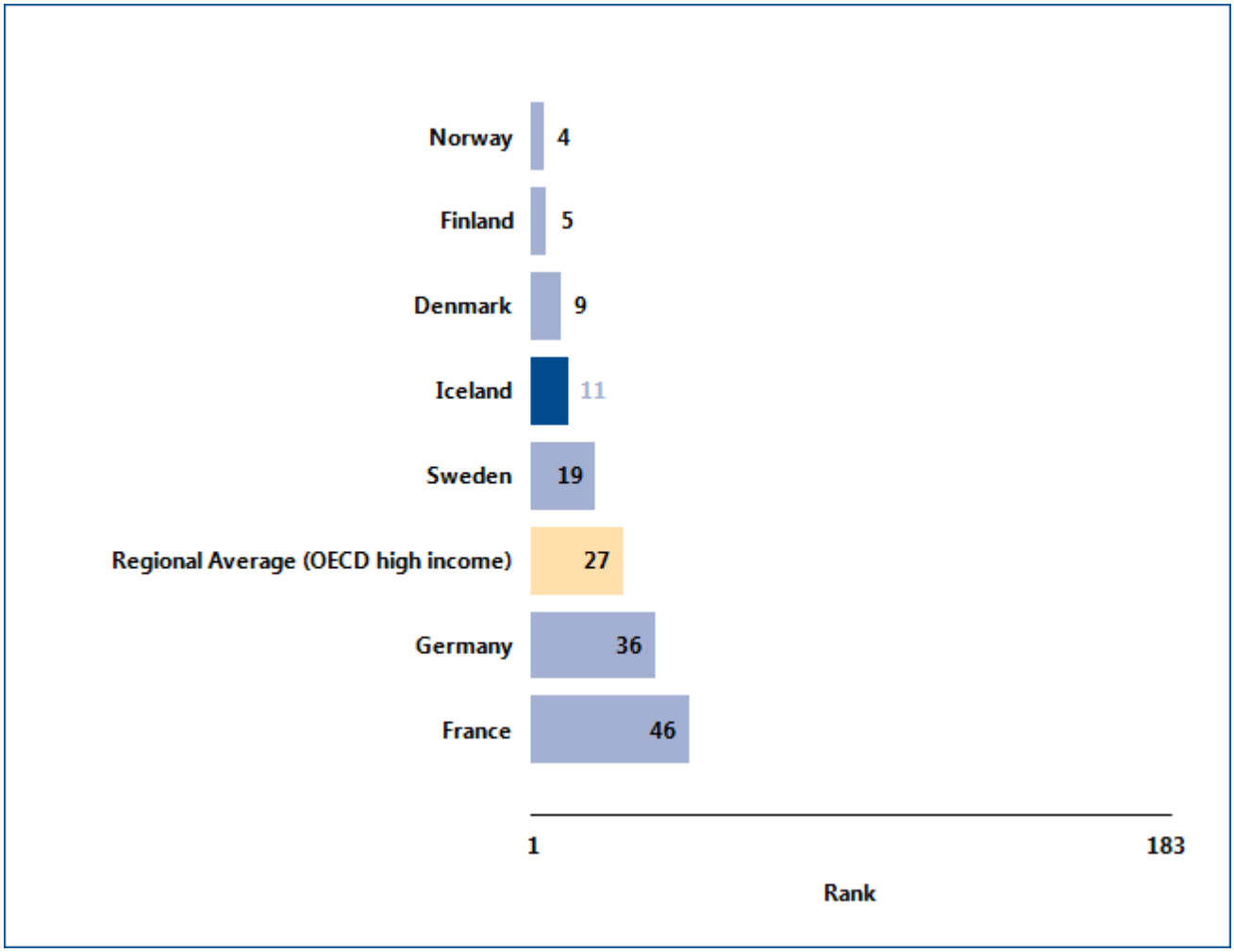
RESOLVING INSOLVENCY

Where does the economy stand today?

Speed, low costs and continuation of viable businesses characterize the top-performing economies. How efficient are insolvency proceedings in Iceland? According to data collected by *Doing Business*, resolving insolvency takes 1.0 years on average and costs 4% of the debtor's estate. The average recovery rate is 84.5 cents on the dollar.

Globally, Iceland stands at 11 in the ranking of 183 economies on the ease of resolving insolvency (figure 11.1). The rankings for comparator economies and the regional average ranking provide other useful benchmarks for assessing the efficiency of insolvency proceedings in Iceland.

Figure 11.1 How Iceland and comparator economies rank on the ease of resolving insolvency



Source: Doing Business database.

RESOLVING INSOLVENCY

What are the changes over time?

While the most recent *Doing Business* data reflect the efficiency of insolvency proceedings in Iceland today, data over time show where the efficiency has changed—and where it has not (table 11.1). That can help identify where the potential for improvement is greatest.

Table 11.1 The ease of resolving insolvency in Iceland over time
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	..	17	11
Time (years)	n.a.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cost (% of estate)	0	4	4	4	4	4	4	4	4
Recovery rate (cents on the dollar)	n.a.	81.7	81.7	79.7	80.3	76.6	76.6	78.5	84.5

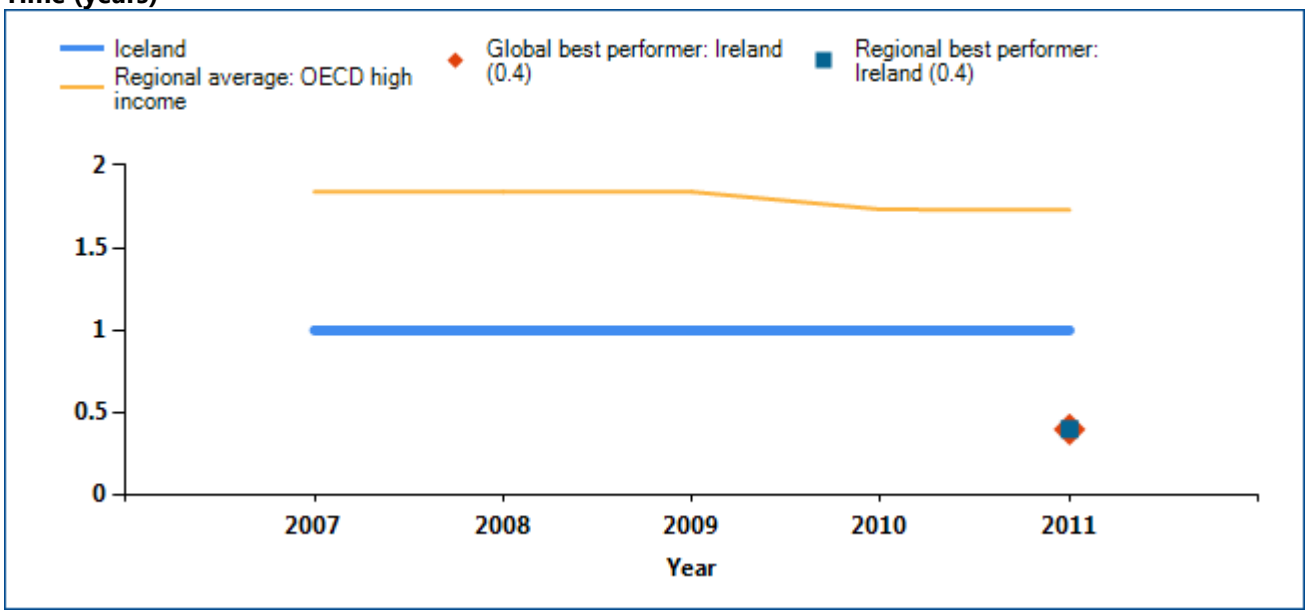
Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. "No practice" indicates that in each of the previous 5 years the economy had no cases involving a judicial reorganization, judicial liquidation or debt enforcement procedure (foreclosure). This means that creditors are unlikely to recover their money through a formal legal process (in or out of court). The recovery rate for "no practice" economies is 0.
Source: Doing Business database.

RESOLVING INSOLVENCY

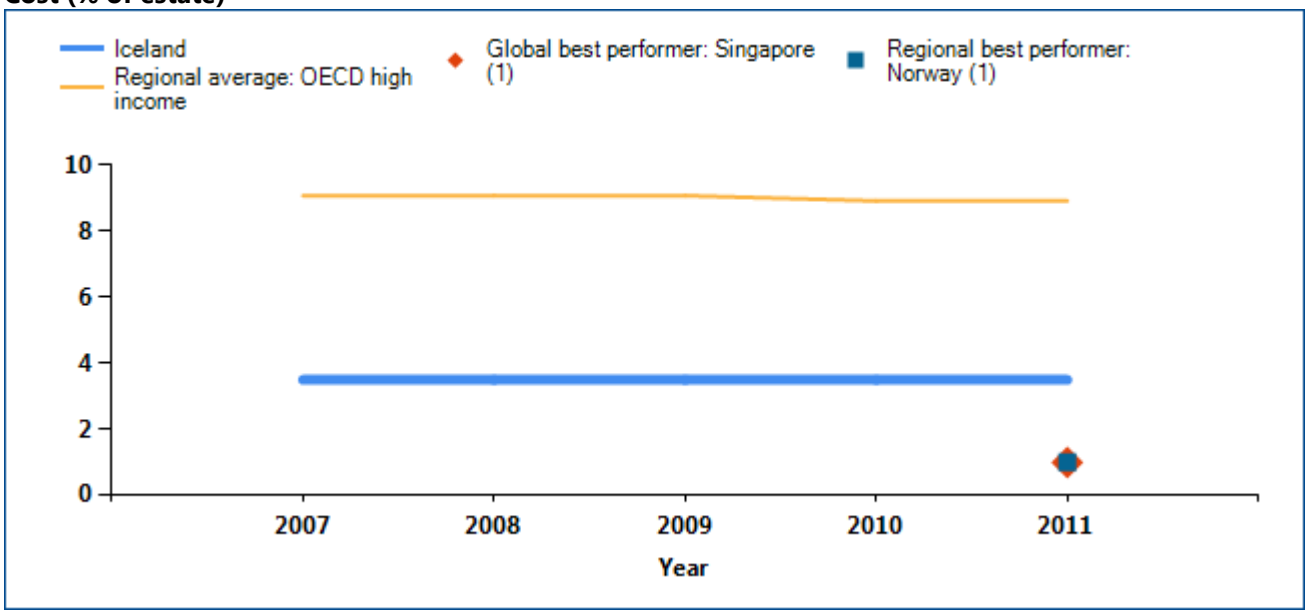
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the time or cost of insolvency proceedings or on the recovery rate (figure 11.2). These economies may provide a model for Iceland on ways to improve the efficiency of insolvency proceedings. And changes in regional averages can show where Iceland is keeping up—and where it is falling behind.

Figure 11.2 Has resolving insolvency become easier over time?

Time (years)

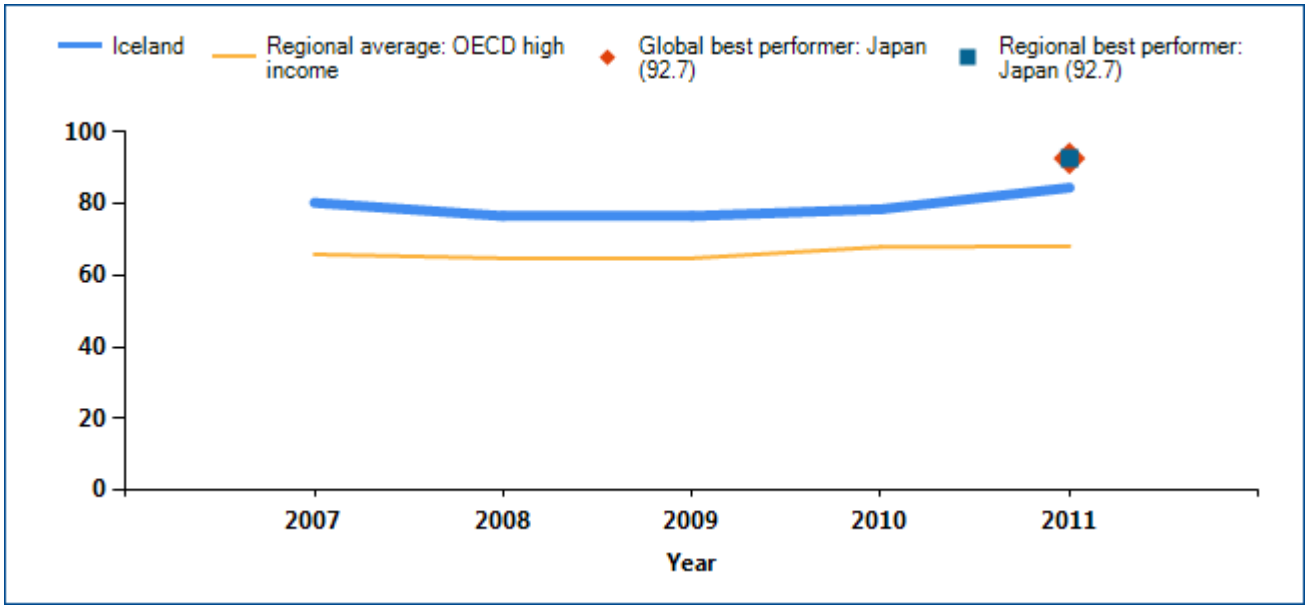


Cost (% of estate)



RESOLVING INSOLVENCY

Recovery rate (cents on the dollar)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a "no practice" mark; see the data notes for details.
Source: Doing Business database.

RESOLVING INSOLVENCY

A well-balanced bankruptcy system distinguishes companies that are financially distressed but economically viable from inefficient companies that should be liquidated. But in some insolvency systems even viable businesses are liquidated. This is starting to change. Many recent reforms of bankruptcy laws have been aimed at helping more of the viable businesses survive. What insolvency reforms has *Doing Business* recorded in Iceland (table 11.2)?

Table 11.2 How has Iceland made resolving insolvency easier—or not?
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at http://www.doingbusiness.org.
Source: Doing Business database.

DATA NOTES

The indicators presented and analyzed in *Doing Business* measure business regulation and the protection of property rights—and their effect on businesses, especially small and medium-size domestic firms. First, the indicators document the complexity of regulation, such as the number of procedures to start a business or to register and transfer commercial property. Second, they gauge the time and cost of achieving a regulatory goal or complying with regulation, such as the time and cost to enforce a contract, go through bankruptcy or trade across borders. Third, they measure the extent of legal protections of property, for example, the protections of investors against looting by company directors or the range of assets that can be used as collateral according to secured transactions laws. Fourth, a set of indicators documents the tax burden on businesses. Finally, a set of data covers different aspects of employment regulation.

The data for all sets of indicators in *Doing Business 2012* are for June 2011.[3]

Methodology

The *Doing Business* data are collected in a standardized way. To start, the *Doing Business* team, with academic advisers, designs a questionnaire. The questionnaire uses a simple business case to ensure comparability across economies and over time—with assumptions about the legal form of the business, its size, its location and the nature of its operations. Questionnaires are administered through more than 9,028 local experts, including lawyers, business consultants, accountants, freight forwarders, government officials and other professionals routinely administering or advising on legal and regulatory requirements. These experts have several rounds of interaction with the *Doing Business* team, involving conference calls, written correspondence and visits by the team. For *Doing Business 2012* team members visited 40 economies to verify data and recruit respondents. The data from questionnaires are subjected to numerous rounds of verification, leading to revisions or expansions of the information collected.

[3] The data for paying taxes refer to January – December 2010.

ECONOMY CHARACTERISTICS

Gross national income (GNI) per capita

Doing Business 2012 reports 2010 income per capita as published in the World Bank's *World Development Indicators 2011*. Income is calculated using the Atlas method (current US$). For cost indicators expressed as a percentage of income per capita, 2010 GNI in U.S. dollars is used as the denominator. Data were not available from the World Bank for Afghanistan; Australia; The Bahamas; Bahrain; Brunei Darussalam; Canada; Cyprus; Djibouti; the Islamic Republic of Iran; Kuwait; New Zealand; Oman; Puerto Rico (territory of the United States); Qatar; Saudi Arabia; Suriname; Taiwan, China; the United Arab Emirates; West Bank and Gaza; and the Republic of Yemen. In these cases GDP or GNP per capita data and growth rates from the International Monetary Fund's World Economic Outlook database and the Economist Intelligence Unit were used.

Region and income group

Doing Business uses the World Bank regional and income group classifications, available at http://www.worldbank.org/data/countryclass. The World Bank does not assign regional classifications to high-income economies. For the purpose of the *Doing Business* report, high-income OECD economies are assigned the "regional" classification *OECD high income*. Figures and tables presenting regional averages include economies from all income groups (low, lower middle, upper middle and high income).

Population

Doing Business 2012 reports midyear 2010 population statistics as published in *World Development Indicators 2011*.

The *Doing Business* methodology offers several advantages. It is transparent, using factual information about what laws and regulations say and allowing multiple interactions with local respondents to clarify potential misinterpretations of questions. Having representative samples of respondents is not an issue;

Doing Business is not a statistical survey, and the texts of the relevant laws and regulations are collected and answers checked for accuracy. The methodology is inexpensive and easily replicable, so data can be collected in a large sample of economies. Because standard assumptions are used in the data collection, comparisons and benchmarks are valid across economies. Finally, the data not only highlight the extent of specific regulatory obstacles to business but also identify their source and point to what might be reformed.

Information on the methodology for each *Doing Business* topic can be found on the *Doing Business* website at http://www.doingbusiness.org/methodology/.

Limits to what is measured

The *Doing Business* methodology has 5 limitations that should be considered when interpreting the data. First, the collected data refer to businesses in the economy's largest business city and may not be representative of regulation in other parts of the economy. To address this limitation, subnational *Doing Business* indicators were created (see the section on subnational *Doing Business* indicators). Second, the data often focus on a specific business form—generally a limited liability company (or its legal equivalent) of a specified size—and may not be representative of the regulation on other businesses, for example, sole proprietorships. Third, transactions described in a standardized case scenario refer to a specific set of issues and may not represent the full set of issues a business encounters. Fourth, the measures of time involve an element of judgment by the expert respondents. When sources indicate different estimates, the time indicators reported in *Doing Business* represent the median values of several responses given under the assumptions of the standardized case.

Finally, the methodology assumes that a business has full information on what is required and does not waste time when completing procedures. In practice, completing a procedure may take longer if the business lacks information or is unable to follow up promptly. Alternatively, the business may choose to disregard some burdensome procedures. For both reasons the time delays reported in *Doing Business 2012* would differ from the recollection of entrepreneurs reported in the World Bank Enterprise Surveys or other perception surveys.

Subnational *Doing Business* indicators

This year *Doing Business* published a subnational study for the Philippines and a regional report for Southeast Europe covering 7 economies (Albania, Bosnia and Herzegovina, Kosovo, the former Yugoslav Republic of Macedonia, Moldova, Montenegro and Serbia) and 22 cities. It also published a city profile for Juba, in the Republic of South Sudan.

The subnational studies point to differences in business regulation and its implementation—as well as in the pace of regulatory reform—across cities in the same economy. For several economies subnational studies are now periodically updated to measure change over time or to expand geographic coverage to additional cities. This year that is the case for the subnational studies in the Philippines; the regional report in Southeast Europe; the ongoing studies in Italy, Kenya and the United Arab Emirates; and the projects implemented jointly with local think tanks in Indonesia, Mexico and the Russian Federation.

Besides the subnational *Doing Business* indicators, *Doing Business* conducted a pilot study this year on the second largest city in 3 large economies to assess within-country variations. The study collected data for Rio de Janeiro in addition to São Paulo in Brazil, for Beijing in addition to Shanghai in China and for St. Petersburg in addition to Moscow in Russia.

Changes in what is measured

The methodology for 3 of the *Doing Business* topics was updated this year—getting credit, dealing with construction permits and paying taxes.

First, for getting credit, the scoring of one of the 10 components of the strength of legal rights index was amended to recognize additional protections of secured creditors and borrowers. Previously the highest score of 1 was assigned if secured creditors were not subject to an automatic stay or moratorium on enforcement procedures when a debtor entered a court-supervised reorganization procedure. Now the highest score of 1 is also assigned if the law provides secured creditors with grounds for relief from an

automatic stay or moratorium (for example, if the movable property is in danger) or sets a time limit for the automatic stay.

Second, because the ease of doing business index now includes the getting electricity indicators, procedures, time and cost related to obtaining an electricity connection were removed from the dealing with construction permits indicators.

Third, a threshold has been introduced for the total tax rate for the purpose of calculating the ranking on the ease of paying taxes. All economies with a total tax rate below the threshold (which will be calculated and adjusted on a yearly basis) will now receive the same ranking on the total tax rate indicator. The threshold is not based on any underlying theory. Instead, it is meant to emphasize the purpose of the indicator: to highlight economies where the tax burden on business is high relative to the tax burden in other economies. Giving the same ranking to all economies whose total tax rate is below the threshold avoids awarding economies in the scoring for having an unusually low total tax rate, often for reasons unrelated to government policies toward enterprises. For example, economies that are very small or that are rich in natural resources do not need to levy broad-based taxes.

Data challenges and revisions

Most laws and regulations underlying the *Doing Business* data are available on the *Doing Business* website at http://www.doingbusiness.org. All the sample questionnaires and the details underlying the indicators are also published on the website. Questions on the methodology and challenges to data can be submitted through the website's "Ask a Question" function at http://www.doingbusiness.org.

Ease of doing business and distance to frontier

This year's report presents results for 2 aggregate measures: the aggregate ranking on the ease of doing business and a new measure, the "distance to frontier." While the ease of doing business ranking compares economies with one another at a point in time, the distance to frontier measure shows how much the regulatory environment for local entrepreneurs in each economy has changed over time.

Ease of doing business

The ease of doing business index ranks economies from 1 to 183. For each economy the ranking is calculated as the simple average of the percentile rankings on each of the 10 topics included in the index in *Doing Business 2012*: starting a business, dealing with construction permits, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts, resolving insolvency and, new this year, getting electricity. The employing workers indicators are not included in this year's aggregate ease of doing business ranking. In addition to this year's ranking, *Doing Business* presents a comparable ranking for the previous year, adjusted for any changes in methodology as well as additions of economies or topics.[4]

Construction of the ease of doing business index

Here is one example of how the ease of doing business index is constructed. In the Republic of Korea it takes 5 procedures, 7 days and 14.6% of annual income per capita in fees to open a business. There is no minimum capital required. On these 4 indicators Korea ranks in the 18th, 14th, 53rd and 0 percentiles. So on average Korea ranks in the 21st percentile on the ease of starting a business. It ranks in the 12th percentile on getting credit, 25th percentile on paying taxes, 8th percentile on enforcing contracts, 7th percentile on resolving insolvency and so on. Higher rankings indicate simpler regulation and stronger protection of property rights. The simple average of Korea's percentile rankings on all topics is 21st. When all economies are ordered by their average percentile rankings, Korea stands at 8 in the aggregate ranking on the ease of doing business.

More complex aggregation methods—such as principal components and unobserved components—

[4] In case of revisions to the methodology or corrections to the underlying data, the data are back-calculated to provide a comparable time series since the year the relevant economy or topic was first included in the data set. The time series is available on the *Doing Business* website (http://www.doingbusiness.org). The *Doing Business* report publishes yearly rankings for the year of publication as well as the previous year to shed light on year-to-year developments. Six topics and more than 50 economies have been added since the inception of the project. Earlier rankings on the ease of doing business are therefore not comparable.

yield a ranking nearly identical to the simple average used by *Doing Business*.[5] Thus, *Doing Business* uses the simplest method: weighting all topics equally and, within each topic, giving equal weight to each of the topic components.[6]

If an economy has no laws or regulations covering a specific area—for example, insolvency—it receives a "no practice" mark. Similarly, an economy receives a "no practice" or "not possible" mark if regulation exists but is never used in practice or if a competing regulation prohibits such practice. Either way, a "no practice" mark puts the economy at the bottom of the ranking on the relevant indicator.

The ease of doing business index is limited in scope. It does not account for an economy's proximity to large markets, the quality of its infrastructure services (other than services related to trading across borders and getting electricity), the strength of its financial system, the security of property from theft and looting, its macroeconomic conditions or the strength of underlying institutions.

Variability of economies' rankings across topics

Each indicator set measures a different aspect of the business regulatory environment. The rankings of an economy can vary, sometimes significantly, across indicator sets. The average correlation coefficient between the 10 indicator sets included in the aggregate ranking is 0.36, and the coefficients between any 2 sets of indicators range from 0.17 (between protecting investors and getting electricity) to 0.57 (between starting a business and protecting investors). These correlations suggest that economies rarely score universally well or universally badly on the indicators.

Consider the example of Canada. It stands at 12 in the aggregate ranking on the ease of doing business. Its ranking is 3 on both starting a business and resolving insolvency, and 5 on protecting investors. But its ranking is only 59 on enforcing contracts, 42 on trading across borders and 156 on getting electricity.

Variation in performance across the indicator sets is not at all unusual. It reflects differences in the degree of priority that government authorities give to particular areas of business regulation reform and the ability of different government agencies to deliver tangible results in their area of responsibility.

Economies that improved the most across 3 or more Doing Business topics in 2010/11

Doing Business 2012 uses a simple method to calculate which economies improved the most in the ease of doing business. First, it selects the economies that in 2010/11 implemented regulatory reforms making it easier to do business in 3 or more of the 10 topics included in this year's ease of doing business ranking.[7] Thirty economies meet this criterion: Armenia, Burkina Faso, Burundi, Cape Verde, the Central African Republic, Chile, Colombia, the Democratic Republic of Congo, Côte d'Ivoire, The Gambia, Georgia, Korea, Latvia, Liberia, FYR Macedonia, Mexico, Moldova, Montenegro, Morocco, Nicaragua, Oman, Peru, Russia, São Tomé and Príncipe, Senegal, Sierra Leone, Slovenia, the Solomon Islands, South Africa and Ukraine. Second, *Doing Business* ranks these economies on the increase in their ranking on the ease of doing business from the previous year using comparable rankings.

Selecting the economies that implemented regulatory reforms in at least 3 topics and improved the most in the aggregate ranking is intended to highlight economies with ongoing, broad-based reform programs.

Distance to frontier measure

This year's report introduces a new measure to illustrate how the regulatory environment for local businesses in each economy has changed over time. The distance to frontier measure illustrates the distance of an economy to the "frontier" and shows

[5] See Simeon Djankov, Darshini Manraj, Caralee McLiesh and Rita Ramalho, "*Doing Business* Indicators: Why Aggregate, and How to Do It" (World Bank, Washington, DC, 2005). Principal components and unobserved components methods yield a ranking nearly identical to that from the simple average method because both these methods assign roughly equal weights to the topics, since the pairwise correlations among indicators do not differ much. An alternative to the simple average method is to give different weights to the topics, depending on which are considered of more or less importance in the context of a specific economy.

[6] A technical note on the different aggregation and weighting methods is available on the *Doing Business* website (http://www.doingbusiness.org).

[7] *Doing Business* reforms making it more difficult to do business are subtracted from the total number of those making it easier to do business.

the extent to which the economy has closed this gap over time. The frontier is a score derived from the most efficient practice or highest score achieved on each of the component indicators in 9 *Doing Business* indicator sets (excluding the employing workers and getting electricity indicators) by any economy since 2005. In starting a business, for example, New Zealand has achieved the highest performance on the time (1 day), Canada and New Zealand on the number of procedures required (1), Denmark and Slovenia on the cost (0% of income per capita) and Australia on the paid-in minimum capital requirement (0% of income per capita).

Calculating the distance to frontier for each economy involves 2 main steps. First, individual indicator scores are normalized to a common unit. To do so, each of the 32 component indicators y is rescaled to $(y - \min)/(\max - \min)$, with the minimum value (min) representing the frontier—the highest performance on that indicator across all economies since 2005. Second, for each economy the scores obtained for individual indicators are aggregated through simple averaging into one distance to frontier score. An economy's distance to the frontier is indicated on a scale from 0 to 100, where 0 represents the frontier and 100 the lowest performance.

The difference between an economy's distance to frontier score in 2005 and its score in 2011 illustrates the extent to which the economy has closed the gap to the frontier over time.

The maximum (max) and minimum (min) observed values are computed for the 174 economies included in the *Doing Business* sample since 2005 and for all years (from 2005 to 2011). The year 2005 was chosen as the baseline for the economy sample because it was the first year in which data were available for the majority of economies (a total of 174) and for all 9 indicator sets included in the measure. To mitigate the effects of extreme outliers in the distributions of the rescaled data (very few economies need 694 days to complete the procedures to start a business, but many need 9 days), the maximum (max) is defined as the 95th percentile of the pooled data for all economies and all years for each indicator.

Take Colombia, which has a score of 0.21 on the distance to frontier measure for 2011. This score indicates that the economy is 21 percentage points away from the frontier constructed from the best performances across all economies and all years. Colombia was further from the frontier in 2005, with a score of 0.43. The difference between the scores shows an improvement over time.

RESOURCES ON THE *DOING BUSINESS* WEBSITE

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News on the *Doing Business* project
http://www.doingbusiness.org

Rankings
How economies rank—from 1 to 183
http://www.doingbusiness.org/rankings/

Reports
Access to *Doing Business* reports as well as subnational and regional reports, reform case studies and customized economy and regional profiles
http://www.doingbusiness.org/reports/

Methodology
The methodologies and research papers underlying *Doing Business*
http://www.doingbusiness.org/methodology/

Research
Abstracts of papers on *Doing Business* topics and related policy issues
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***Doing Business* reforms**
Short summaries of DB2012 business regulation reforms, lists of reforms since DB2008 and a ranking simulation tool
http://www.doingbusiness.org/reforms/

Historical data
Customized data sets since DB2004
http://www.doingbusiness.org/custom-query/

Law library
Online collection of business laws and regulations relating to business and gender issues
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