

CLIMATESCOPE



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Bloomberg NEW ENERGY FINANCE

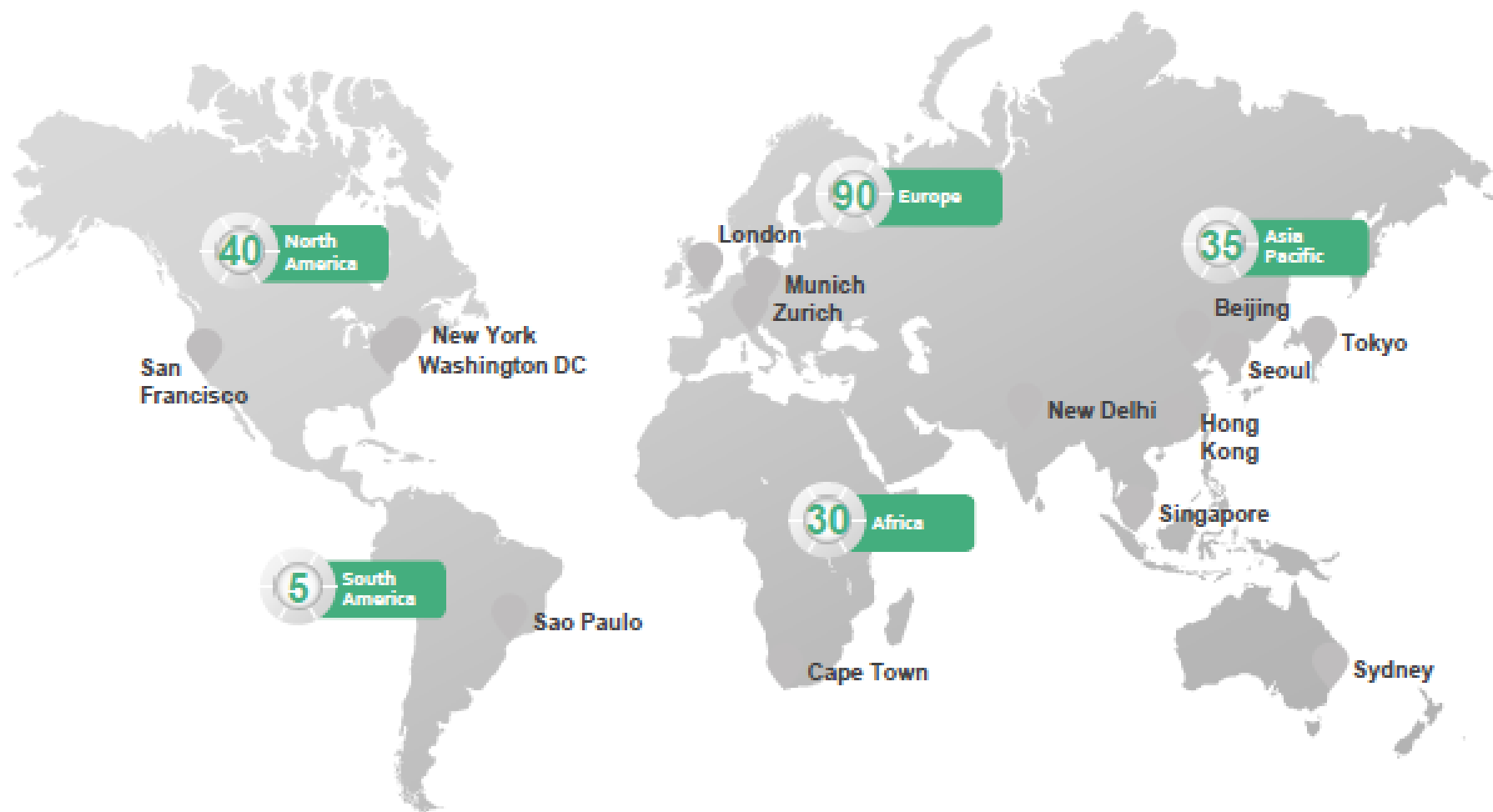
Since 2004

200 employees
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Generating over 700 Insight
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200 experts across six continents



Written research & analyst access to help you understand the future of energy

RENEWABLE ENERGY

Wind

Solar

Other¹

EMERGING TECHNOLOGIES

Energy Smart
Technologies²

Advanced
Transport³

MARKETS

Gas

Carbon & RECs

Power

Access to a
team of global
industry
experts

Vast library of
research on
key industry
issues and
trends

Continuously
updated views
on policy,
tech, etc.

Transparent
data sets and
analytical
tools

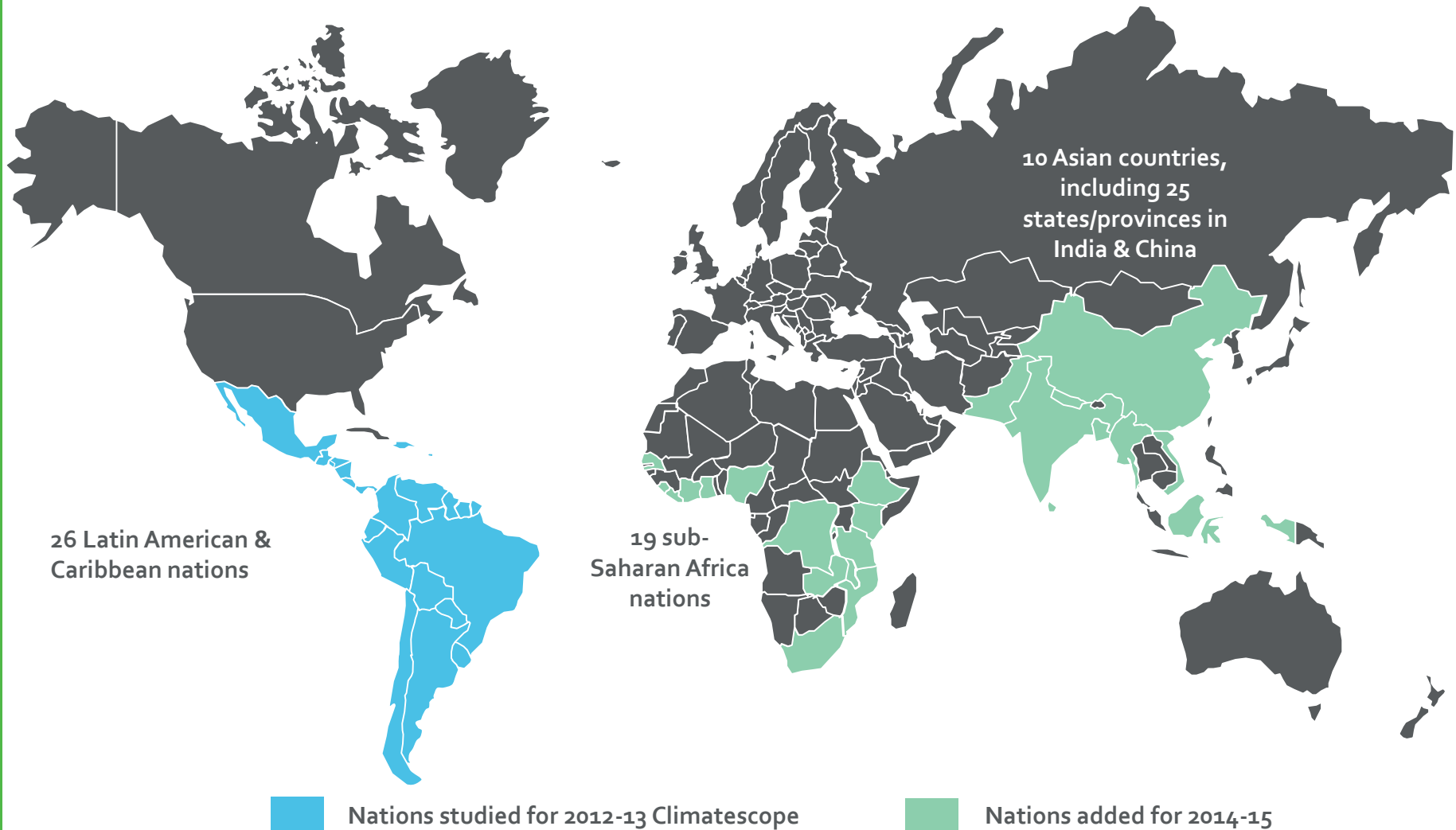
What is Climatescope?

- An initiative to provide timely, accurate, and actionable data that informs smart investment, corporate, and policy decision making. Ultimate goal: *mobilize capital for clean energy in emerging markets.*
- An index measuring relative conditions for clean energy development in specific nations with a system scoring those nations on a 0-5 basis.
- A comprehensive report providing detailed descriptions of policy frameworks, financial resources, and markets in developing countries.
- An interactive online tool allowing users to examine relevant data in greater depth through a graphical interface.
- A major new open-source data resource that NGOs, MDBs and others working in the low-carbon energy development / energy access field can download for use in their research.

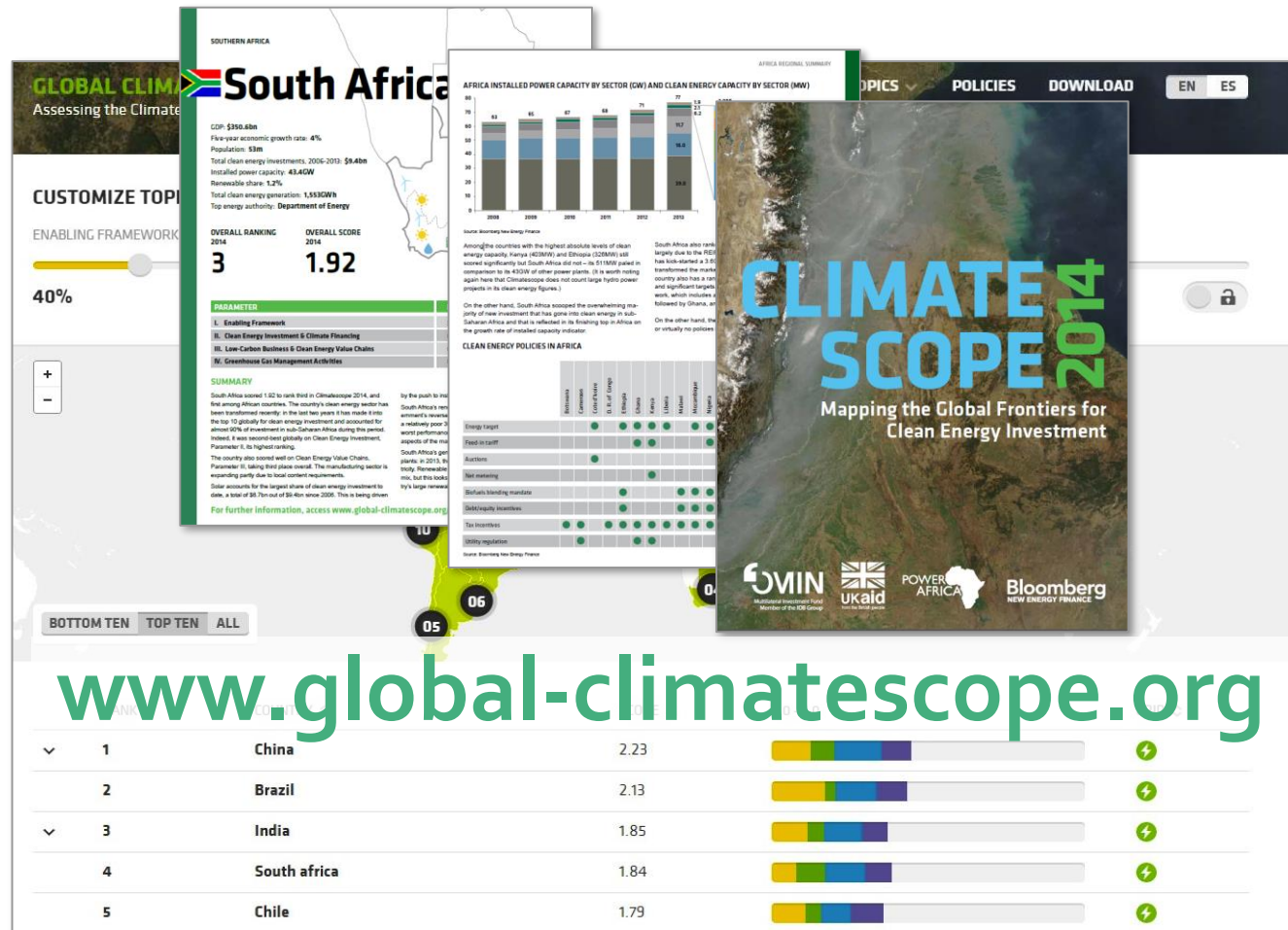
Climatescope to date

- 2011 Conceived and underwritten by the Multilateral Investment Fund of the Inter-American Development Bank Group (MIF/IADB), in cooperation with Bloomberg New Energy Finance (BNEF).
- 2012/2013 First two Climatescope reports and web tools released, focus on 26 Latin American and Caribbean nations.
- Oct. 22, 2014 Expanded Climatescope covering 55 nations in Latin America, sub-Saharan Africa, and Asia (including 25 India/China states/provinces) released. Underwriters: MIF/IADB, the UK Department for International Development (UK DFID) and US Agency for International Development's Power Africa initiative.
- Now Planning actively underway for Climatescope 2015 and beyond

Climatescope country coverage



Climatescope tools



Who uses Climatescope?

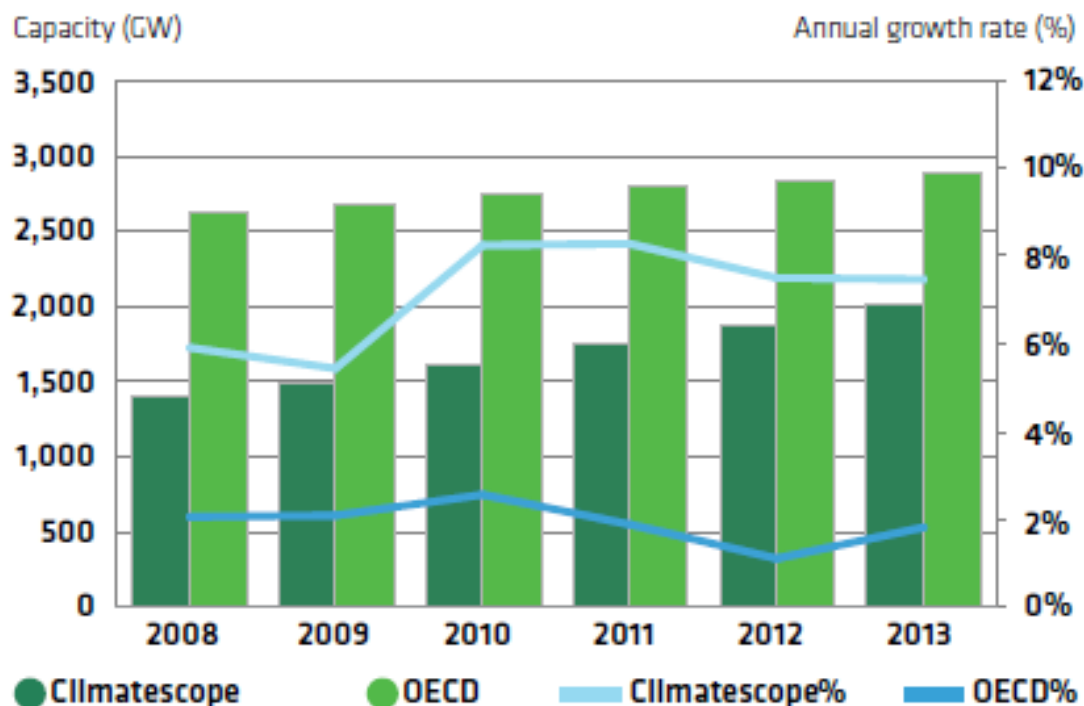
Stakeholders	Use Climatescope to...	Feedback
Policy-makers	Learn about policy best practices, successes/failures, and adjust accordingly.	Post-release of Climatescope 2012, Nicaragua's government convened a committee tasked with boosting the country's score in the survey – and succeeded the following year, by implementing more supportive clean energy policies.
Clean energy industry players	Gather information on electricity prices, clean energy penetration, capacity factors, availability of local finance and cost of capital	<i>"The report really helped us understand the clean energy environment in Latin America. There is little research like Climatescope available because these markets are so young, but it is critical to develop the sector and bring in outside investment."</i> – strategist, Chinese photovoltaic equipment maker Trina Solar
The media	Cited Global Climatescope for key information clean energy conditions in specific nations	Over 200 news stories published to date on Global Climatescopes 2014 in the Financial Times, Xinhua, The Economic Times of India, El Financiera, Canadian Broadcast Company, and many others.
NGOs and academics	Use the online tool to access the latest downloadable Climatescope datasets.	The World Bank, REN21, the Overseas Development Institute, and others have expressed interest in including Climatescope data in other research they are conducting
Clean energy users	Learn about renewable energy policies, gather information on availability of green micro loans, cost of green micro loans, and clean energy service providers	In the Bahamas, the results of the Climatescope prompted a reaction among renewable energy entrepreneurs demanding a more active role from the government in supporting renewables.

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KEY FINDINGS & RANKINGS

Climatescope vs. OECD countries total installed power generation capacity (GW) and growth (%), 2008-13

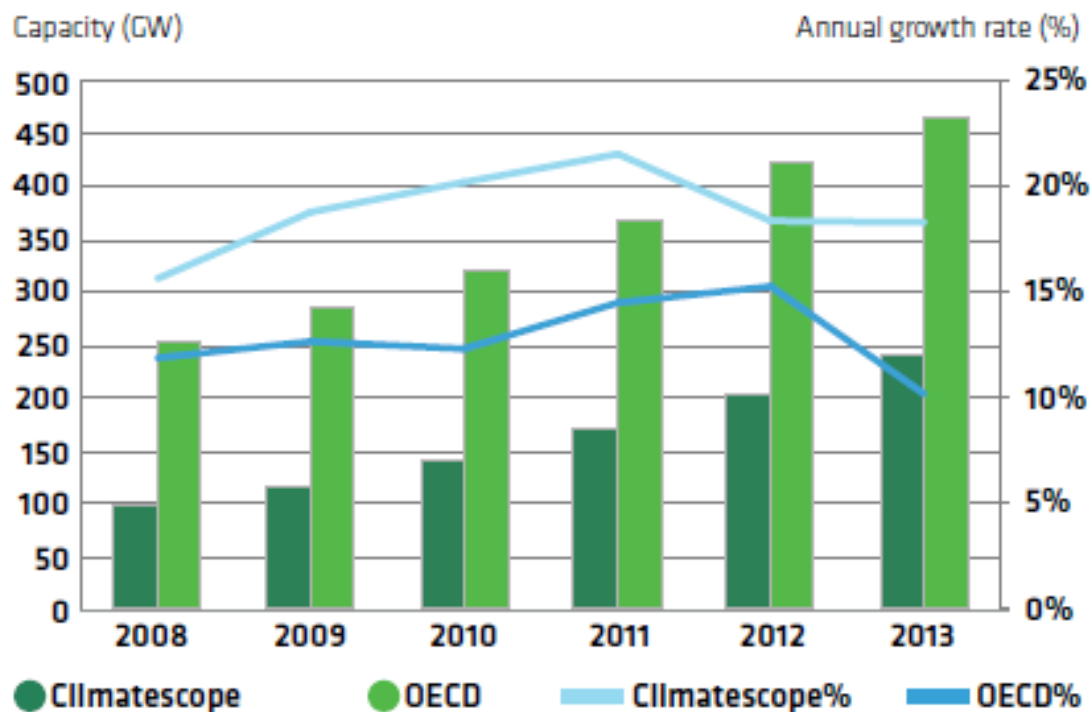
Demand for new power capacity is rising fastest in emerging markets



Source: Climatescope 2014

Climatescope vs. OECD countries clean energy installed capacity (GW) and growth (%), 2008-13

Demand for new *clean energy* is rising fastest in emerging markets

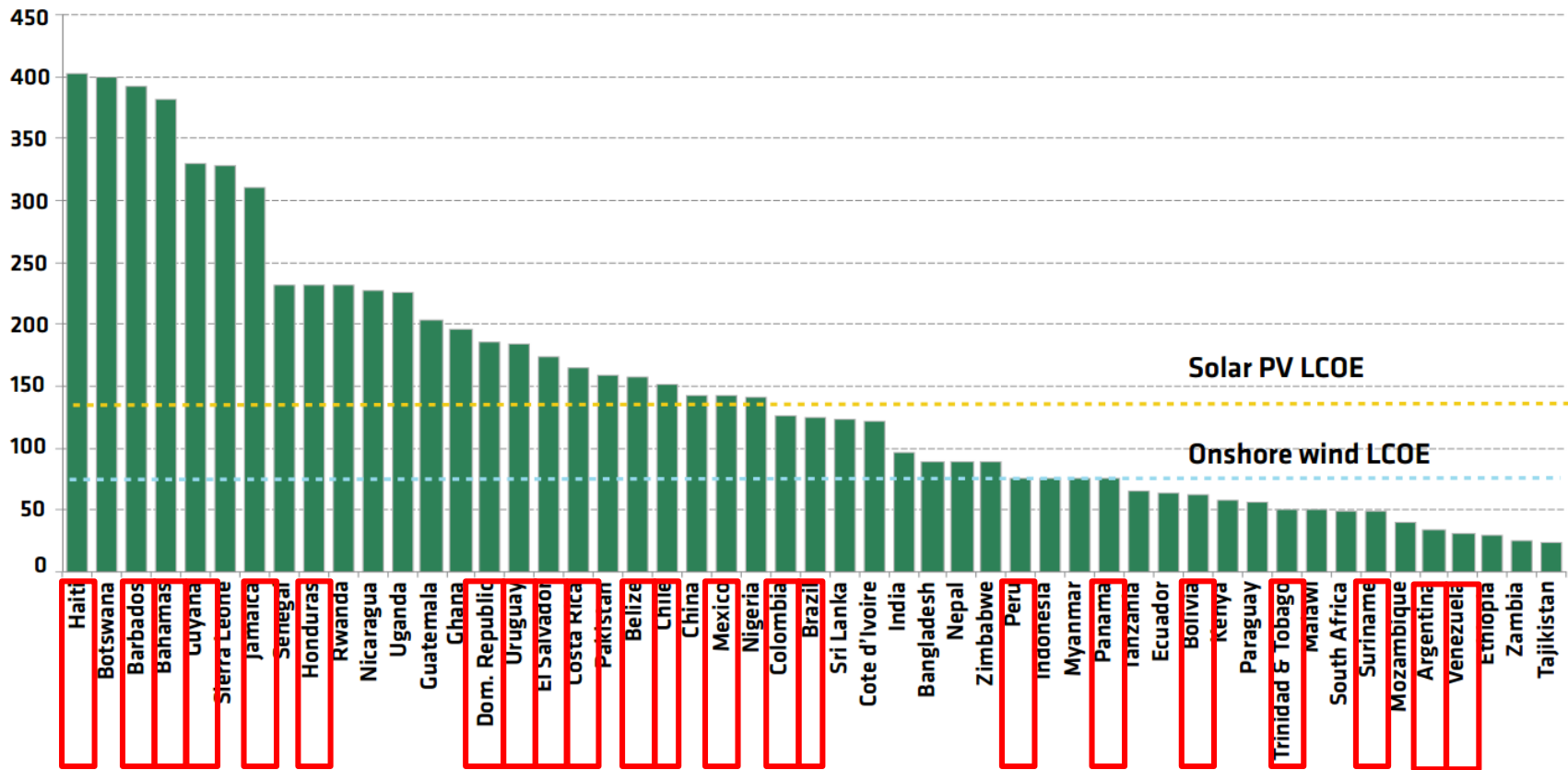


Note: Large hydro not included in this definition of clean energy

Source: Climatescope 2014

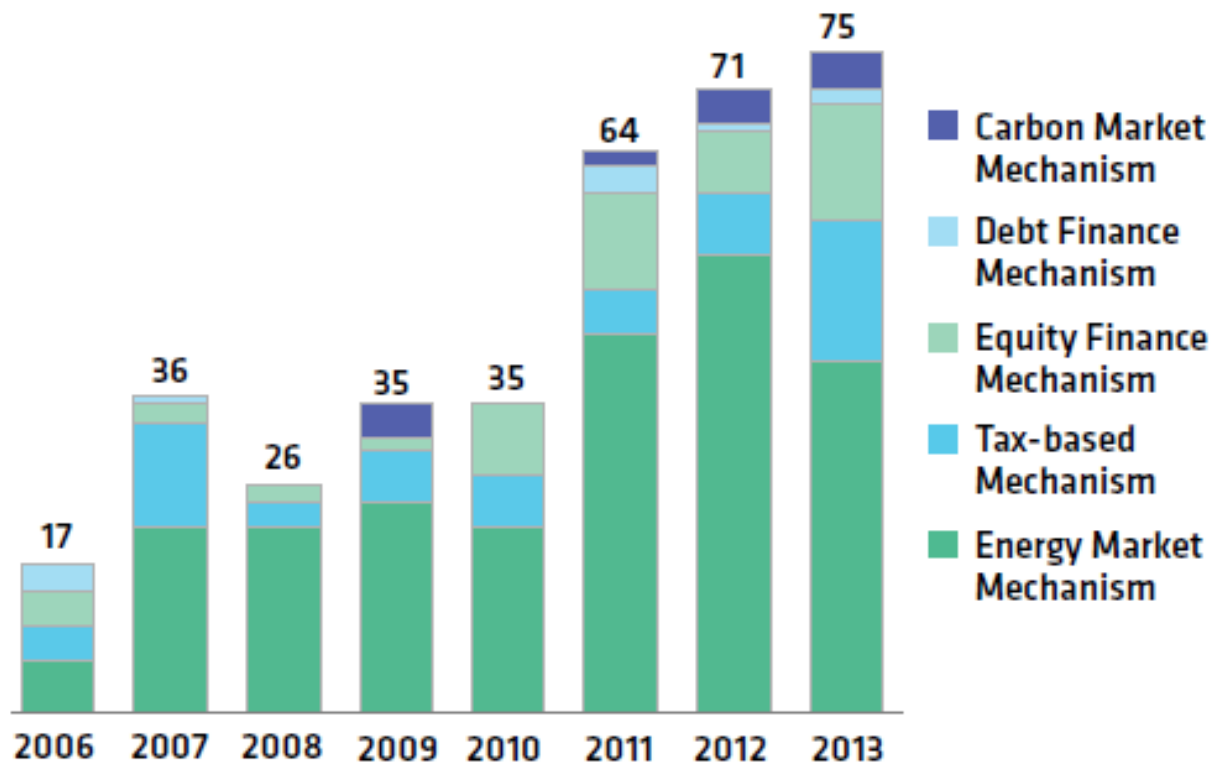
Industrial power prices vs onshore wind and solar PV LCOE, 2013 (\$/MWh)

Clean energy is cost-competitive in many developing nations

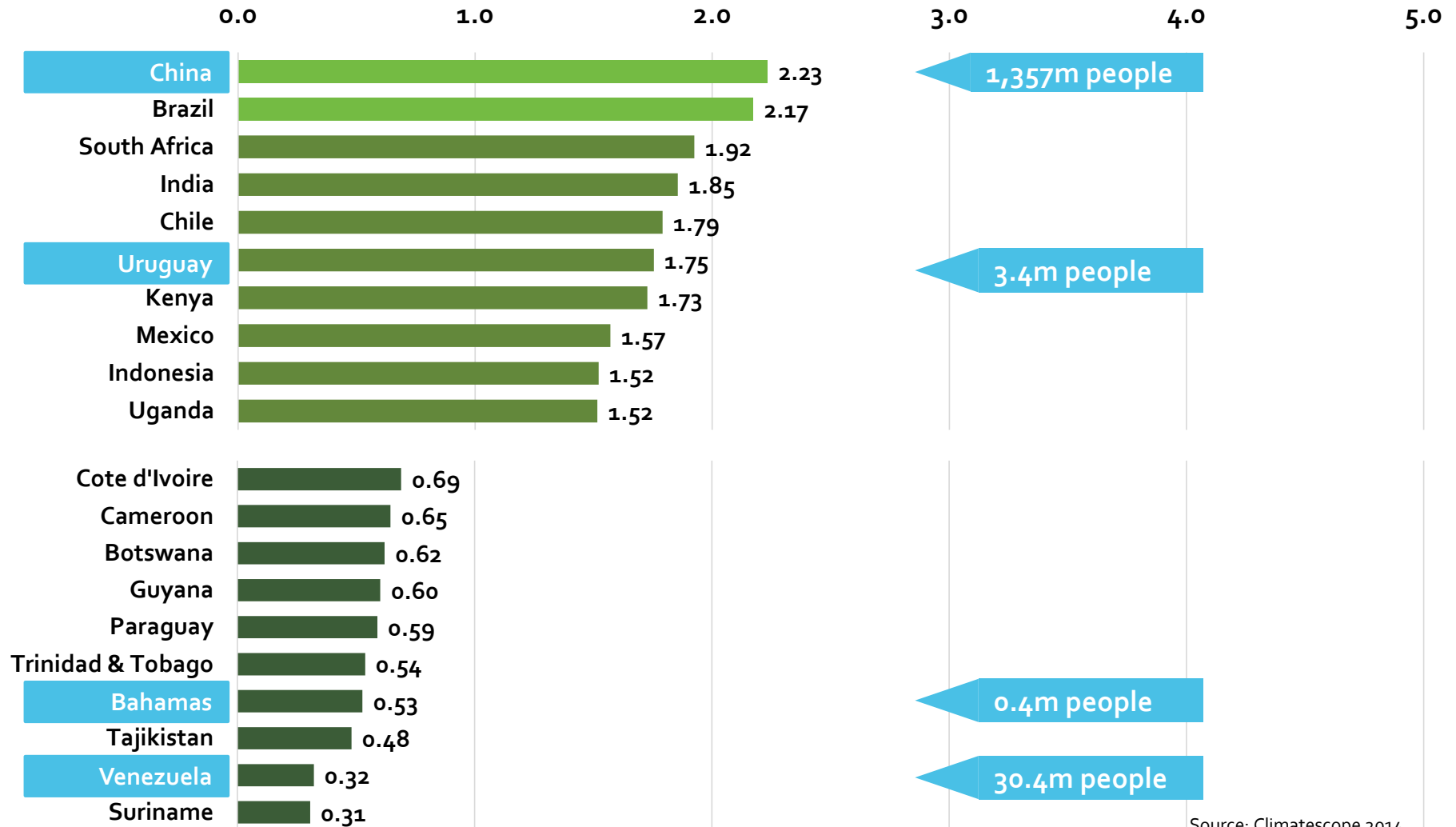


Climatescope countries: policies in force by type and year of establishment

Developing countries are introducing clean energy policy frameworks



Climatescope – Top 10 and bottom 10 rankings

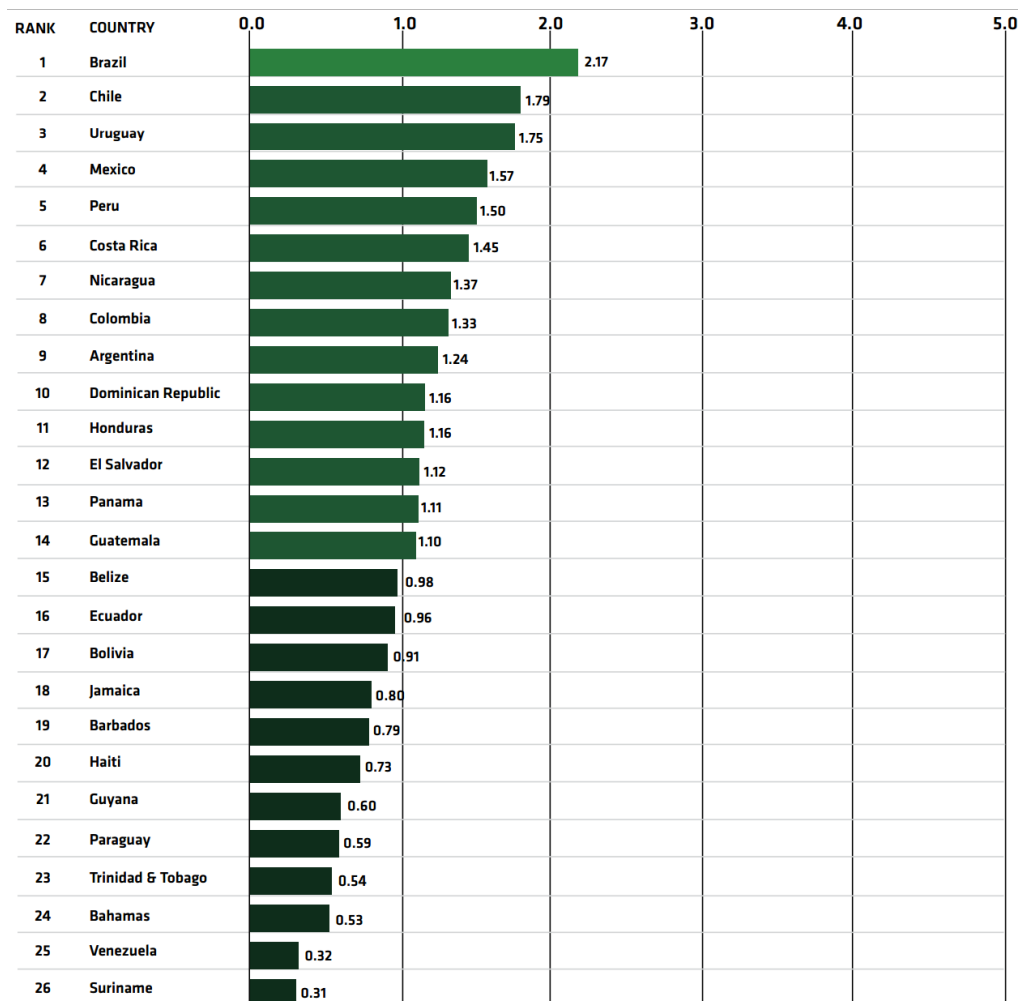


Source: Climatescope 2014

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LATIN AMERICA & CARIBBEAN

Climatescope Latin America & Caribbean regional ranking



Top 5 Climatescope Latin America & Caribbean

1) Brazil

In Brazil, supportive policies have helped trigger the wave of RE financings. Up to 2013, the country has held 25 reverse tenders for power contracts. Wind projects competed in 11 of these and won contracts in nine by pricing below proposed coal and natural gas projects.

2) Chile

High electricity spot prices and a heavy reliance on imported fuels for generation have prompted a surge in renewable energy investment, specially for solar projects

3) Uruguay

The desire to diversify away from large hydro projects convinced Uruguayan regulators to hold competitive technology-specific tenders for power contracts. This, in turn, made South America's smallest nation a major destination for wind investment in 2013.

4) Mexico

Mexico is the second largest clean energy market in the LAC region. Wind projects in Oaxaca are already price competitive with natural gas and have become a useful alternative for large consumers seeking secure electricity supply.

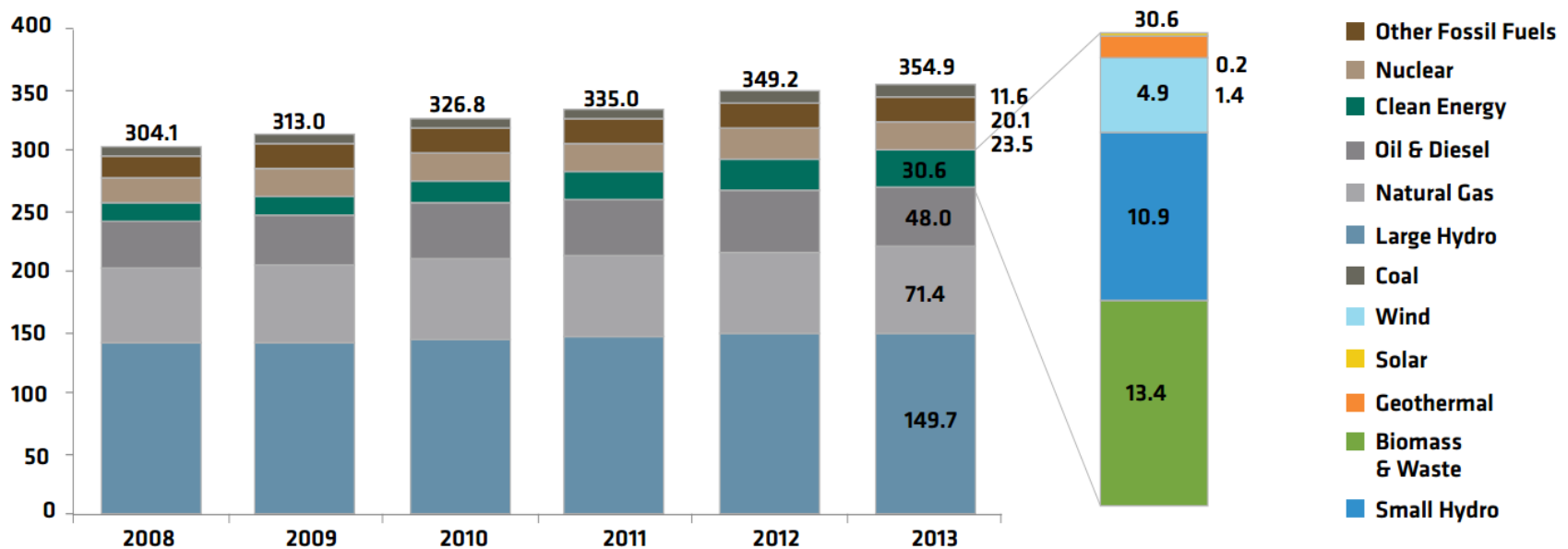
5) Peru

Peru was the first country in Latin America to hold a technology-specific auction for RE capacity, contracting PV, wind and biomass projects to deliver electricity supply to the grid. It also auctioned PV capacity to supply its population that is not connected to the grid.

Latin America & Caribbean policies by type

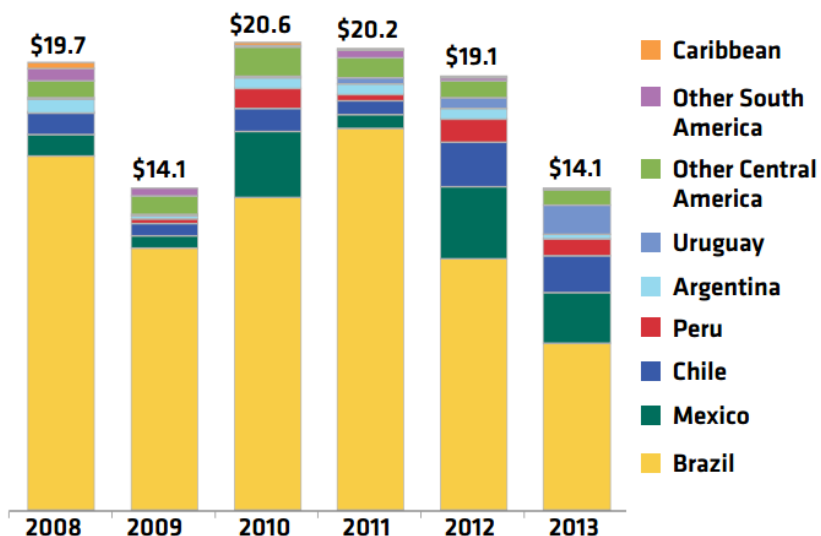
	Argentina	Barbados	Belize	Brazil	Chile	Colombia	Costa Rica	Dominican Republic	Ecuador	El Salvador	Guatemala	Honduras	Jamaica	Mexico	Nicaragua	Panama	Paraguay	Peru	Uruguay
Energy target	●	●			●			●					●	●	●			●	●
Feed-in tariff	●			●				●	●			●				●			
Auctions	●		●	●			●			●	●	●	●			●		●	●
Net metering		●		●	●			●					●	●					●
Biofuels blending mandate	●			●		●			●							●	●	●	●
Debt/equity incentives				●				●						●					
Tax incentives	●			●	●	●	●	●	●	●	●	●		●	●	●		●	●
Utility regulation				●				●										●	

Latin America & Caribbean installed power capacity by sector (GW)

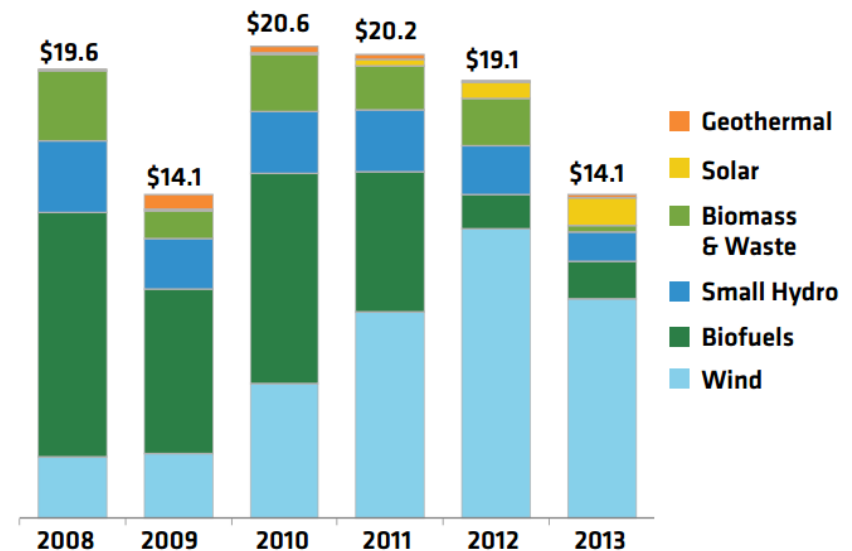


Latin America & Caribbean investment in clean energy (\$bn)

INVESTMENT BY COUNTRY, 2008-2013



INVESTMENT BY SECTOR, 2008-2013



ANNEX

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METHODOLOGY

Climatescope methodology: 4 parameters, 55 indicators

ENABLING FRAMEWORK (40%)

- Policy & regulation
- Clean energy penetration
- Price attractiveness
- Market size expectation

CLEAN ENERGY INVESTMENT AND CLIMATE FINANCING (30%)

- Amount invested
- Fund sources
- Green microfinance
- Cost of debt

LOW-CARBON BUSINESS AND CLEAN ENERGY VALUE CHAINS (15%)

- Clean energy service providers
- Value chains by clean energy sector
- Financial institutions in clean energy

GREENHOUSE GAS MANAGEMENT ACTIVITIES (15%)

- Carbon offsets
- Carbon policy
- Corporate awareness

Climatescope methodology: overview

ENABLING FRAMEWORK

90 SUB-
INDICATORS

CLEAN ENERGY INVESTMENT AND CLIMATE FINANCING

14 SUB-
INDICATORS

LOW-CARBON BUSINESS AND CLEAN ENERGY VALUE CHAINS

78 SUB-
INDICATORS

GREENHOUSE GAS MANAGEMENT ACTIVITIES

13 SUB-
INDICATORS

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