

Area D

Global Assessment of Environmental-Economic Accounting and Supporting Statistics

Additional analysis

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Outline

- Background
- Descriptive statistics
 - Compiled and planned accounts
 - Technical assistance
 - Funding
- Gap analysis
 - Water
 - Energy
 - Air emissions
 - Material flow accounts (MFA)
 - Environmental protection expenditure accounts (EPEA)
 - Agriculture, forestry and fishery (AFF) accounts

Background



Background

- Global Assessment
 - Conducted by UNCEEA
 - Online survey emailed to the statistical offices of 193 Member States and 22 territories in June 2017
 - Aim was to assess the progress made in meeting targets of the System of Environmental-Economic Accounting (SEEA) implementation strategy across the globe
 - 109 countries responded to the survey

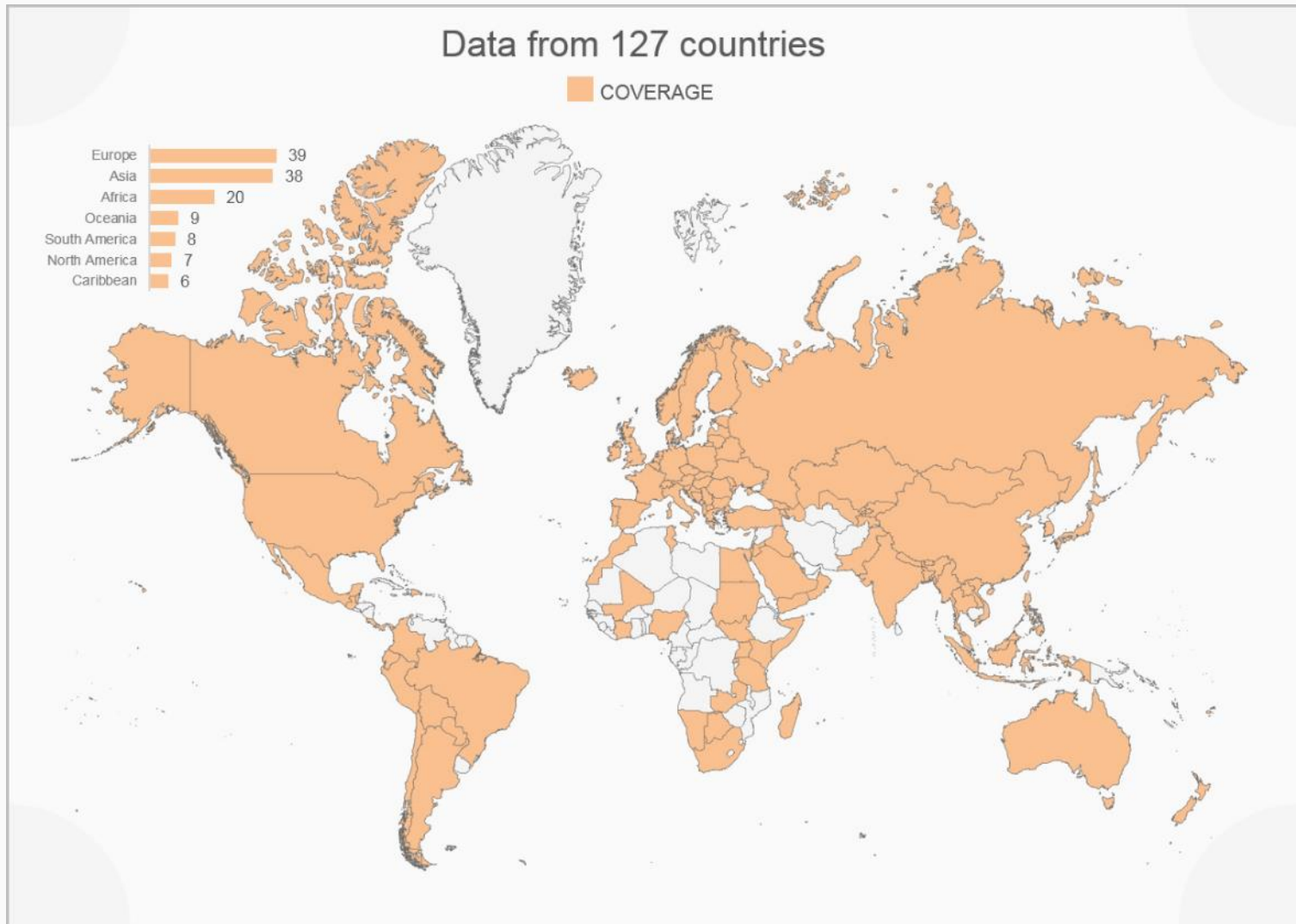
Background

- Additional analysis presented here
 - Includes information on 18 additional countries
 - Complements the results outlined in the Global Assessment report
 - Includes
 - An update on descriptive statistics
 - Gap analysis

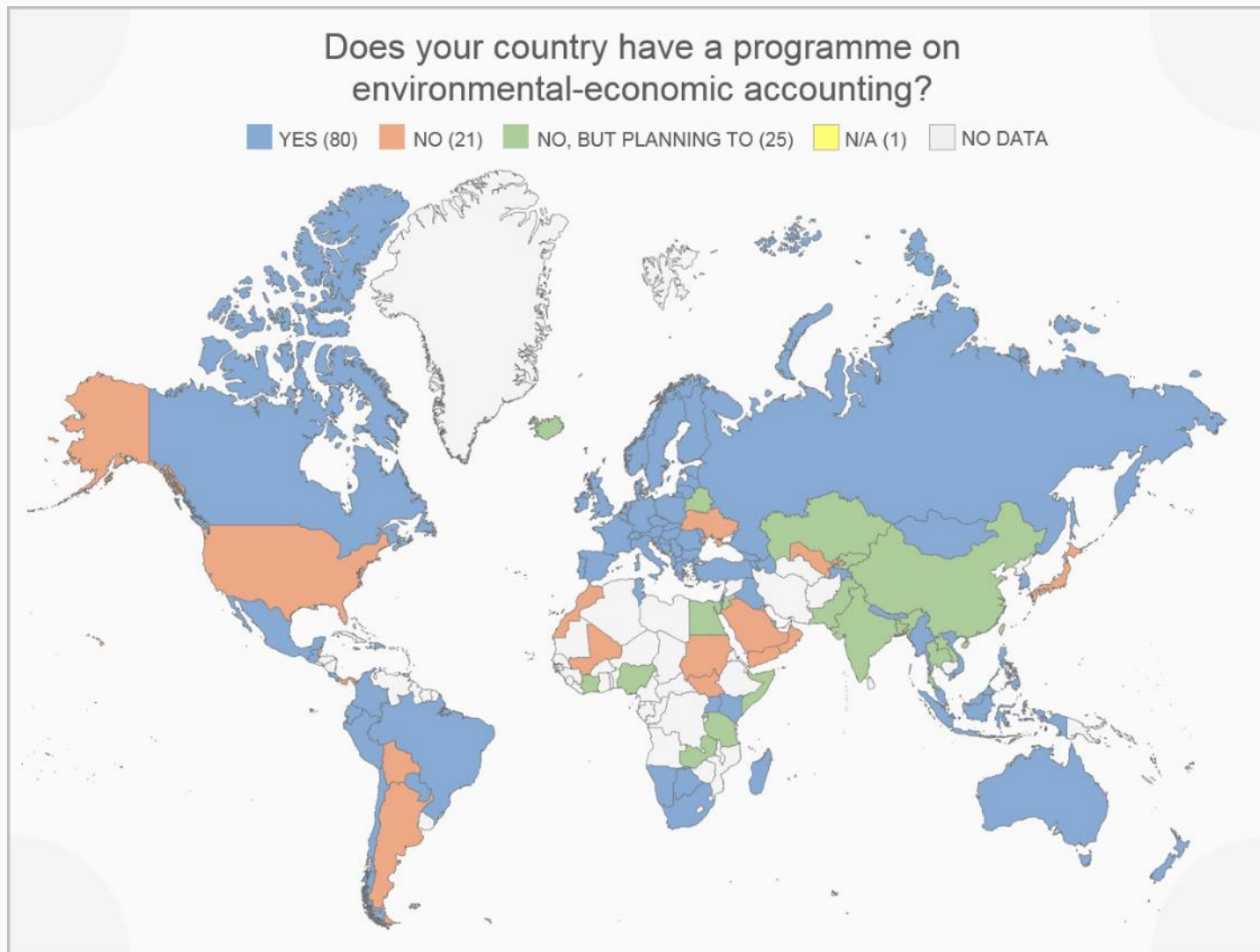
Descriptive statistics



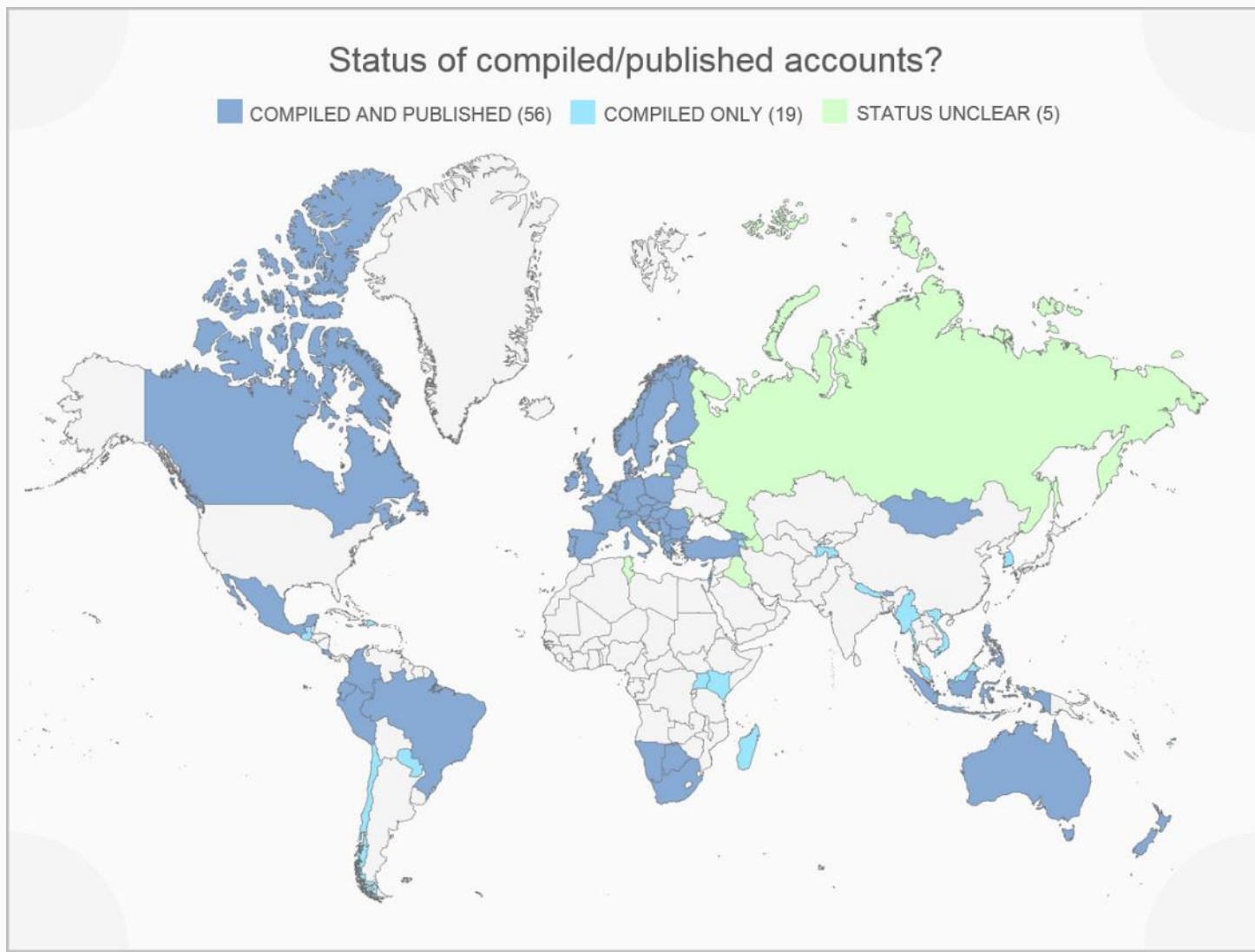
Descriptive statistics: Coverage



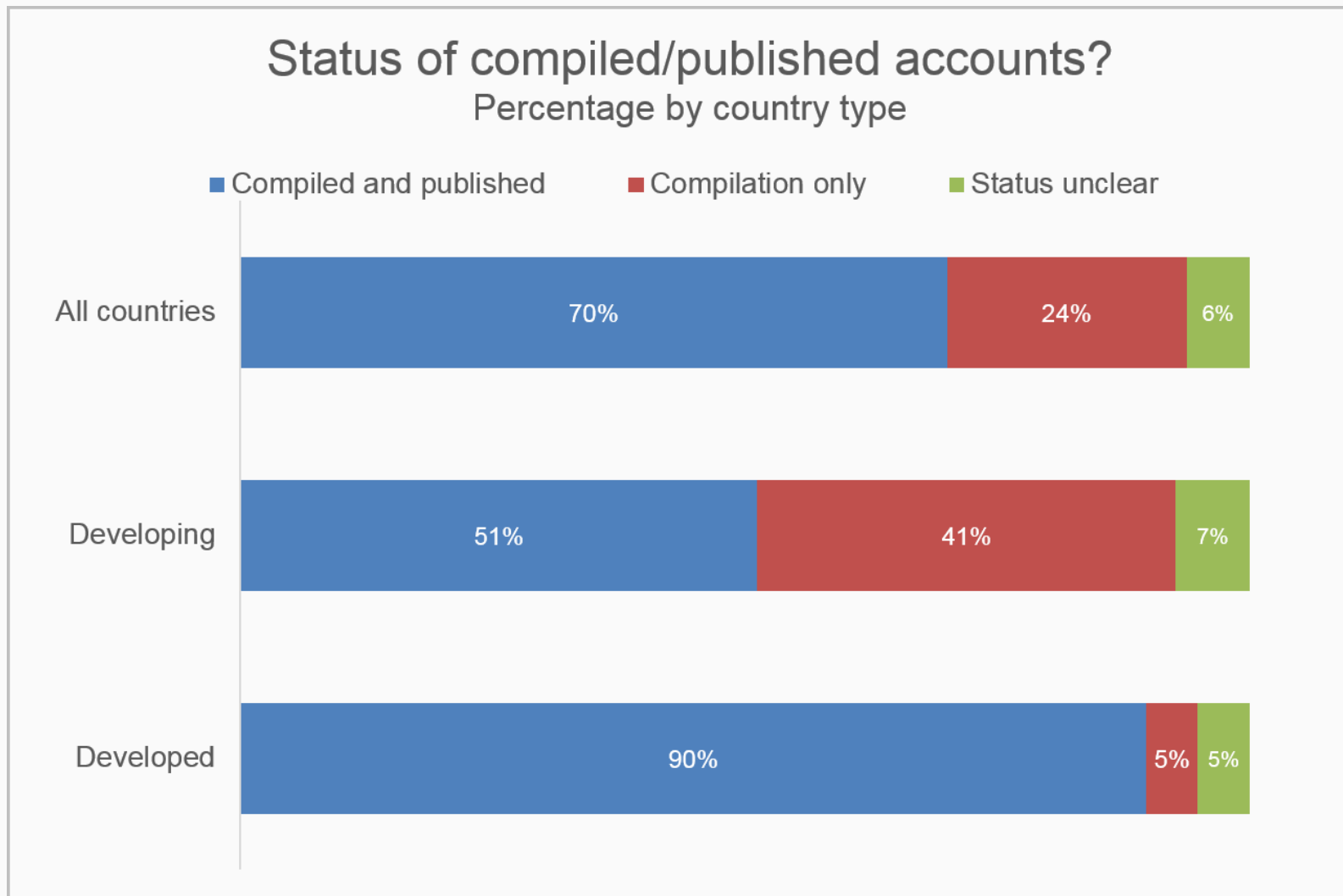
Descriptive statistics: Compiled and planned accounts



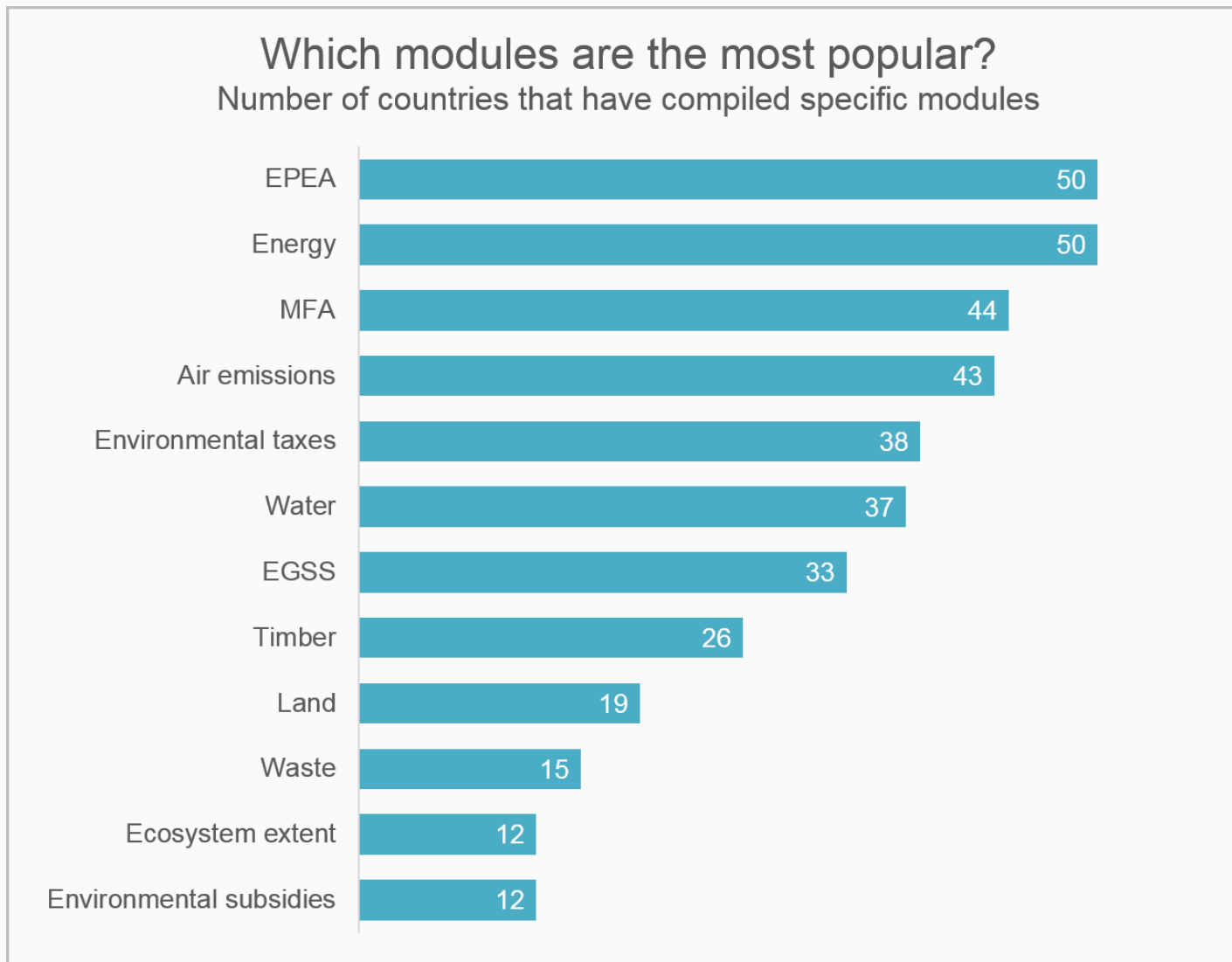
Descriptive statistics: Compiled and planned accounts



Descriptive statistics: Compiled and planned accounts



Descriptive statistics: Compiled and planned accounts



Descriptive statistics: Compiled and planned accounts

Which modules are the most popular?

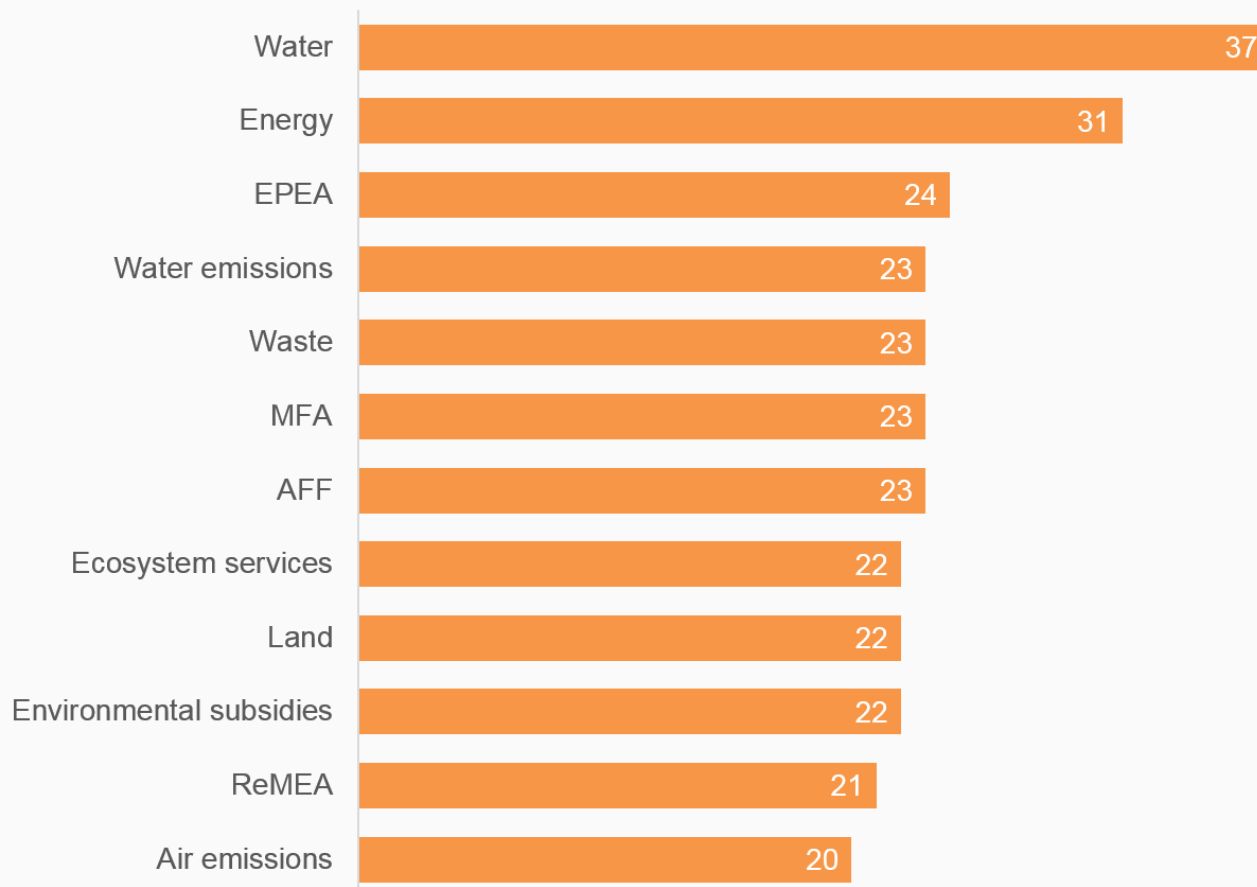
Number of countries that have compiled specific modules

	Developed	Developing
EPEA	33	17
Energy	26	24
MFA	35	9
Air emissions	32	11
Environmental taxes	34	4
Water	12	25
EGSS	28	5
Timber	13	13
Land	7	12
Waste	9	6
Ecosystem extent	4	8
Environmental subsidies	10	2

Descriptive statistics: Compiled and planned accounts

Which modules are countries planning to compile?

Number of countries that are planning to compile a specific module



Descriptive statistics: Compiled and planned accounts

Which modules are countries planning to compile?

Number of countries that are planning to compile a specific module

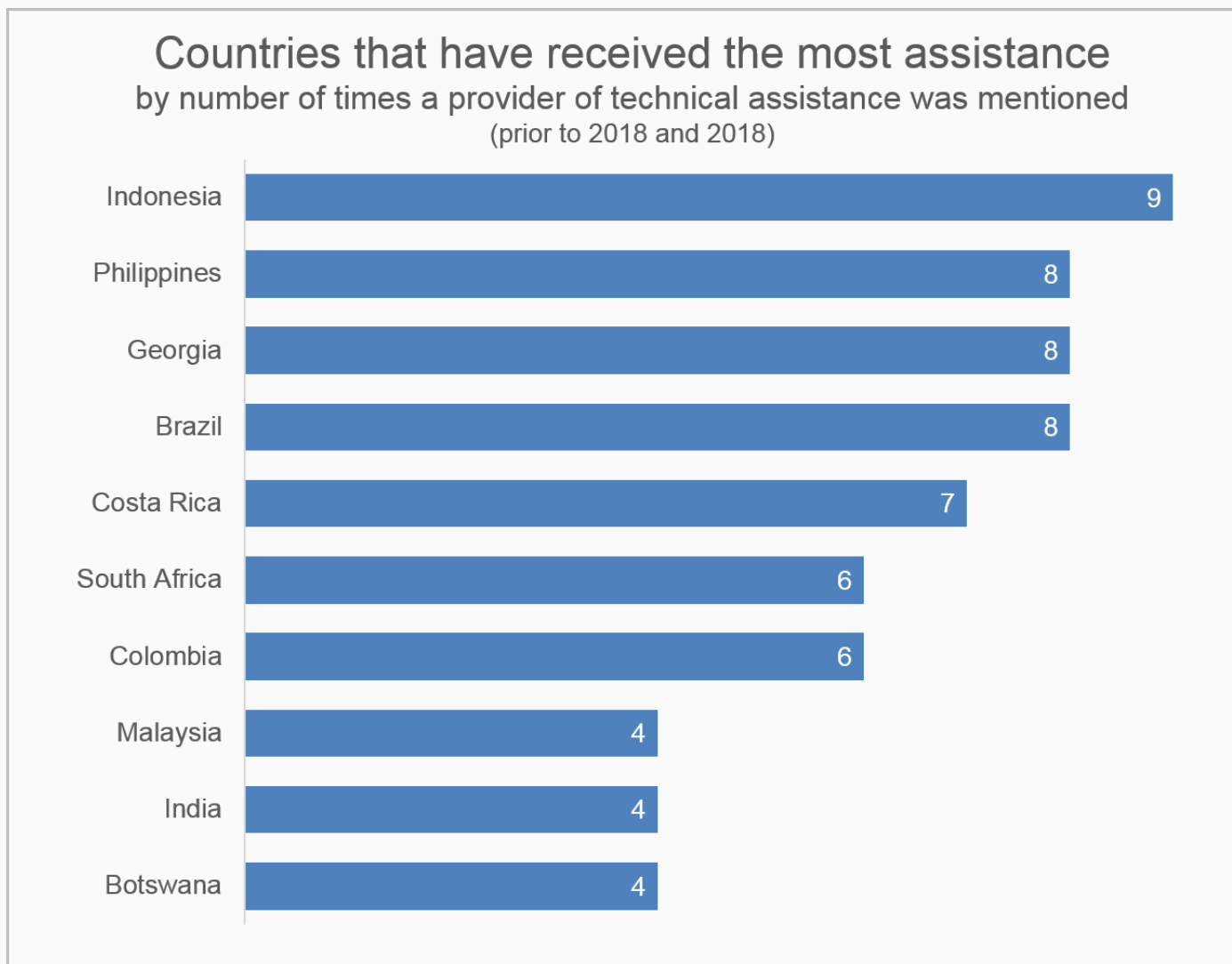
	Developed	Developing	Total
Water	12	25	37
Energy	8	23	31
EPEA	7	17	24
AFF	6	17	23
MFA	3	20	23
Waste	5	18	23
Water emissions	4	19	23
Environmental subsidies	10	12	22
Land	6	16	22
Ecosystem services	5	17	22
ReMEA	7	14	21
Air emissions	4	16	20

Descriptive statistics: Technical assistance

Providers and receivers of technical assistance Number of mentions by continent (prior to 2018 and 2018)

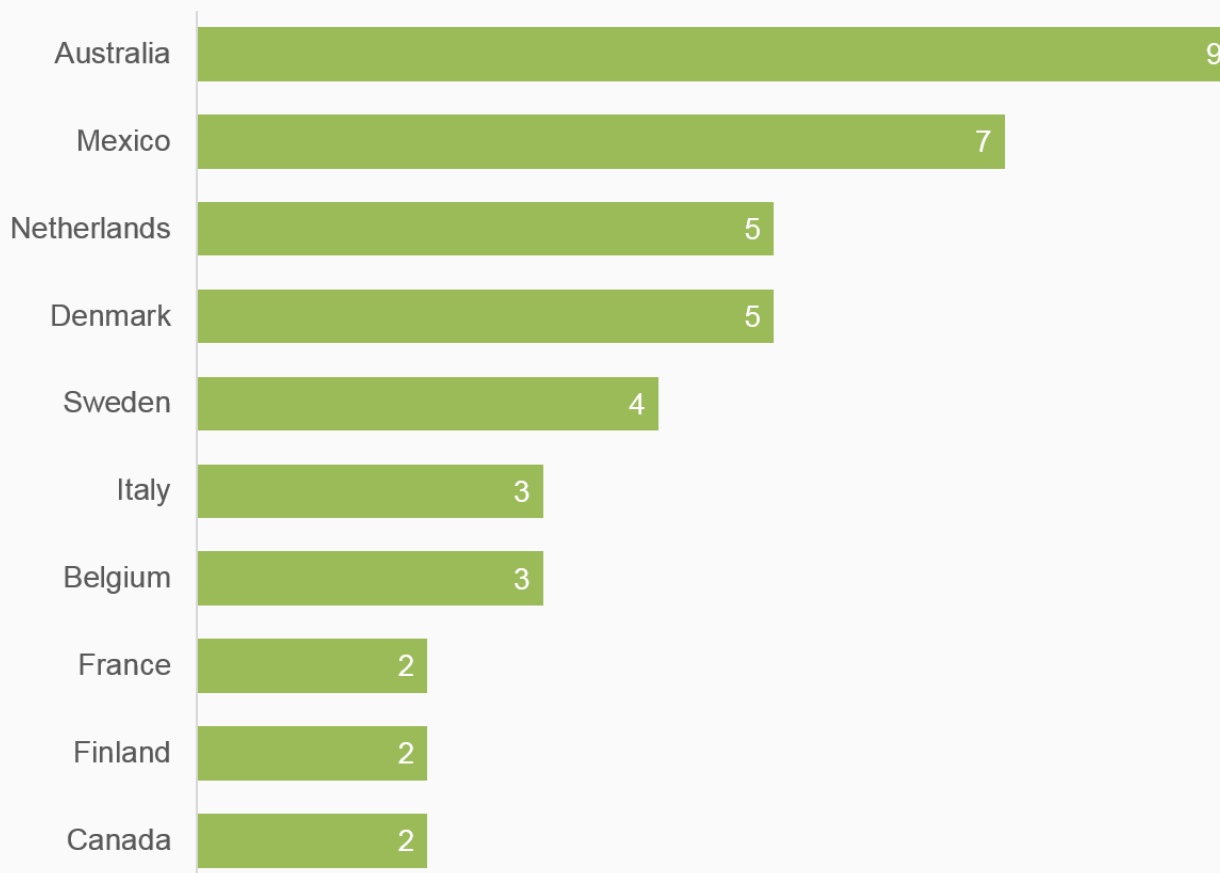
Organisation providing assistance	Africa	Asia	Caribbean	Europe	North America	Oceania	South America	Total
UN regional commissions	4	21	1	3	2	7	4	42
UNSD	8	13	0	0	2	1	3	27
UNDP	4	13	0	0	2	1	4	24
Eurostat	0	3	0	16	0	0	0	19
World Bank	3	5	0	0	1	0	2	11
Other country's NSO	0	4	0	0	0	1	1	6
IEA	2	2	0	0	1	0	1	6
UN Environment	1	3	0	0	1	0	1	6
OECD	0	1	0	0	1	0	1	3
National development agencies	0	1	0	0	0	0	1	2
Regional development agencies	0	1	0	0	0	0	0	1

Descriptive statistics: Technical assistance

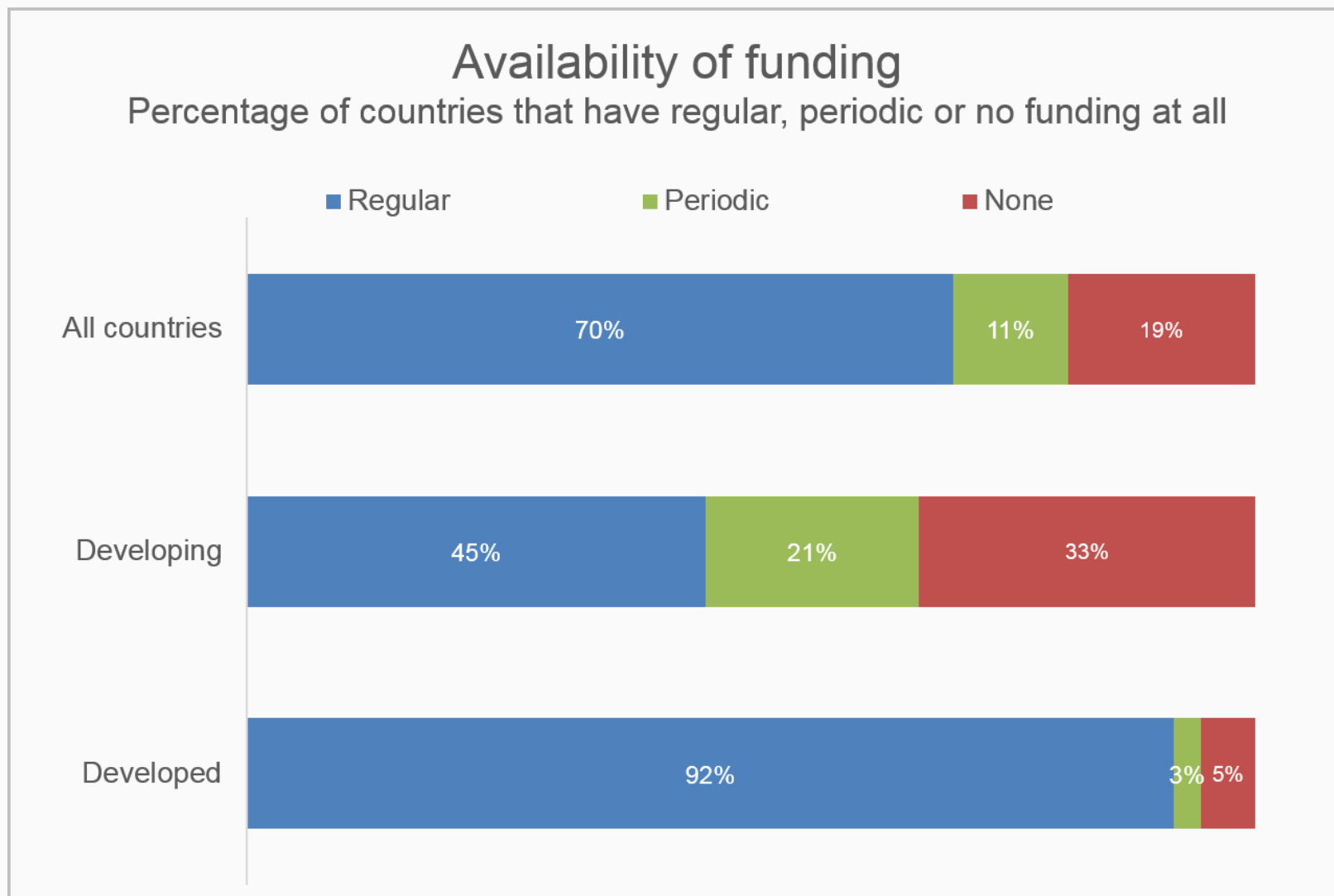


Descriptive statistics: Technical assistance

Countries that have provided assistance to other countries
by number of countries assisted (prior to 2018)



Descriptive statistics: Funding

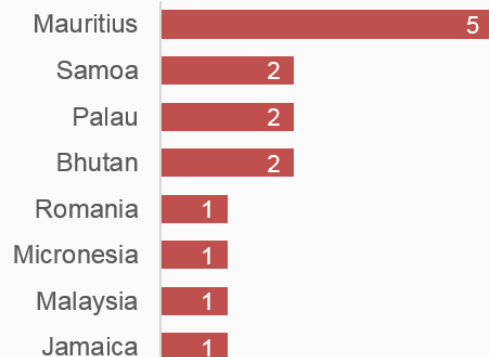


Descriptive statistics: Funding

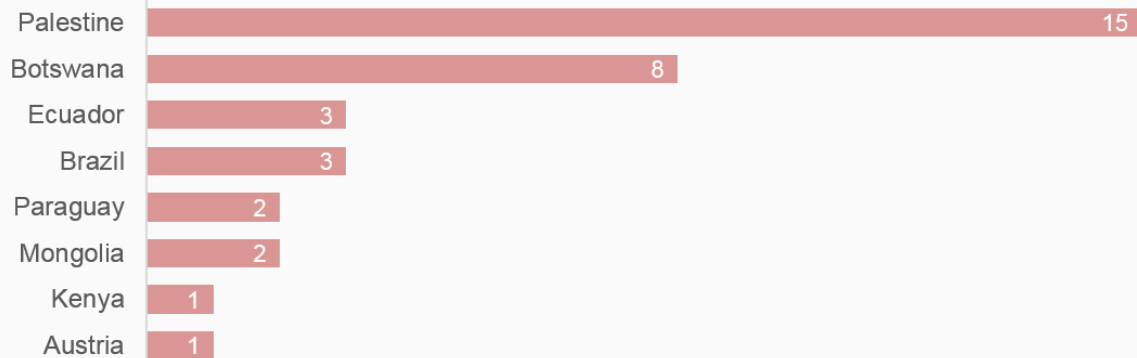
Countries with the most funding risk?

Countries by the number of modules they are planning to compile

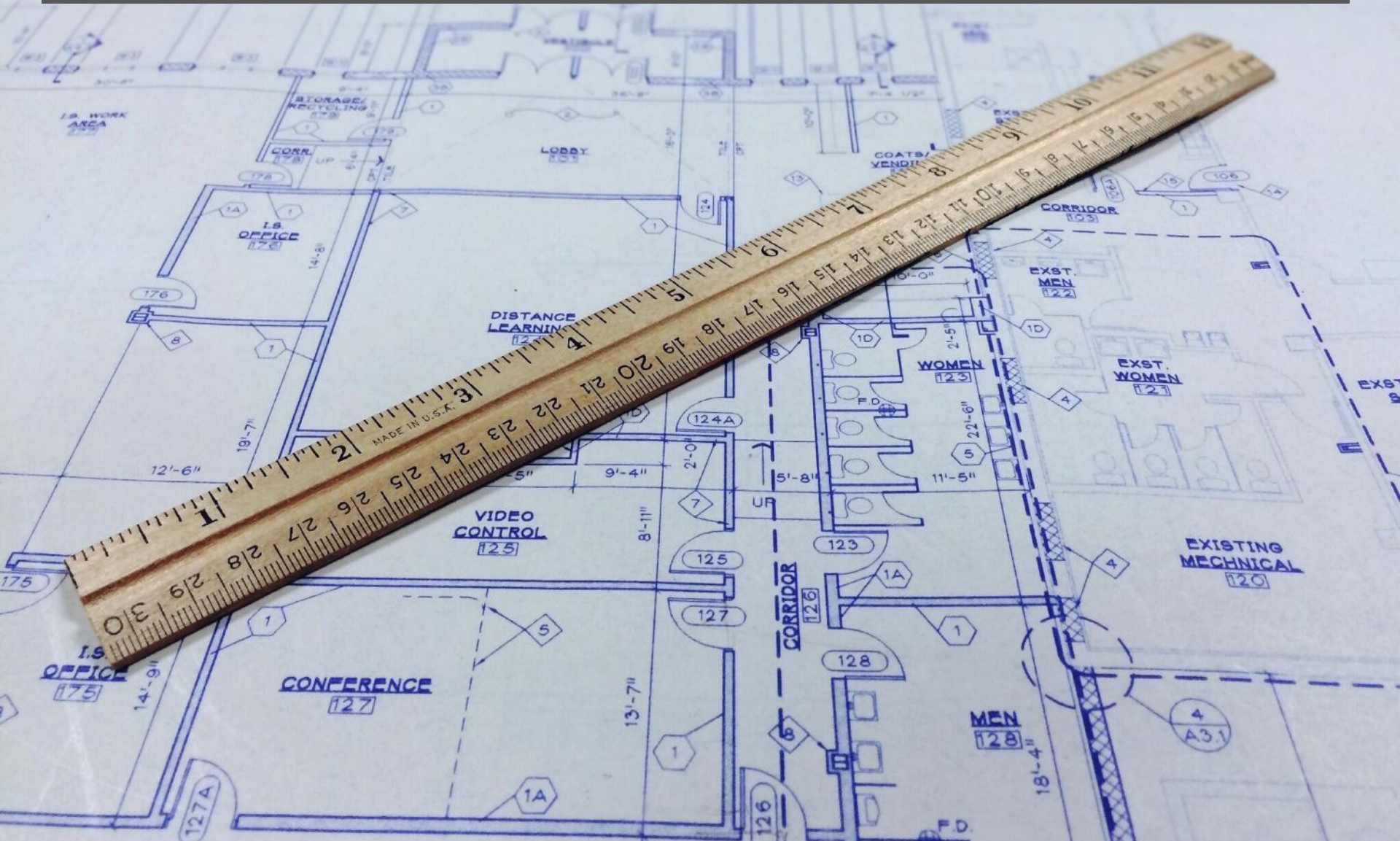
No funding



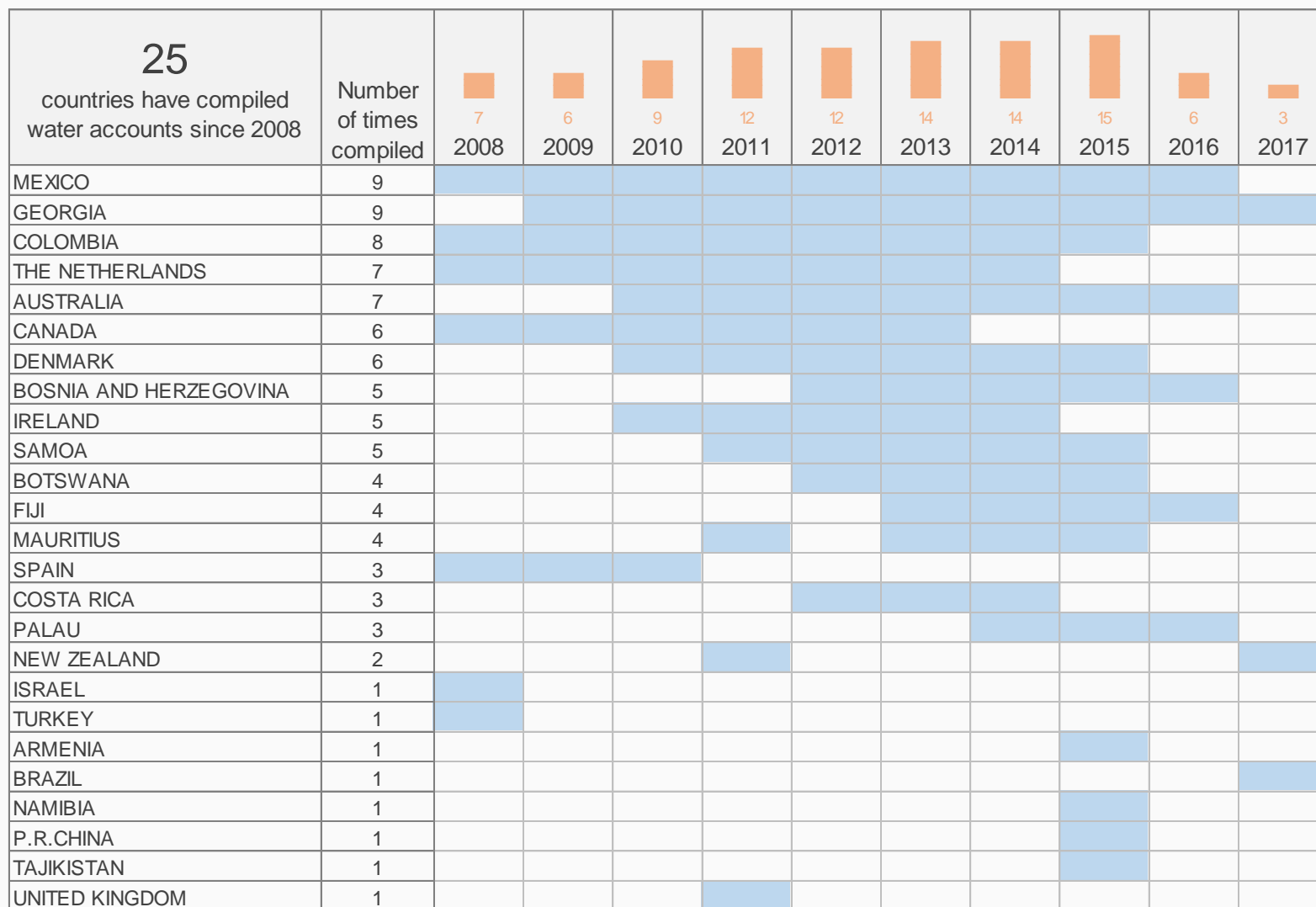
Periodic funding



Gap analysis



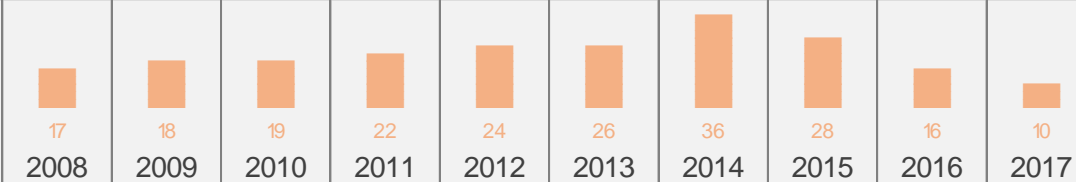
Gap analysis: Water



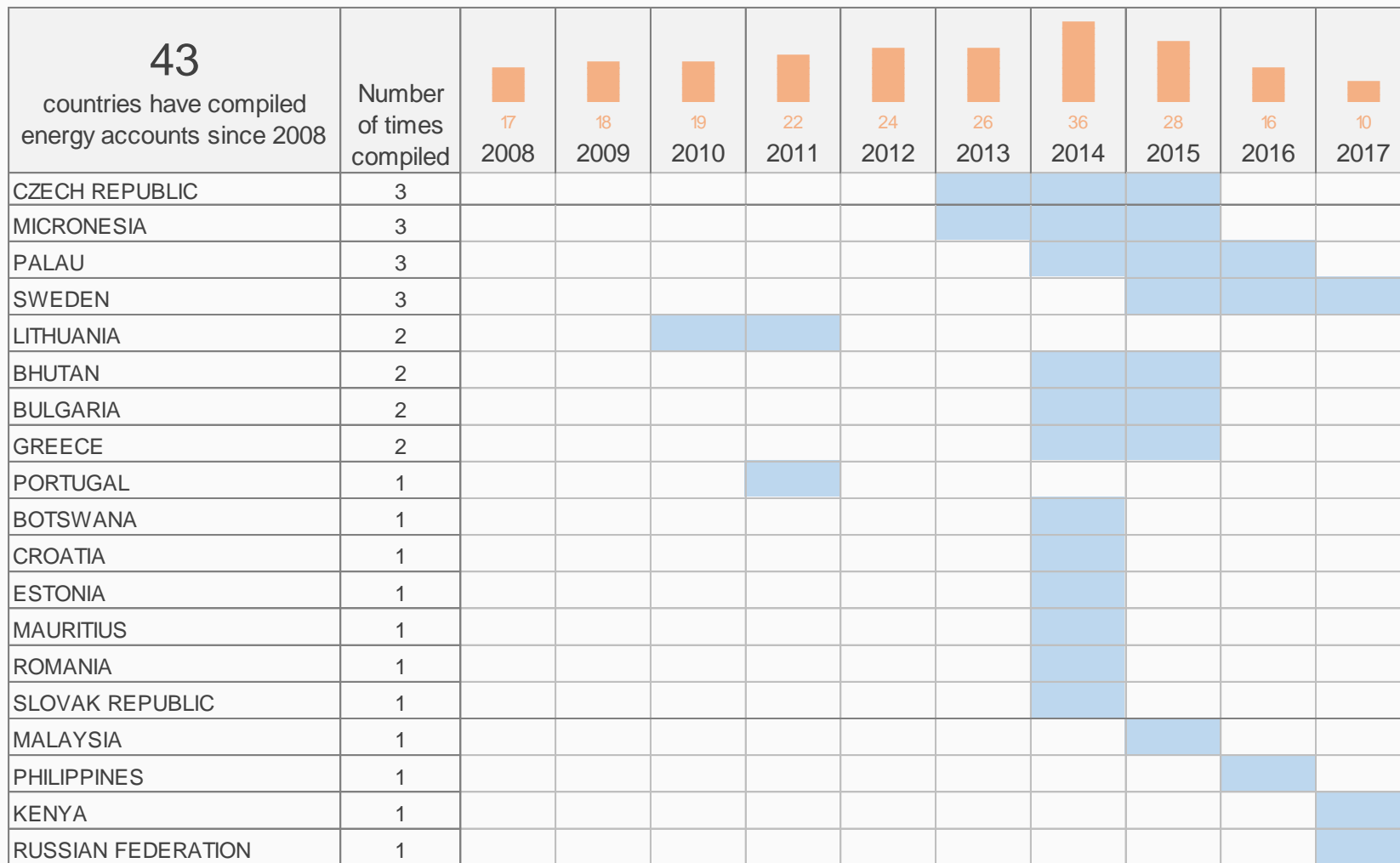
Gap analysis: Water



Gap analysis: Energy

43 countries have compiled energy accounts since 2008	Number of times compiled										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
CANADA	10										
ITALY	10										
MEXICO	10										
PAKISTAN	10										
AUSTRALIA	9										
COLOMBIA	9										
DENMARK	9										
FRANCE	9										
INDONESIA	9										
SOUTH AFRICA	9										
BELGIUM	8										
ECUADOR	8										
LATVIA	8										
SWITZERLAND	8										
THE NETHERLANDS	8										
TURKEY	8										
UNITED KINGDOM	8										
GEORGIA	7										
FIJI	6										
FINLAND	6										
SLOVENIA	6										
PARAGUAY	4										
COSTA RICA	3										
JAMAICA	3										

Gap analysis: Energy



Gap analysis: Energy



Gap analysis: Air emissions

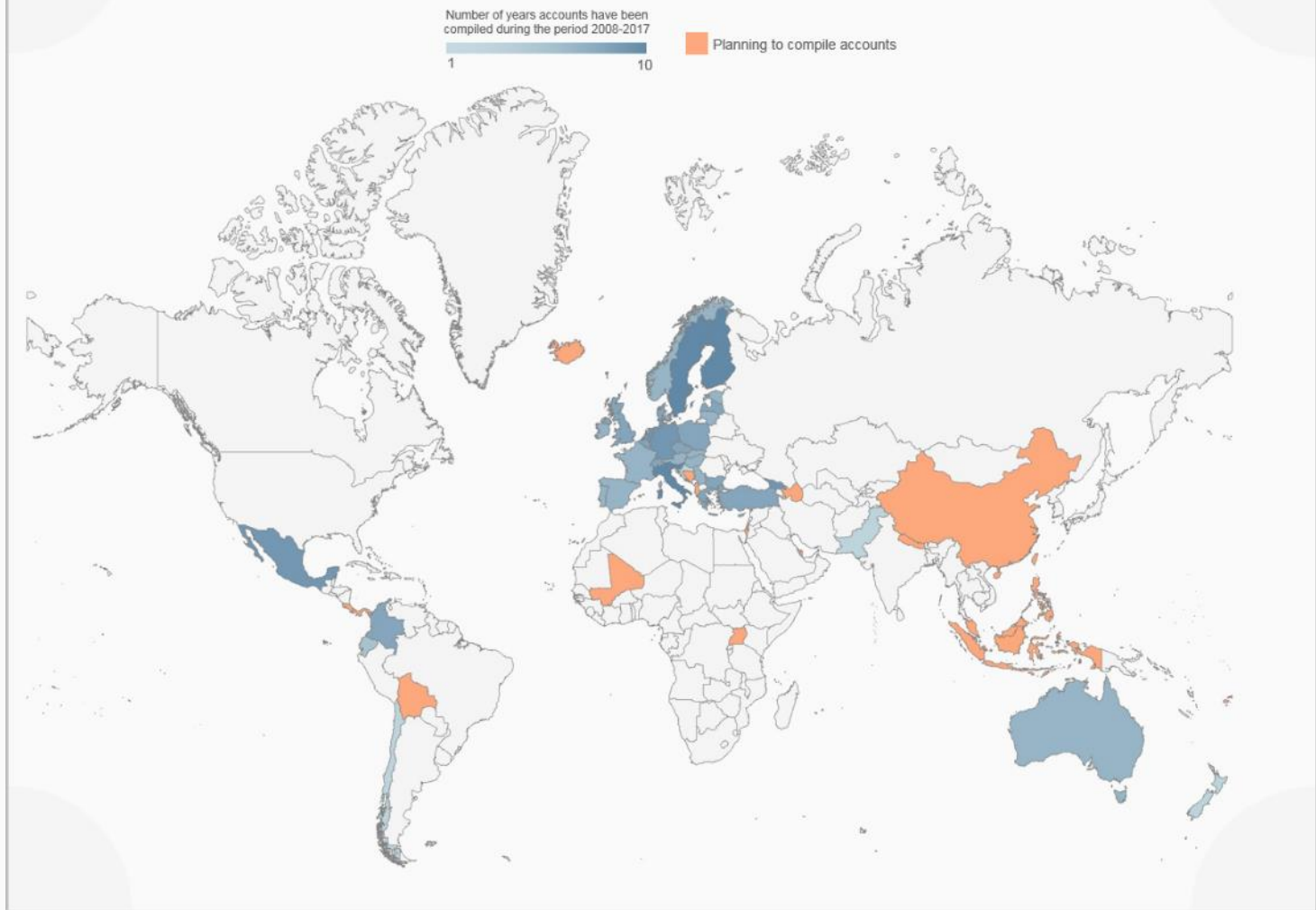
39 countries have compiled air emissions accounts since 2008	Number of times compiled										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
FINLAND	10										
ITALY	10										
SLOVENIA	10										
SWEDEN	10										
GERMANY	9										
MEXICO	9										
THE NETHERLANDS	9										
GEORGIA	9										
BELGIUM	8										
BULGARIA	8										
COLOMBIA	8										
CZECH REPUBLIC	8										
DENMARK	8										
LATVIA	8										
LUXEMBOURG	8										
MAURITIUS	8										
POLAND	8										
SWITZERLAND	8										
TURKEY	8										
UNITED KINGDOM	8										

Gap analysis: Air emissions

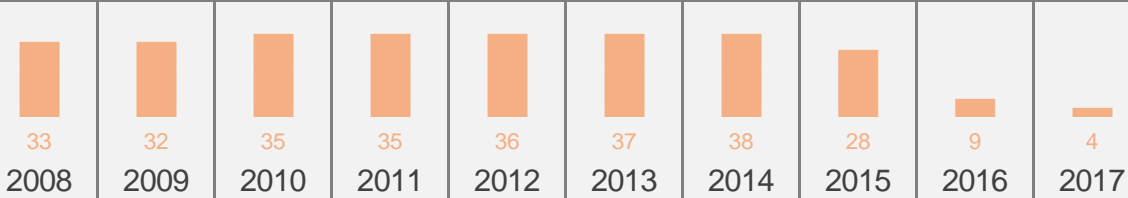
39 countries have compiled air emissions accounts since 2008	Number of times compiled	36	35	35	35	35	35	34	21	8	7
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
GREECE	8										
AUSTRALIA	7										
AUSTRIA	7										
CYPRUS	7										
ESTONIA	7										
FRANCE	7										
HUNGARY	7										
IRELAND	7										
LITHUANIA	7										
NORWAY	7										
PORTUGAL	7										
SLOVAK REPUBLIC	7										
SPAIN	7										
THE REPUBLIC OF SERBIA	7										
ECUADOR	6										
CROATIA	1										
PAKISTAN	1										
CHILE	1										
NEW ZEALAND	1										

Gap analysis: Air emissions

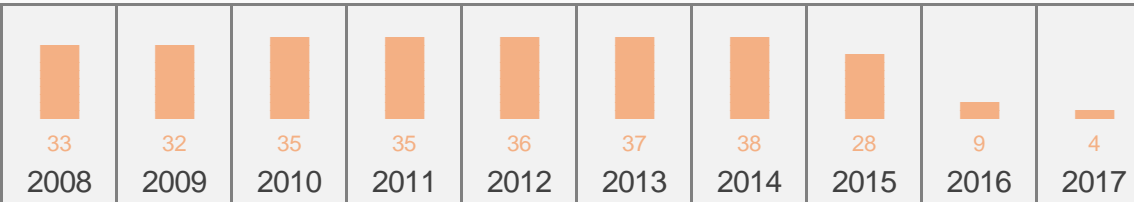
Air emissions accounts: experienced countries vs those who are planning to compile



Gap analysis: Material flow accounts

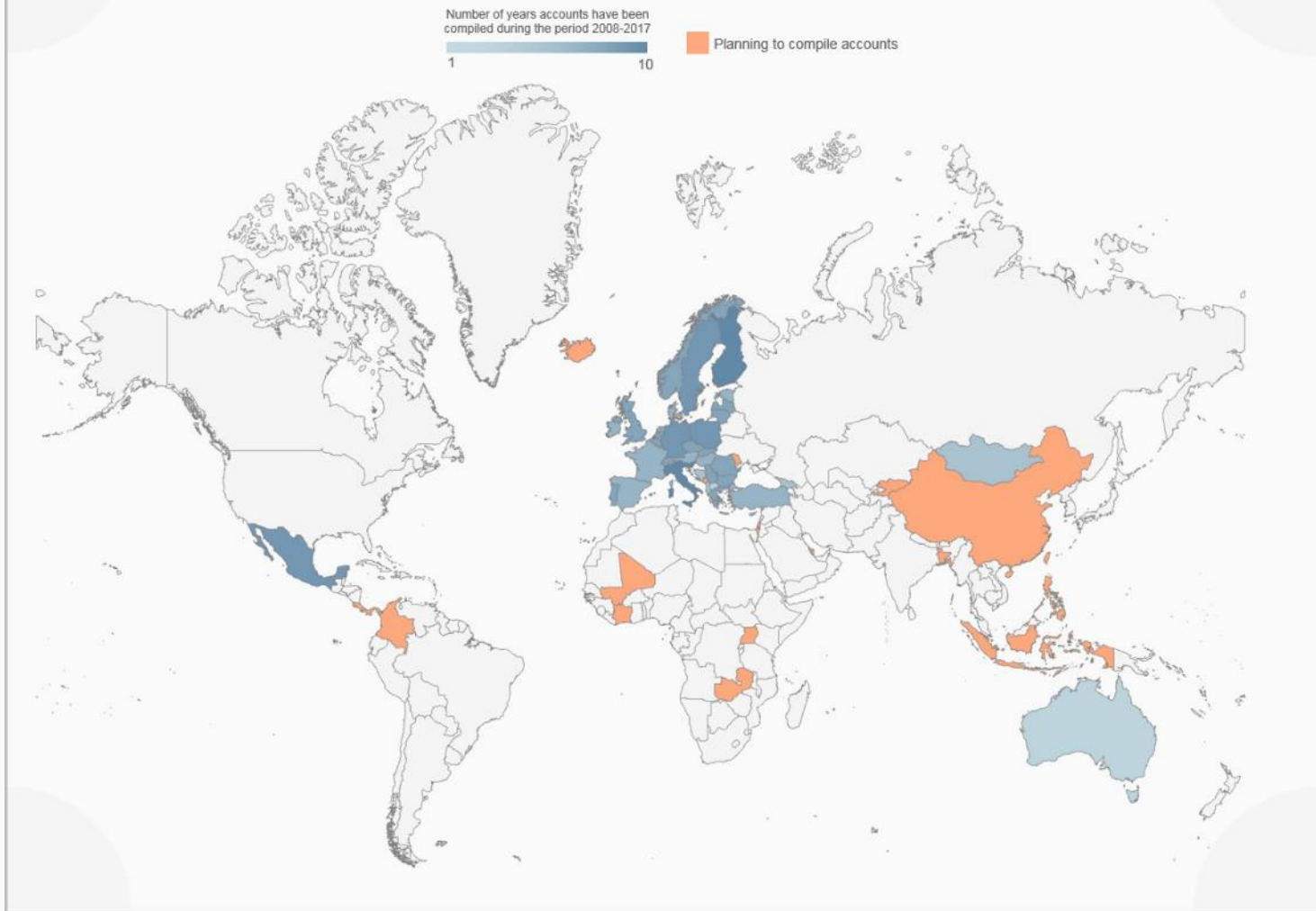
39 countries have compiled MFA accounts since 2008	Number of times compiled										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
FINLAND	10										
ITALY	10										
SLOVENIA	10										
GERMANY	9										
MEXICO	9										
POLAND	9										
SWEDEN	9										
BELGIUM	8										
BULGARIA	8										
CZECH REPUBLIC	8										
LATVIA	8										
LITHUANIA	8										
LUXEMBOURG	8										
MAURITIUS	8										
NORWAY	8										
PORTUGAL	8										
ROMANIA	8										
SLOVAK REPUBLIC	8										
SWITZERLAND	8										
THE NETHERLANDS	8										

Gap analysis: Material flow accounts

39 countries have compiled MFA accounts since 2008	Number of times compiled											
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
THE REPUBLIC OF SERBIA	8											
UNITED KINGDOM	8											
GREECE	8											
AUSTRIA	7											
CYPRUS	7											
DENMARK	7											
ESTONIA	7											
FRANCE	7											
HUNGARY	7											
IRELAND	7											
SPAIN	7											
TURKEY	7											
ALBANIA	6											
MALTA	6											
MONGOLIA	6											
GEORGIA	6											
BOSNIA AND HERZEGOVINA	4											
AUSTRALIA	1											
REPUBLIC OF MACEDONIA	1											

Gap analysis: Material flow accounts

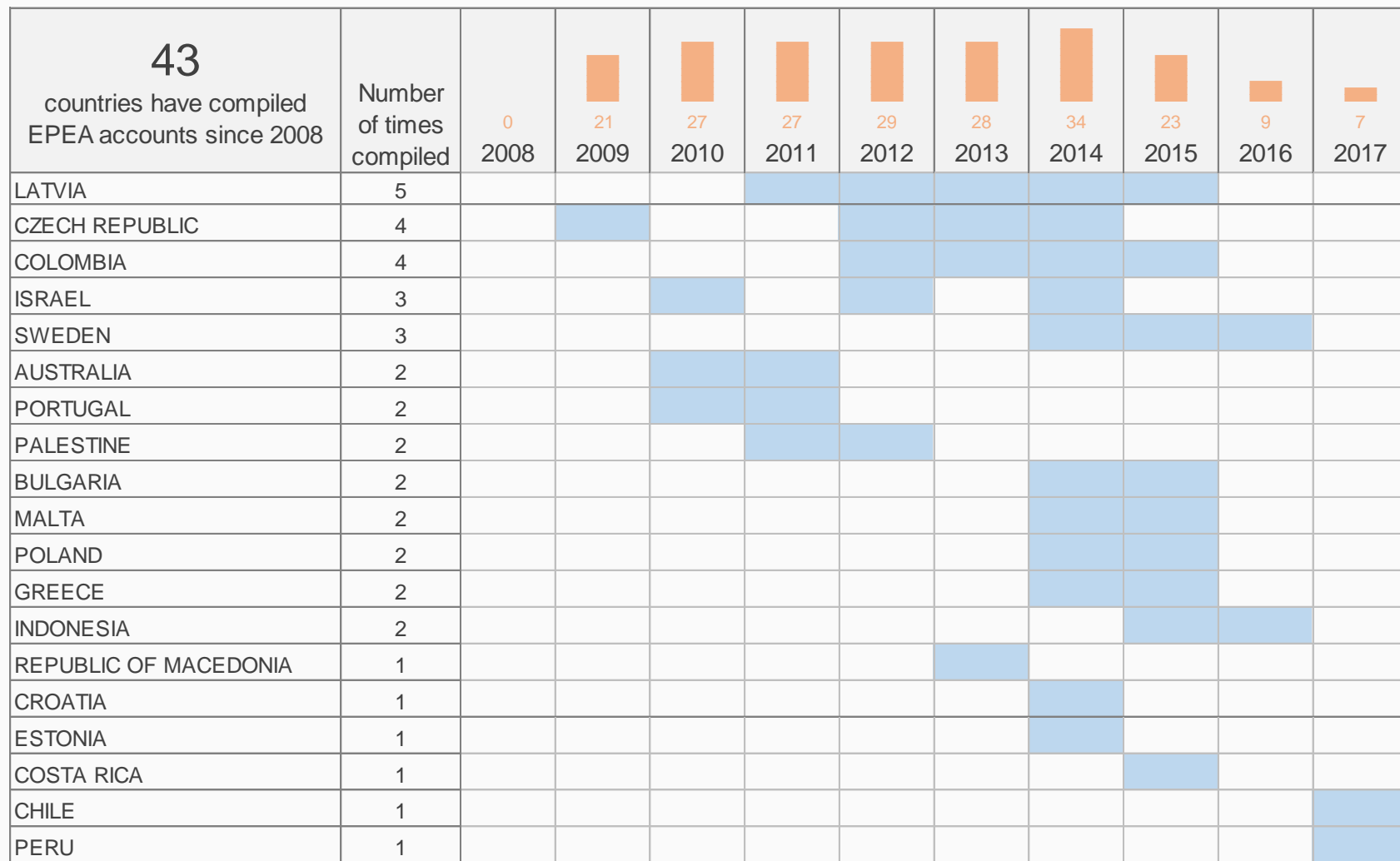
Material flow accounts: experienced countries vs those who are planning to compile



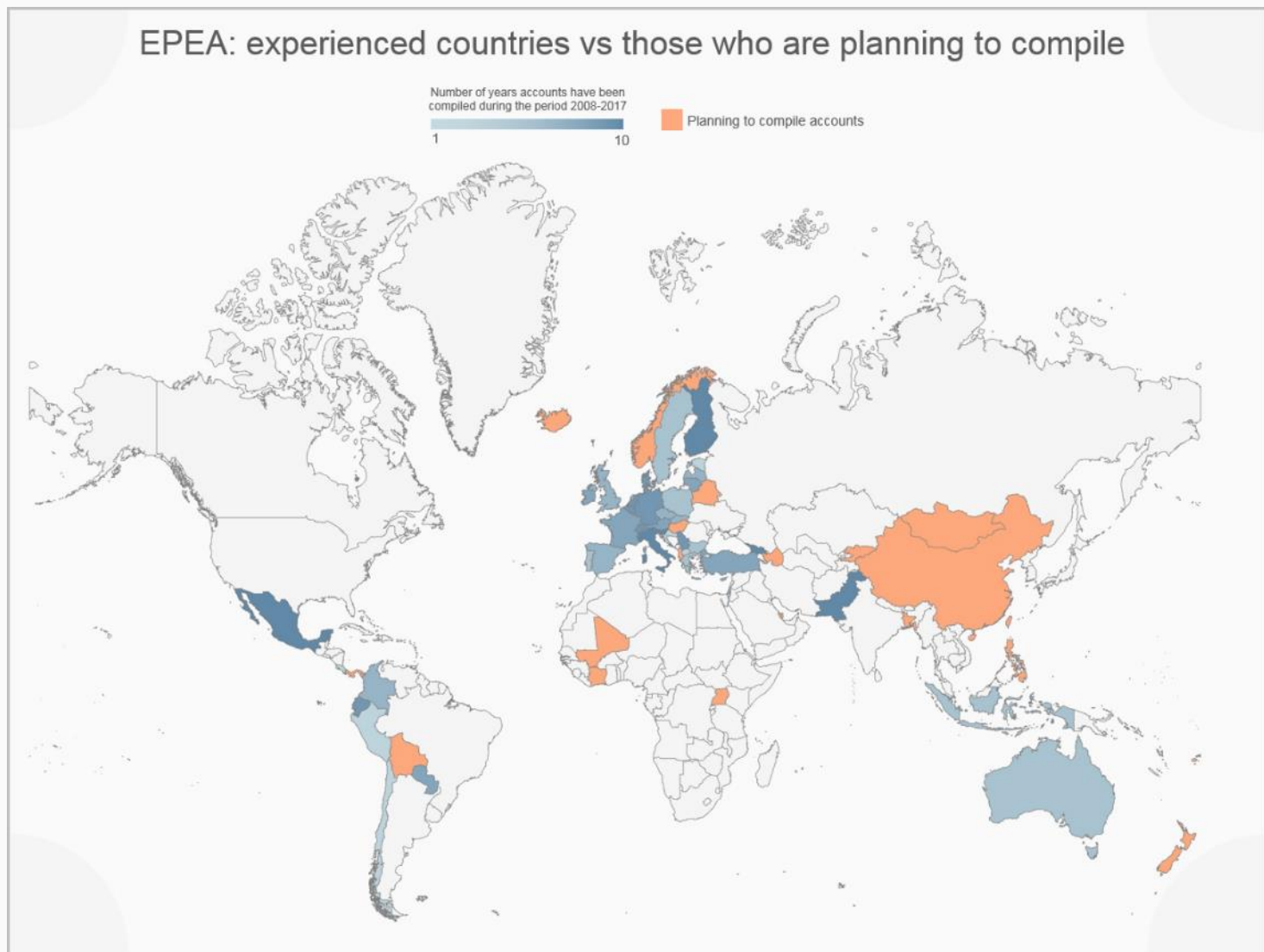
Gap analysis: EPEA

43 countries have compiled EPEA accounts since 2008	Number of times compiled	Number of times compiled										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
FINLAND	9											
GEORGIA	9											
ITALY	9											
PAKISTAN	9											
SLOVENIA	9											
MEXICO	8											
BELGIUM	7											
DENMARK	7											
ECUADOR	7											
SWITZERLAND	7											
THE NETHERLANDS	7											
THE REPUBLIC OF SERBIA	7											
GERMANY	7											
AUSTRIA	6											
FRANCE	6											
IRELAND	6											
LUXEMBOURG	6											
PARAGUAY	6											
TURKEY	6											
LITHUANIA	6											
SLOVAK REPUBLIC	5											
SPAIN	5											
CYPRUS	5											
UNITED KINGDOM	5											

Gap analysis: EPEA



Gap analysis: EPEA



Gap analysis: AFF

10 countries have compiled forestry accounts since 2008	Number of times compiled	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
		2	1	2	4	1	4	2	3	1	3
ALBANIA	8										
GEORGIA	4										
COSTA RICA	3										
INDONESIA	2										
CANADA	1										
ITALY	1										
MYANMAR	1										
PARAGUAY	1										
TAJKISTAN	1										
THE NETHERLANDS	1										

Gap analysis: AFF



Thank you

QUESTIONS FOR DISCUSSION:

1. Do we need a protocol for how capacity building initiatives should be provided?
This could include items such as:
 - a. Use of SEEA nomenclature
 - b. Use of approved training materials (linked to Area A)
 - c. Update global calendar
 - d. Communication through SEEA newsletter
 - e. Other?
2. The Global Assessment is a useful tool to conduct periodically; how can it be improved? Improvements could include:
 - a. Updating information obtained from secondary sources (providers of technical assistance)
 - b. Communicating with agencies other than the national statistics offices and add the information (but if it is contradictory?).
3. What can be done to reach the target for SEEA (100 countries) and EEA (50 countries) implementation?
4. What remains for this workstream to be done before the next Global Assessment in 2020, in addition to annual updates of capacity building initiatives on the global calendar (this could also be automated with Area A – Coordination).
5. Should the work-stream try to involve other stakeholders (from both the central framework as well as the ecosystem perspective)?