

Dashboard on scaling up green finance

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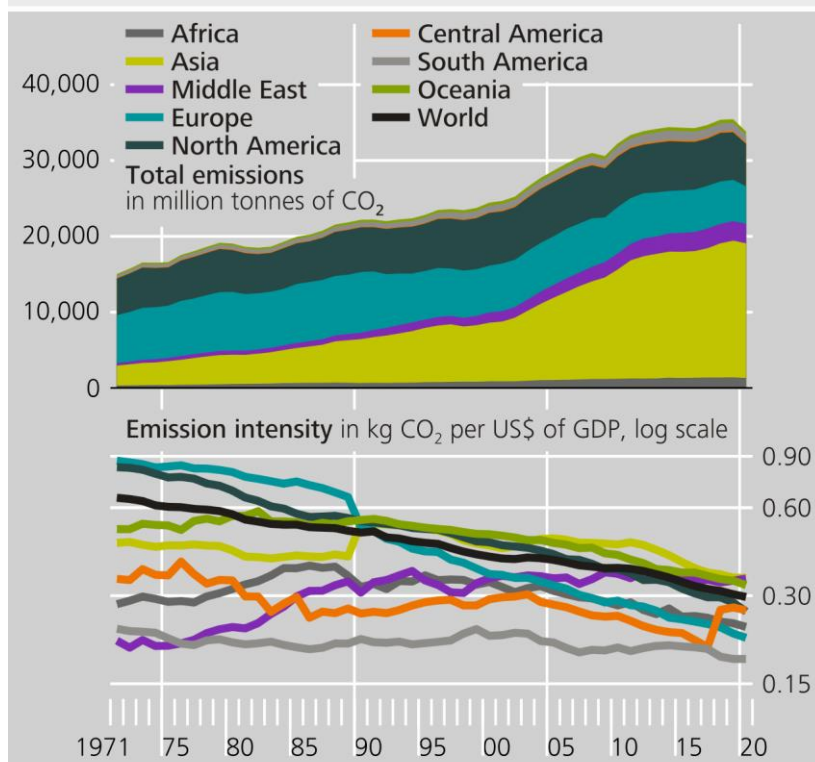
- The dashboard on scaling up green finance is based on a set of ideal indicators that makes it possible to **track and understand the greening of national financial systems**. It is a first attempt to catalogue desirable series that allow the **evolution, change and trend of a phenomenon** (rather than its absolute level) to be analysed.
- Furthermore, while the dashboard is presented at an aggregate level, it is intended for **use at the jurisdictional level**. To this end, the dashboard includes **graphs for aggregate regions** on the left and **basic metadata** on the right that **describe the country coverage and provide sources** where these data and further breakdowns can be found, i.e. links to mostly interactive websites.
- Possible sources of data were identified, at least partially, for **21 indicators**.
- The **dashboard including metadata with the [charts](#)** as separate graphics files and a **structured Excel file with the [source data](#)** for the charts is self-containing.
- The previous version of this Dashboard, published in March 2021, is available [here](#).

Dashboard on scaling up green finance

Dashboard on scaling up green finance	Real economy	¹ Carbon emissions ² Carbon pricing initiatives ³ Renewable energy consumption ⁴ Environmentally related tax revenue ⁵ Fossil fuel subsidies ⁶ Environmentally motivated subsidies ⁷ National expenditure on environmental protection
	Reporting	¹ Companies and other organisations committed to supporting TCFD ² TCFD-aligned market capitalisation and total assets
	Risk	¹ Natural resources rents ² Net forest depletion ³ Economic losses from climate-related extremes ⁴ Vulnerability to climate change and readiness to improve resilience
	Mobilisation	¹ Volumes of green bonds issued and maturing: Total ² Volumes of green bonds issued and maturing: Governments and supranationals ³ Volumes of green bonds issued and maturing: Financial institutions ⁴ Volumes of green bonds issued and maturing: Utilities and power generation companies ⁵ Volumes of social bonds issued and maturing: Total ⁶ Total global climate finance flows
	Regulation	¹ Responsible investment-related policy instruments
	Global initiatives	¹ Principles for Responsible Investment signatories

Carbon emissions

Carbon emissions



Source: Global Carbon Project.
Network for Greening the Financial System

Link: [Global Carbon Atlas](#)

Code: (Territorial)

Countries: 221

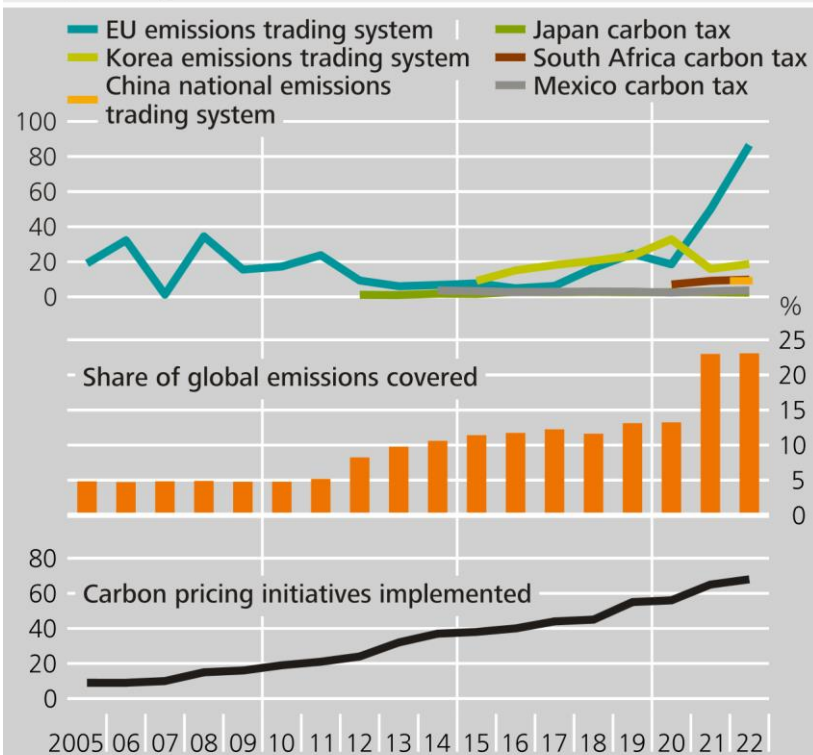
Periods: 1971 – 2020 (annual)

Comments: Carbon dioxide emissions attributed to the country in which they physically occur. Data for 2019 and 2020 preliminary.

Carbon pricing initiatives

Carbon pricing initiatives*

US\$ per t CO₂e



Source: World Bank. * Top 6 in terms of emissions covered.
Network for Greening the Financial System

Link: [Carbon Pricing Dashboard](#)

Code: (Implemented)

Countries: 46 (36 sub-national)

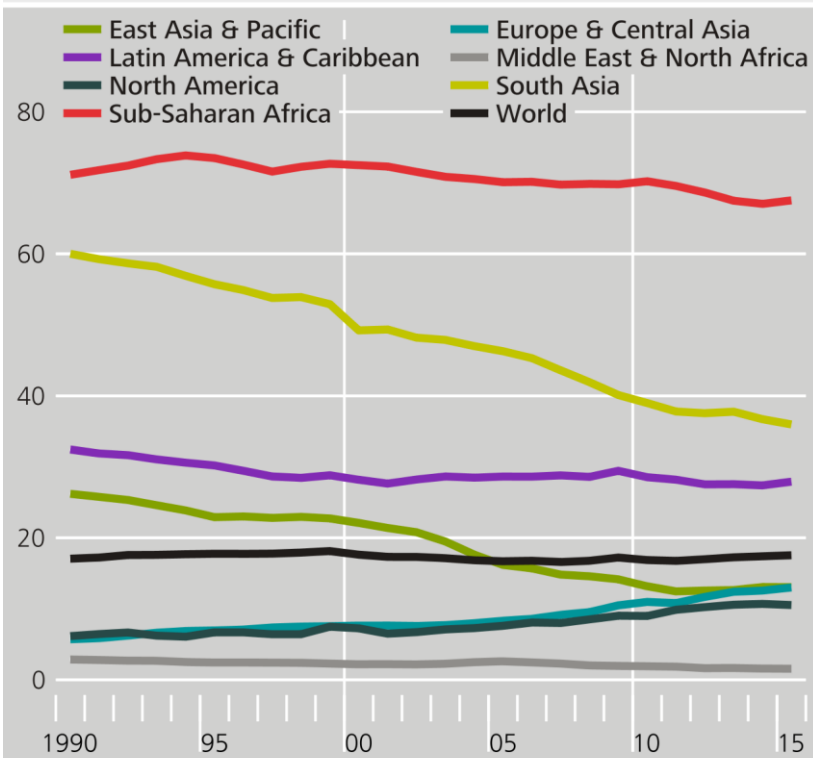
Periods: 1990 – 2022 (annual)

Comments: Prices not necessarily comparable across carbon pricing initiatives.

Renewable energy consumption

Renewable energy consumption

% of total



Source: World Bank.

Network for Greening the Financial System

Link: [World Development Indicators](#)

Code: EG.FEC.RNEW.ZS

Countries: 217

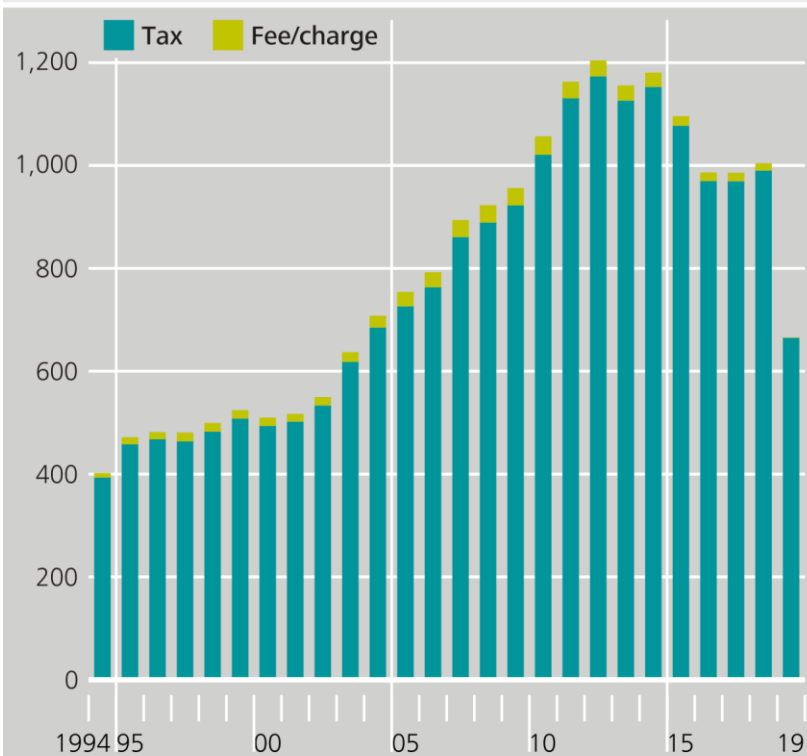
Periods: 1990 – 2015 (annual)

Comments: None.

Environmentally related tax revenue

Environmentally related tax revenue

US\$ billion



Source: OECD.

Network for Greening the Financial System

Link: [Policy Instruments for the Environment](#)

Code: (Taxes/Fees/Charges – Revenues generated)

Countries: 116

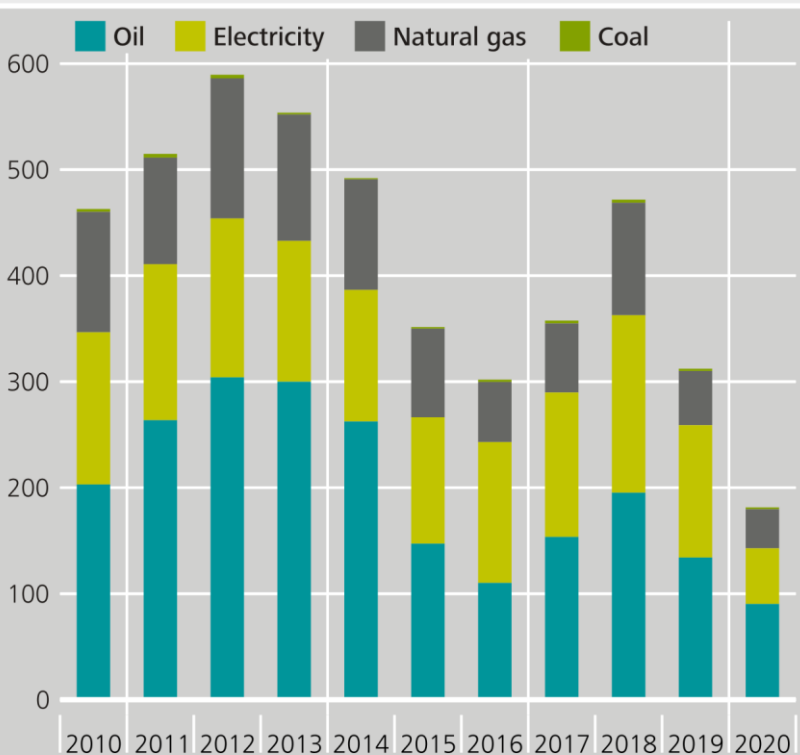
Periods: 1994 – 2020 (annual, microdata)

Comments: Chart as of March 2021 because of inconsistencies in exchange rates in the database in October 2022. Summary statistics available from the [OECD data warehouse](#) (code: ERTR).

Fossil fuel subsidies

Fossil fuel subsidies

US\$ billion, in 2020 prices



Source: IEA.

Network for Greening the Financial System

Link: [Fossil Fuel Subsidies](#)

Code: (Values)

Countries: 42

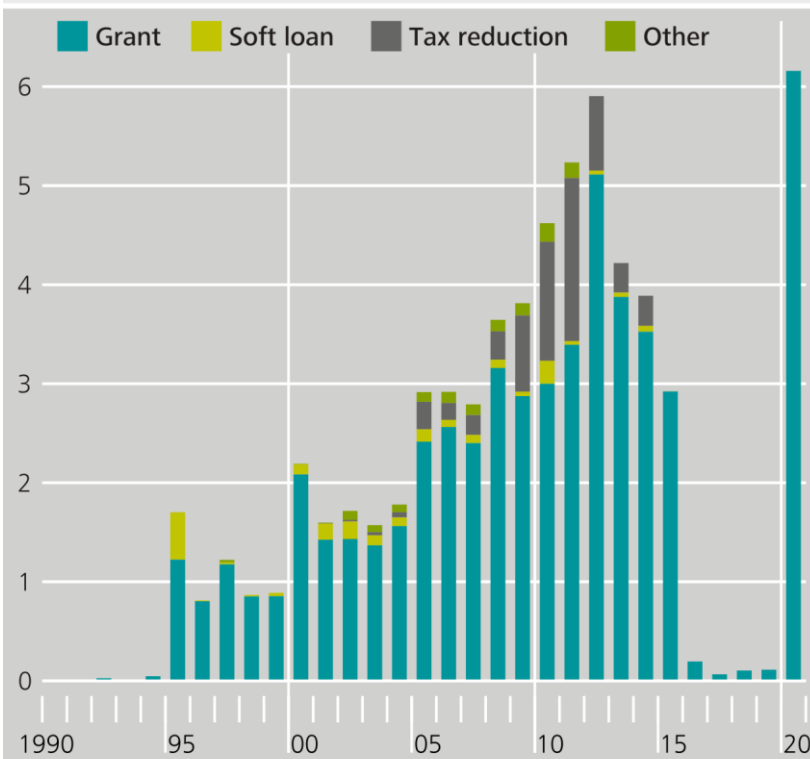
Periods: 2010 – 2020 (annual)

Comments: Complementary data available from the [OECD data warehouse](#) (code: FFS_INDICATOR_DETAILED).

Environmentally motivated subsidies

Environmentally motivated subsidies

€ billion



Source: OECD.

Network for Greening the Financial System

Link: [Policy Instruments for the Environment](#)

Code: (Environmental Subsidies – Annual cost)

Countries: 30

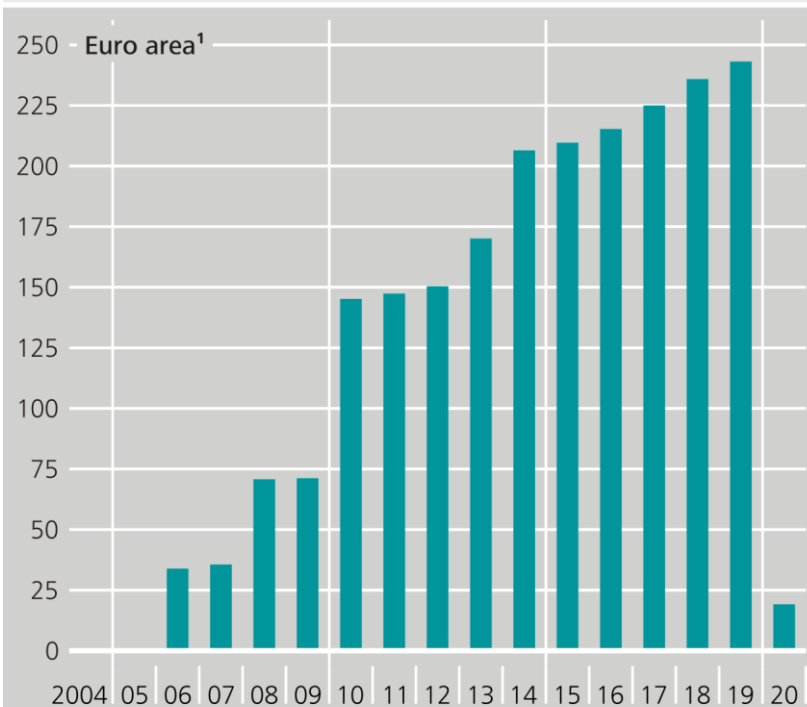
Periods: 1990 – 2020 (annual, microdata)

Comments: Database appears to be incomplete, particularly at the end (but also at the beginning).

Expenditure on environmental protection

National expenditure on environmental protection

€ billion



Source: OECD. ¹ Euro area excluding Cyprus and Malta.
Network for Greening the Financial System

Link: [Environmental Protection Expenditure Accounts](#)

Code: EPEA

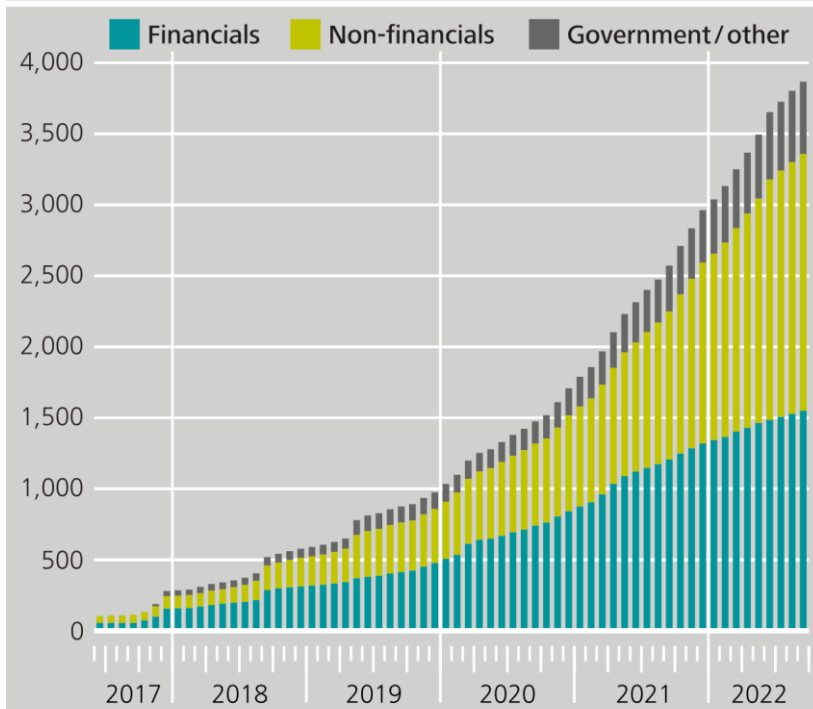
Countries: 27 (in national currency)

Periods: 2004 – 2020 (annual)

Comments: Database appears to be incomplete, except for the years 2014 to 2019.

TCFD supporters

Companies and other organisations
committed to supporting TCFD



Source: TCFD.

Network for Greening the Financial System

Link: [TCFD supporters](#)

Code: (Number of supporters)

Countries: 94

Periods: 2017 – 2022 (monthly, microdata)

Comments: None.

TCFD-aligned market cap and total assets

TCFD-aligned market capitalisation and total assets*

US\$ trillion



Source: TCFD. * Total assets of financial institutions.
Network for Greening the Financial System

Link: Not applicable

Code: Not applicable

Countries: Not applicable

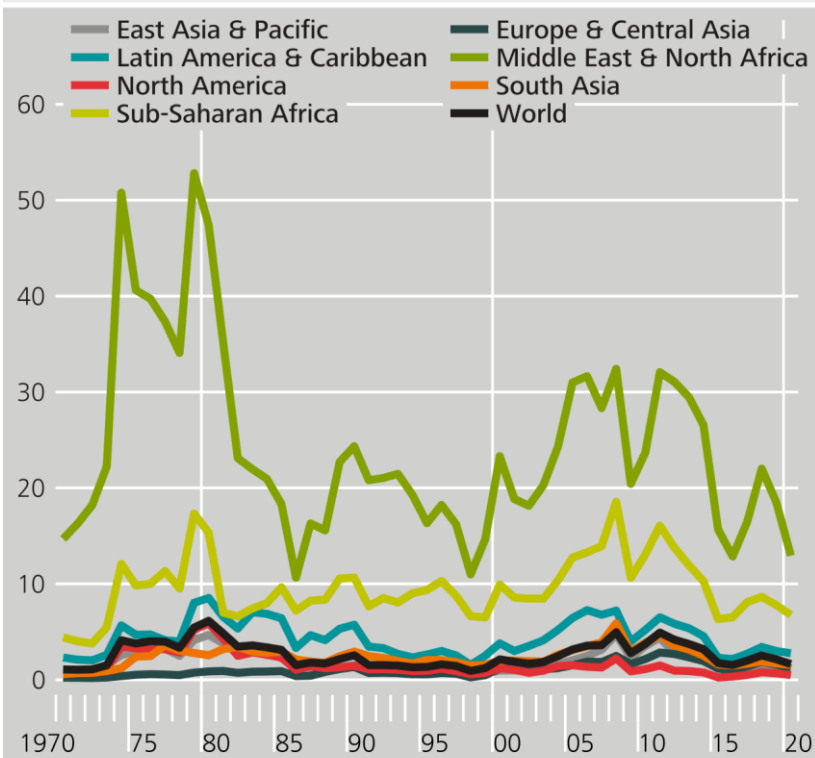
Periods: 2017 – 2021 (irregular)

Comments: Market capitalisation and total assets of financial institutions published irregularly in status reports and press releases.

Natural resources rents

Natural resources rents

% of GDP



Source: World Bank.

Network for Greening the Financial System

Link: [World Development Indicators](#)

Code: NY.GDP.TOTL.RT.ZS

Countries: 217

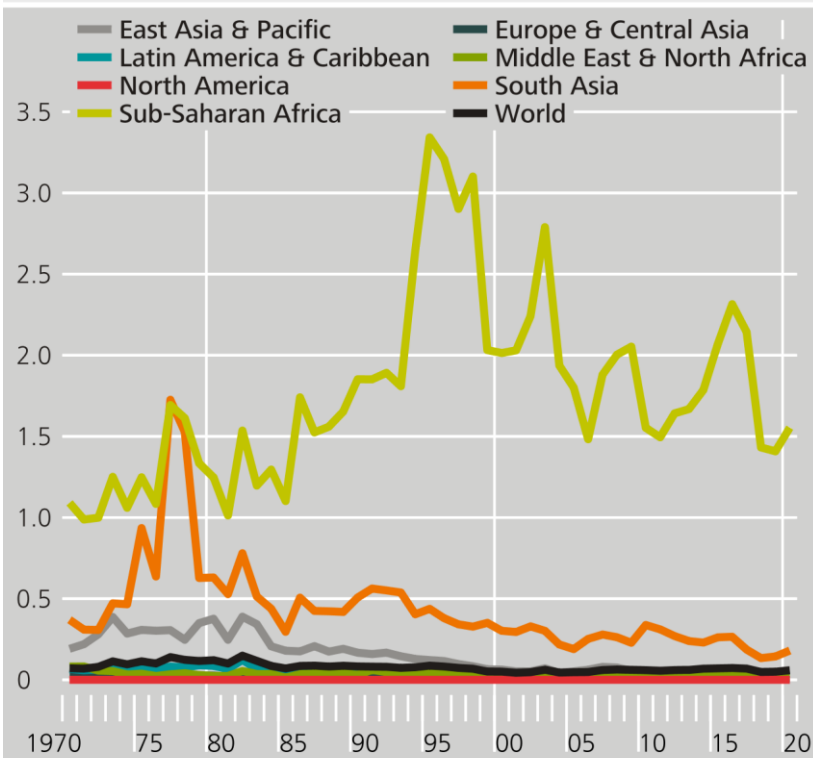
Periods: 1970 – 2020 (annual)

Comments: Sum of oil rents, natural gas rents, coal rents (hard and soft), mineral rents, and forest rents.

Net forest depletion

Net forest depletion

% of GNI



Source: World Bank.

Network for Greening the Financial System

Link: [World Development Indicators](#)

Code: NY.ADJ.DFOR.GN.ZS

Countries: 217

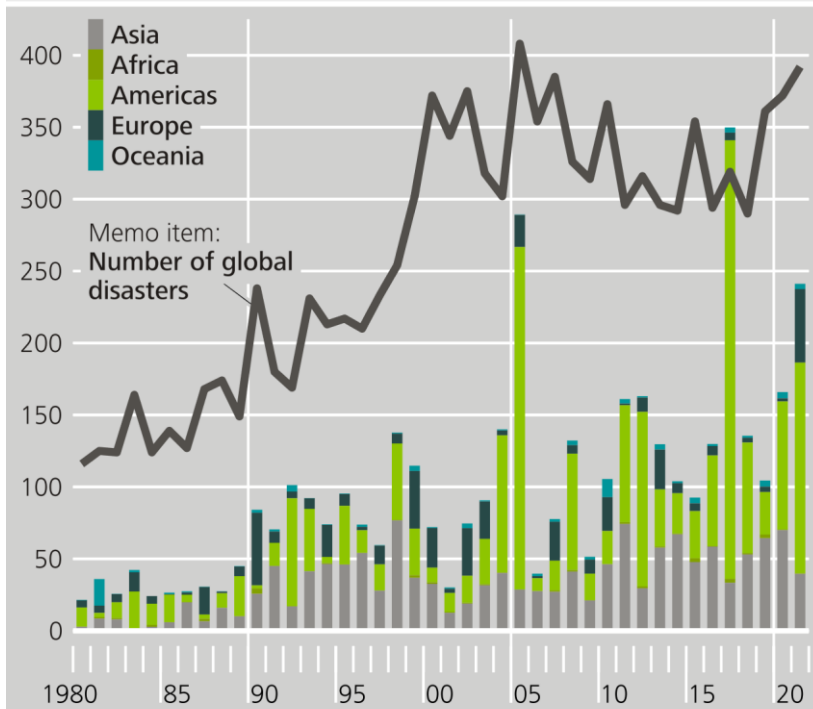
Periods: 1970 – 2020 (annual)

Comments: Calculated as the product of unit resource rents and the excess of roundwood harvest over natural growth.

Losses from climate-related extremes

Economic losses from climate-related extremes

US\$ billion, in 2021 prices



Source: UCLouvain.

Network for Greening the Financial System

Link: [EM-DAT database](#)

Code: (Natural disasters: meteorological, hydrological, climatological)

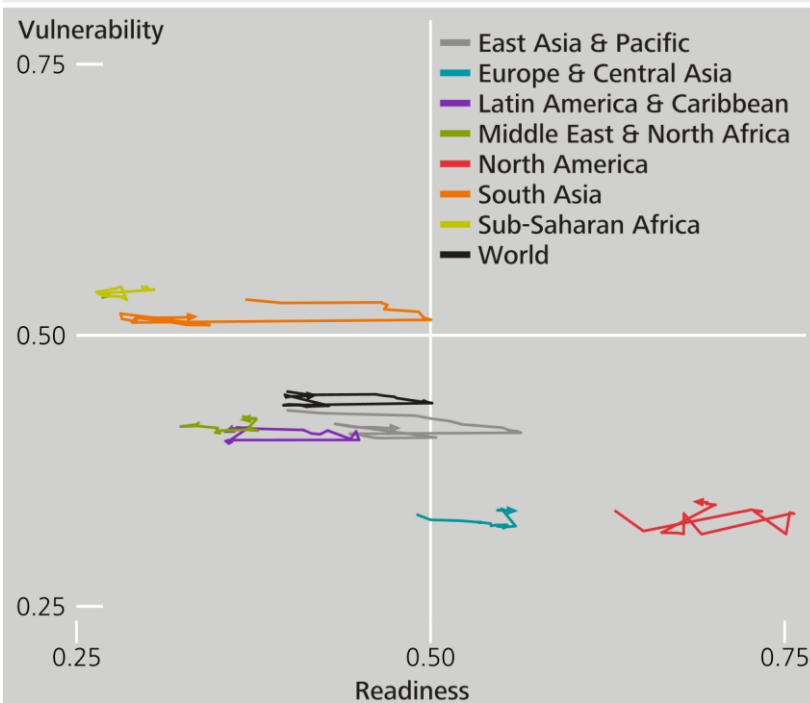
Countries: 225

Periods: 1900 – 2021 (microdata)

Comments: Database appears to be incomplete, in particular regarding insured losses, and unbalanced in coverage.

Vulnerability and readiness

Vulnerability to climate change and readiness to improve resilience*



Source: University of Notre Dame. * Trajectory from 1995 to 2019.
Network for Greening the Financial System

Link: [ND-GAIN Country Index](#)

Code: (Vulnerability, Readiness)

Countries: 192

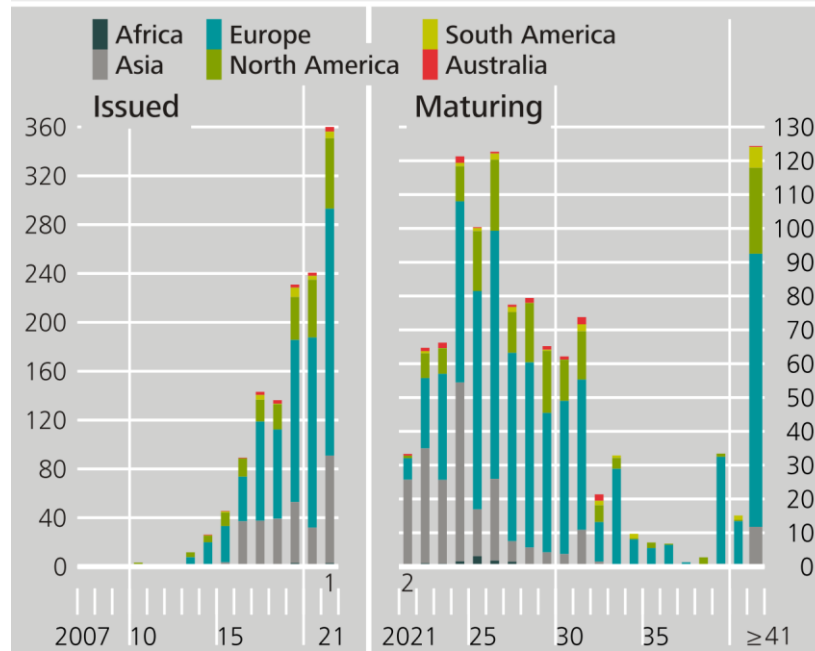
Periods: 1995 – 2020 (annual)

Comments: Index is a composite indicator. World Bank regional averages weighted by population. Last update of the chart in July 2022.

Green bonds: Total

Volumes of green bonds issued and maturing: Total*

€ billion



Source: Bloomberg. * Includes non-financial corporations other than utilities and power generation. 1 1 January to 1 October 2021. 2 1 October to 31 December 2021.

Network for Greening the Financial System

Link: [Global market for sustainable finance](#)

Code: Not applicable

Countries: 6 continents

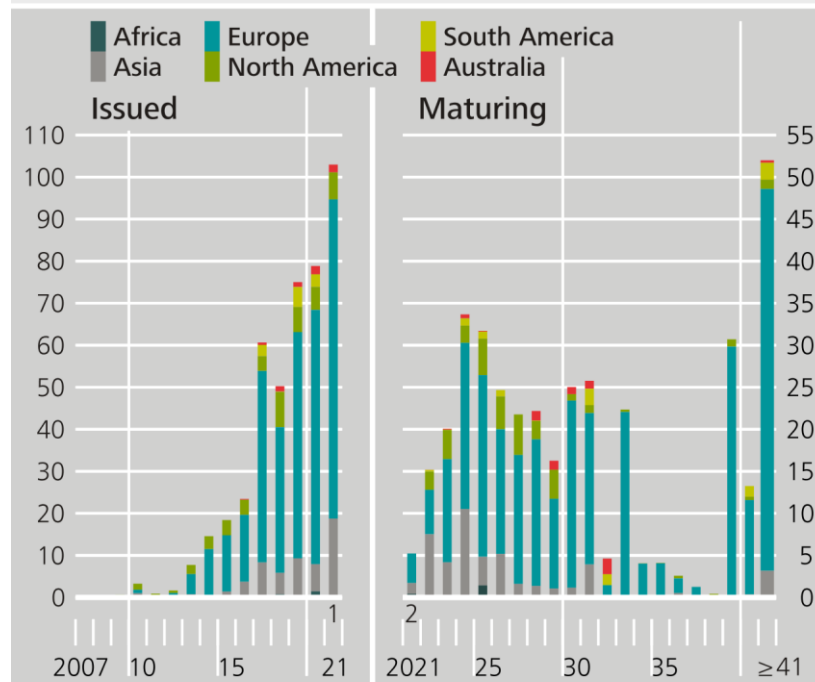
Periods: 2007 – 2021 (annual)

Comments: Labelling not perfectly aligned with the Green Bond Principles. Microdata can be sourced against a paid subscription.

Green bonds: Governments

Volumes of green bonds issued and maturing: Governments and supranationals*

€ billion



Source: Bloomberg. * Includes development banks. 1 1 January to 1 October 2021. 2 1 October to 31 December 2021.

Network for Greening the Financial System

Link: [Global market for sustainable finance](#)

Code: Not applicable

Countries: 6 continents

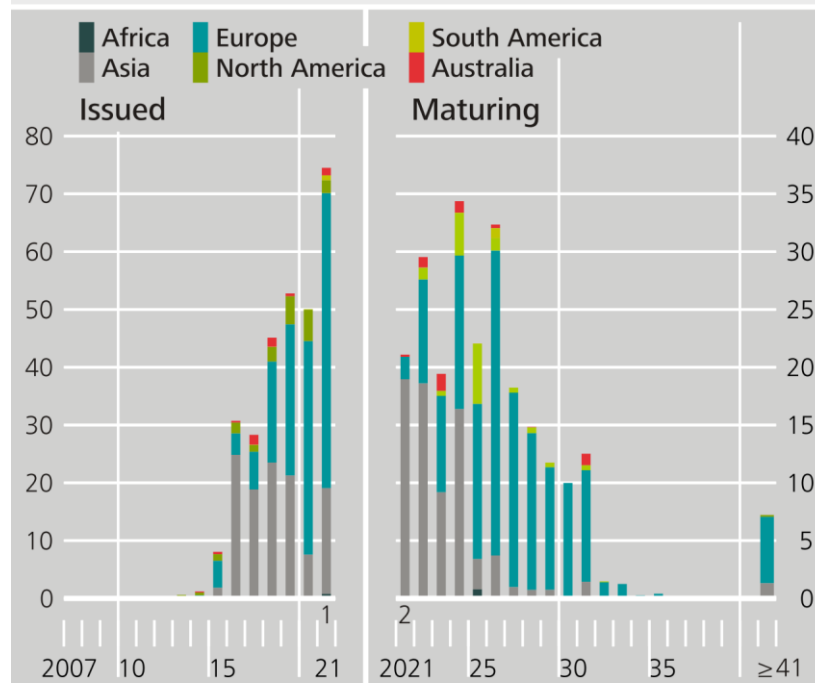
Periods: 2007 – 2021 (annual)

Comments: Labelling not perfectly aligned with the Green Bond Principles. Microdata can be sourced against a paid subscription.

Green bonds: Financial institutions

Volumes of green bonds issued and maturing: Financial institutions

€ billion



Source: Bloomberg. 1 1 January to 1 October 2021. 2 1 October to 31 December 2021.

Network for Greening the Financial System

Link: [Global market for sustainable finance](#)

Code: Not applicable

Countries: 6 continents

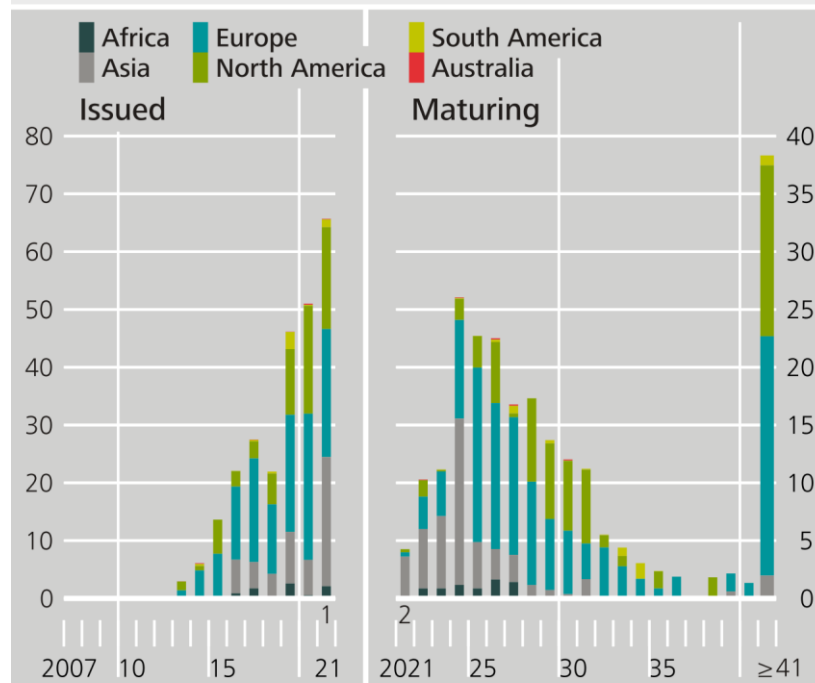
Periods: 2007 – 2021 (annual)

Comments: Labelling not perfectly aligned with the Green Bond Principles. Microdata can be sourced against a paid subscription.

Green bonds: Utilities & power generation

Volumes of green bonds issued and maturing: Utilities and power generation

€ billion



Source: Bloomberg. **1** 1 January to 1 October 2021. **2** 1 October to 31 December 2021.

Network for Greening the Financial System

Link: [Global market for sustainable finance](#)

Code: Not applicable

Countries: 6 continents

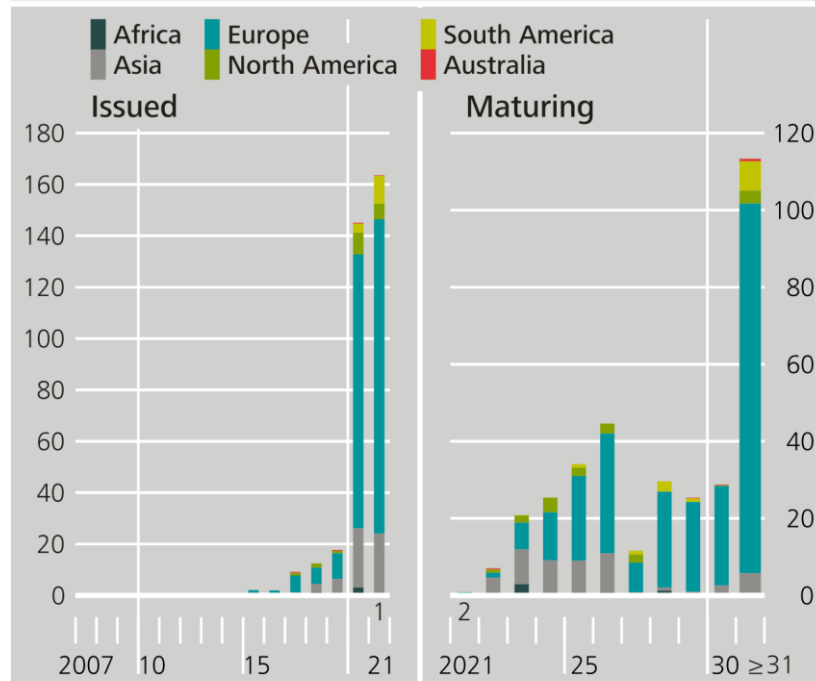
Periods: 2007 – 2021 (annual)

Comments: Labelling not perfectly aligned with the Green Bond Principles. Microdata can be sourced against a paid subscription.

Social bonds: Total

Volumes of social bonds issued and maturing: Total

€ billion



Source: Bloomberg. 1 1 January to 1 October 2021. 2 1 October to 31 December 2021.

Network for Greening the Financial System

Link: [Global market for sustainable finance](#)

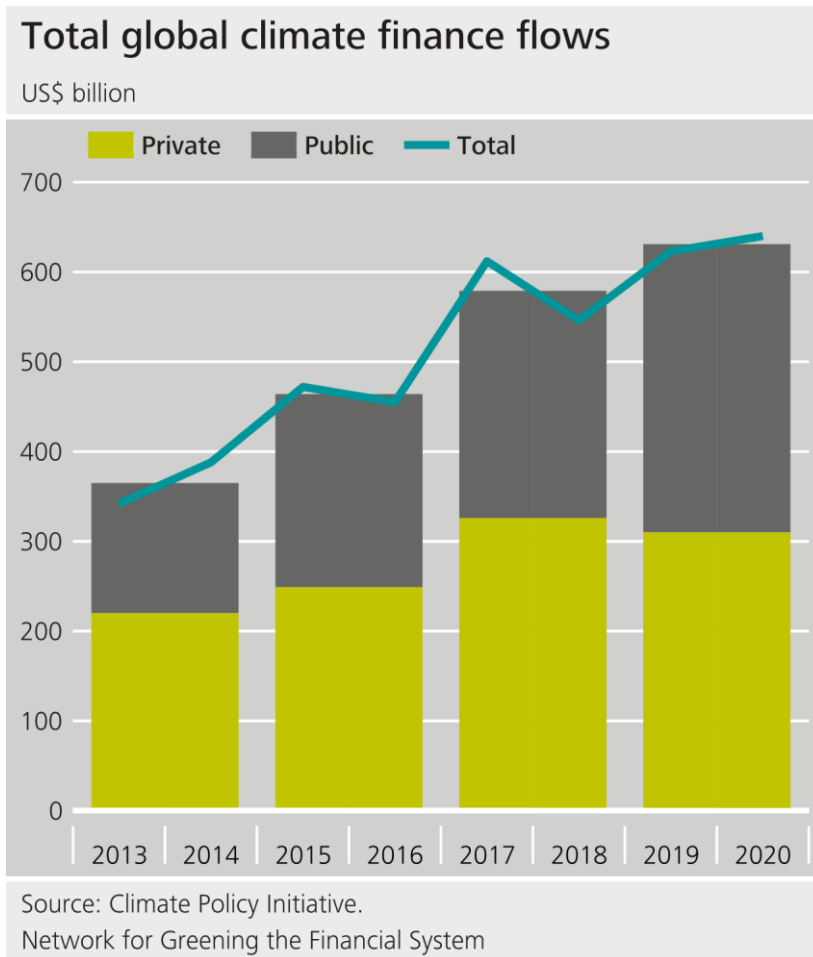
Code: Not applicable

Countries: 6 continents

Periods: 2007 – 2021 (annual)

Comments: Labelling not perfectly aligned with the Social Bond Principles. Microdata can be sourced against a paid subscription.

Total global climate finance flows



Link: [Global Landscape of Climate Finance](#)

Code: Not applicable

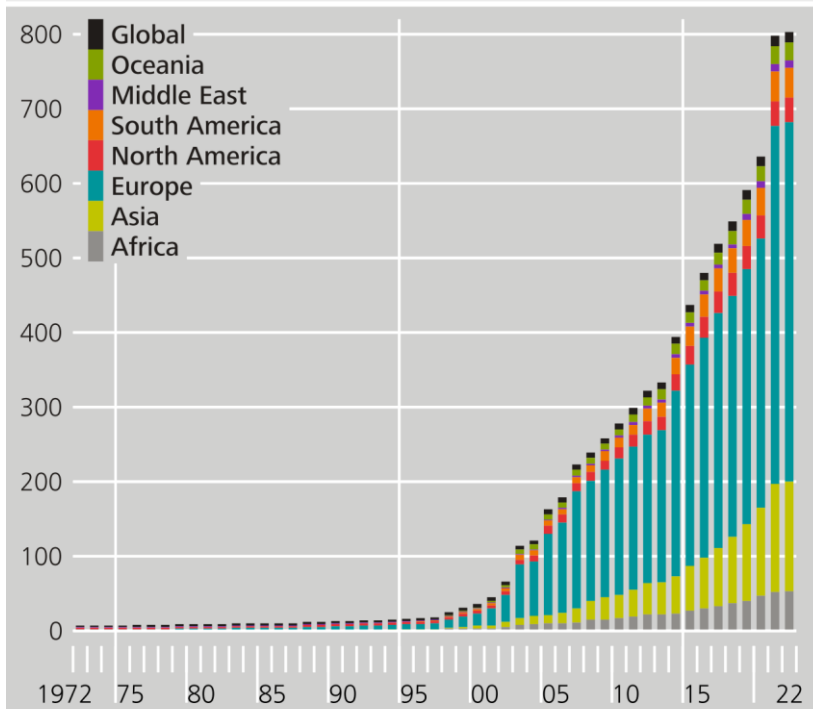
Countries: 10 regions

Periods: 2013 – 2020 (biennial/annual)

Comments: Selected further aggregates are available for actor breakdowns, uses, and instruments.

PRI regulations

Responsible investment-related policy instruments



Source: PRI.

Network for Greening the Financial System

Link: [PRI regulation database](#)

Code: (Policy Status: Issued)

Countries: 84

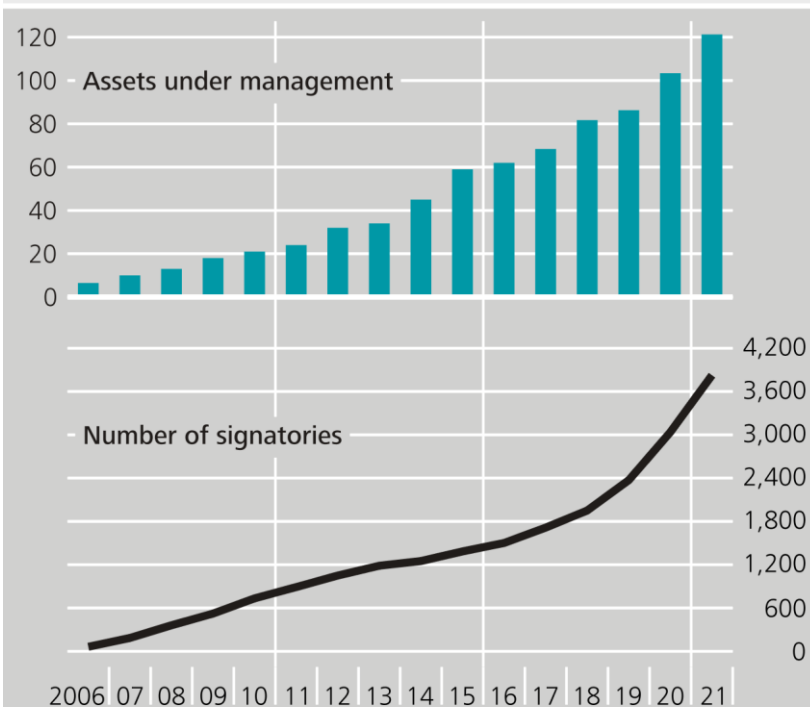
Periods: 1930 – 2022 (microdata)

Comments: Data grouped by type of policy; who has issued it; who it is applicable to; and whether it is voluntary or mandatory.

PRI signatories

Principles for Responsible Investment signatories

US\$ trillion



Source: PRI.

Network for Greening the Financial System

Link: [About the PRI](#)

Code: (Total)

Countries: 80

Periods: 2006 – 2021 (annual)

Comments: Daily microdata on PRI signatories available from the [PRI signatory directory](#).