



The Water Risk Filter 5.0

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WWF-Germany



Explore...Assess...Value...Respond

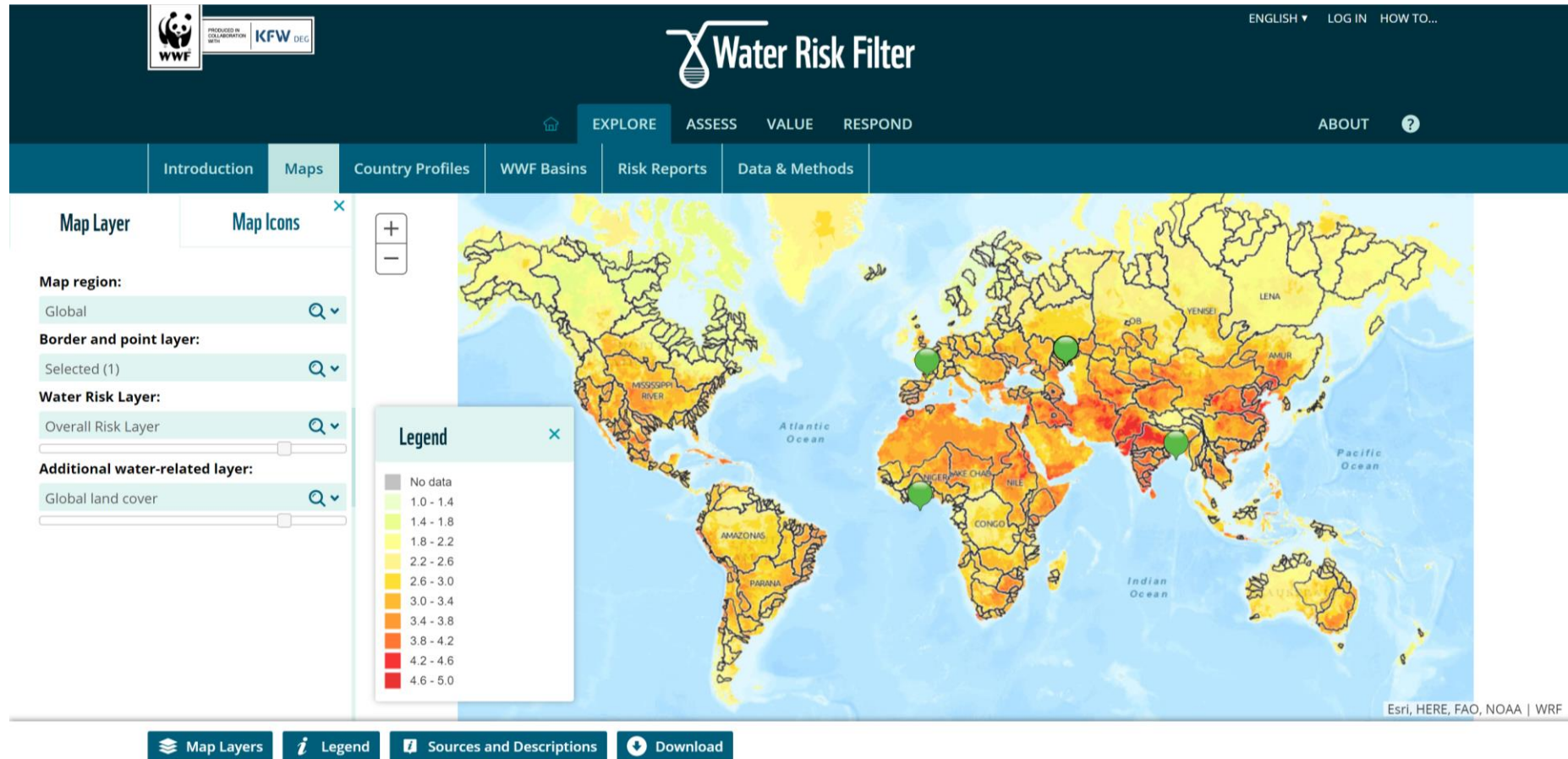
From water risk assessment to response



EXPLORE

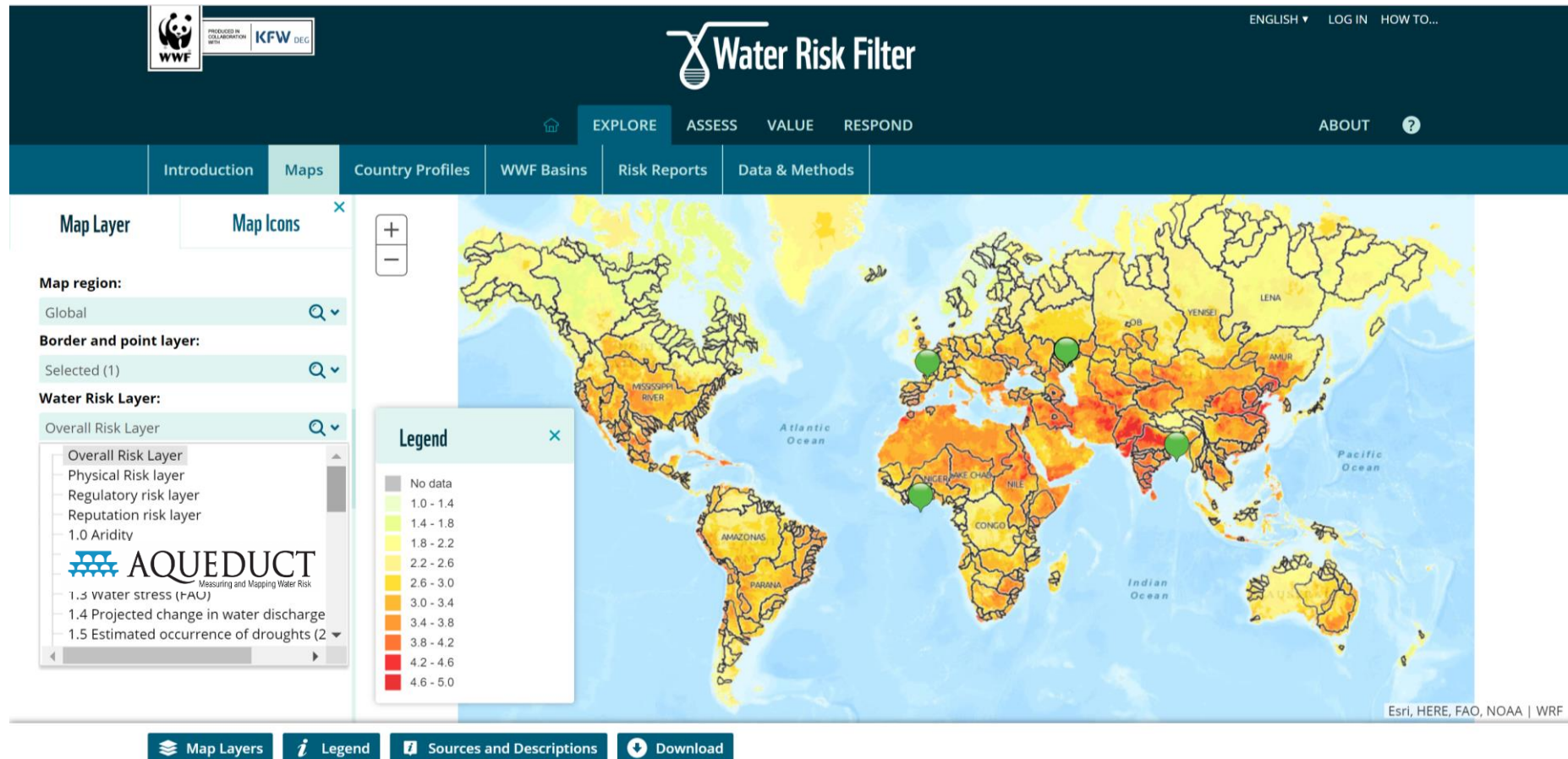


The Water Risk Filter 5.0 - Explore



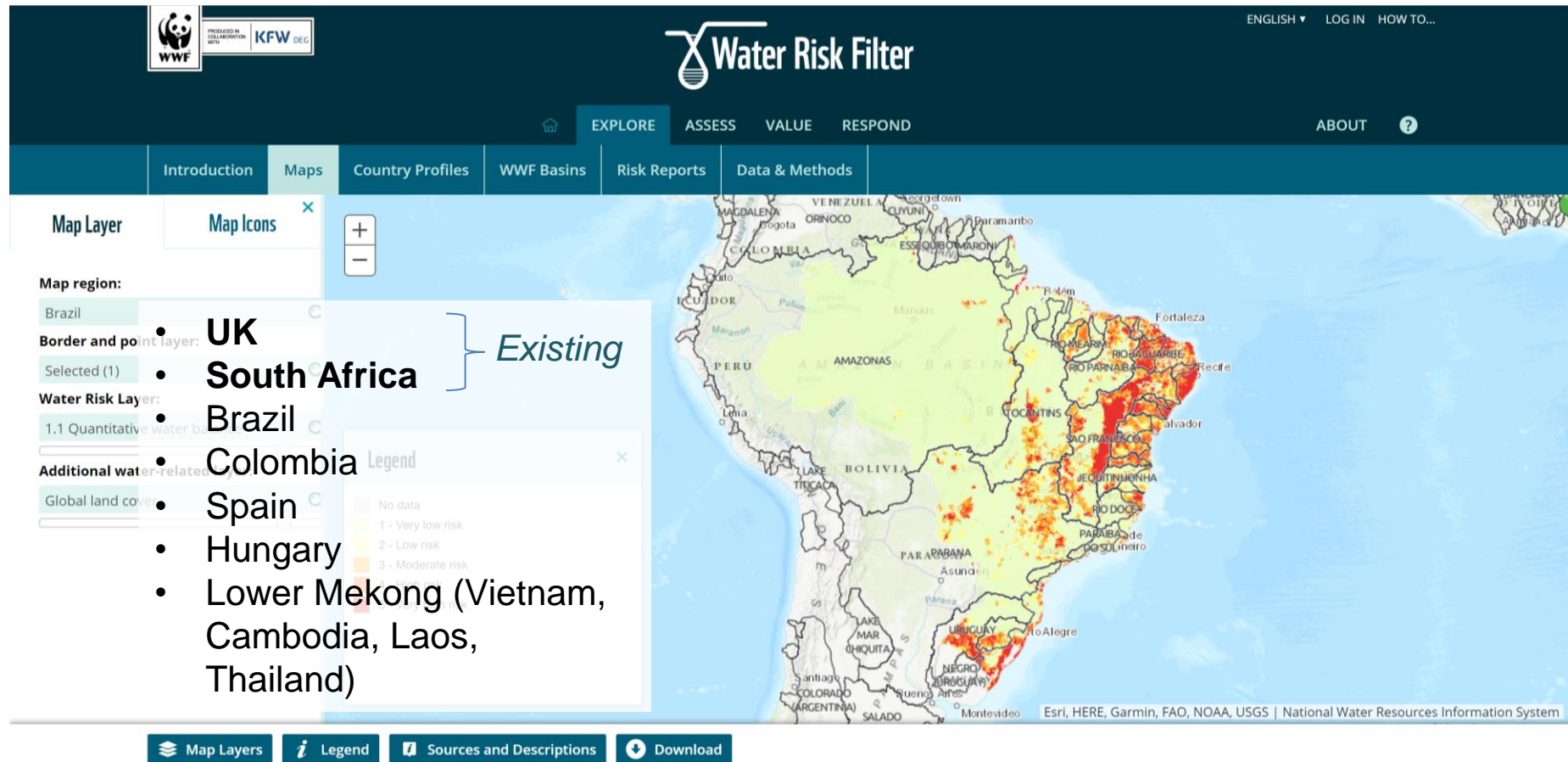
Explore a new mapping interface with new colours...

The Water Risk Filter 5.0 - Explore



...32+ map layers, including new future projection data...

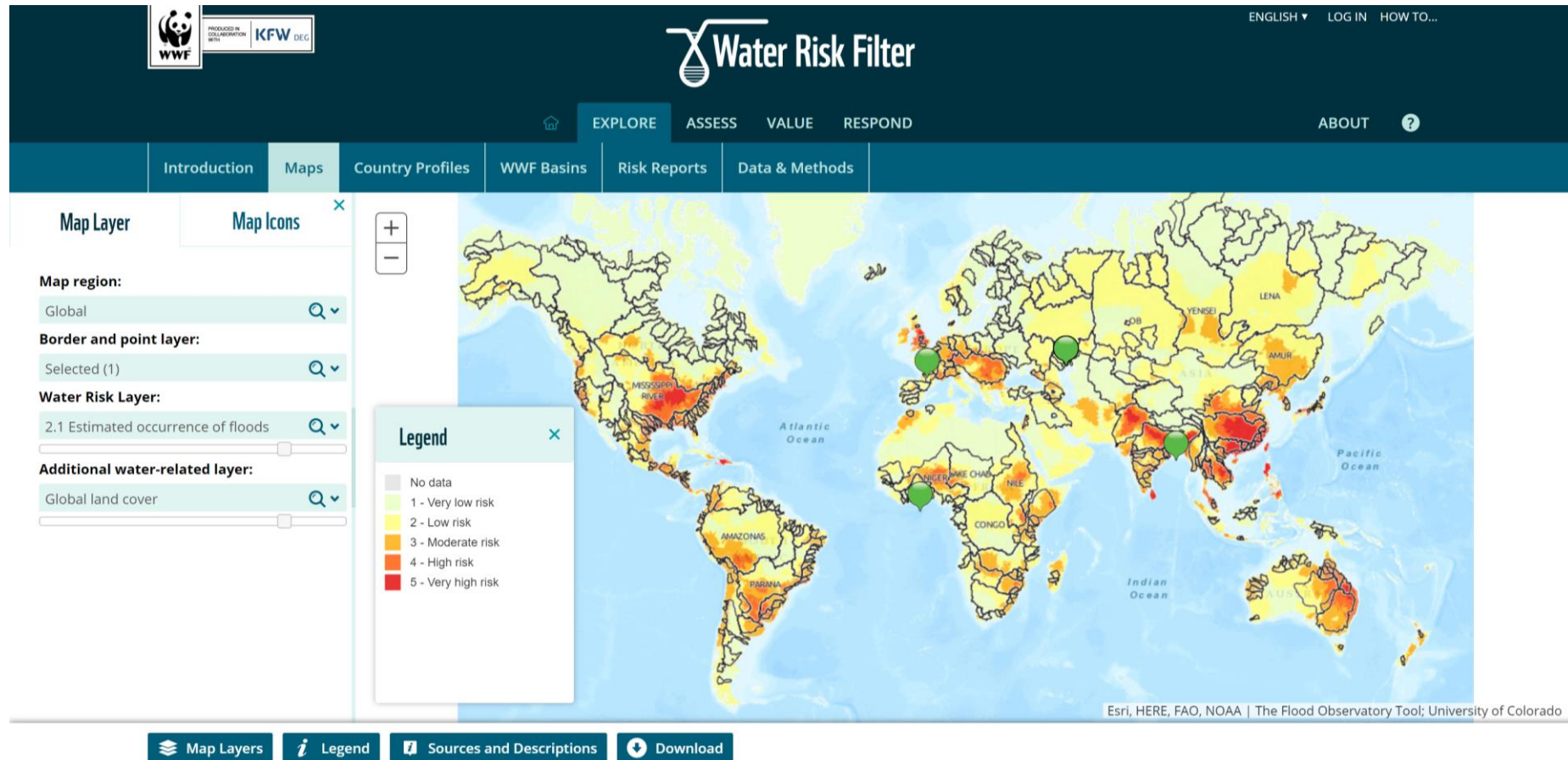
The Water Risk Filter 5.0 - Explore



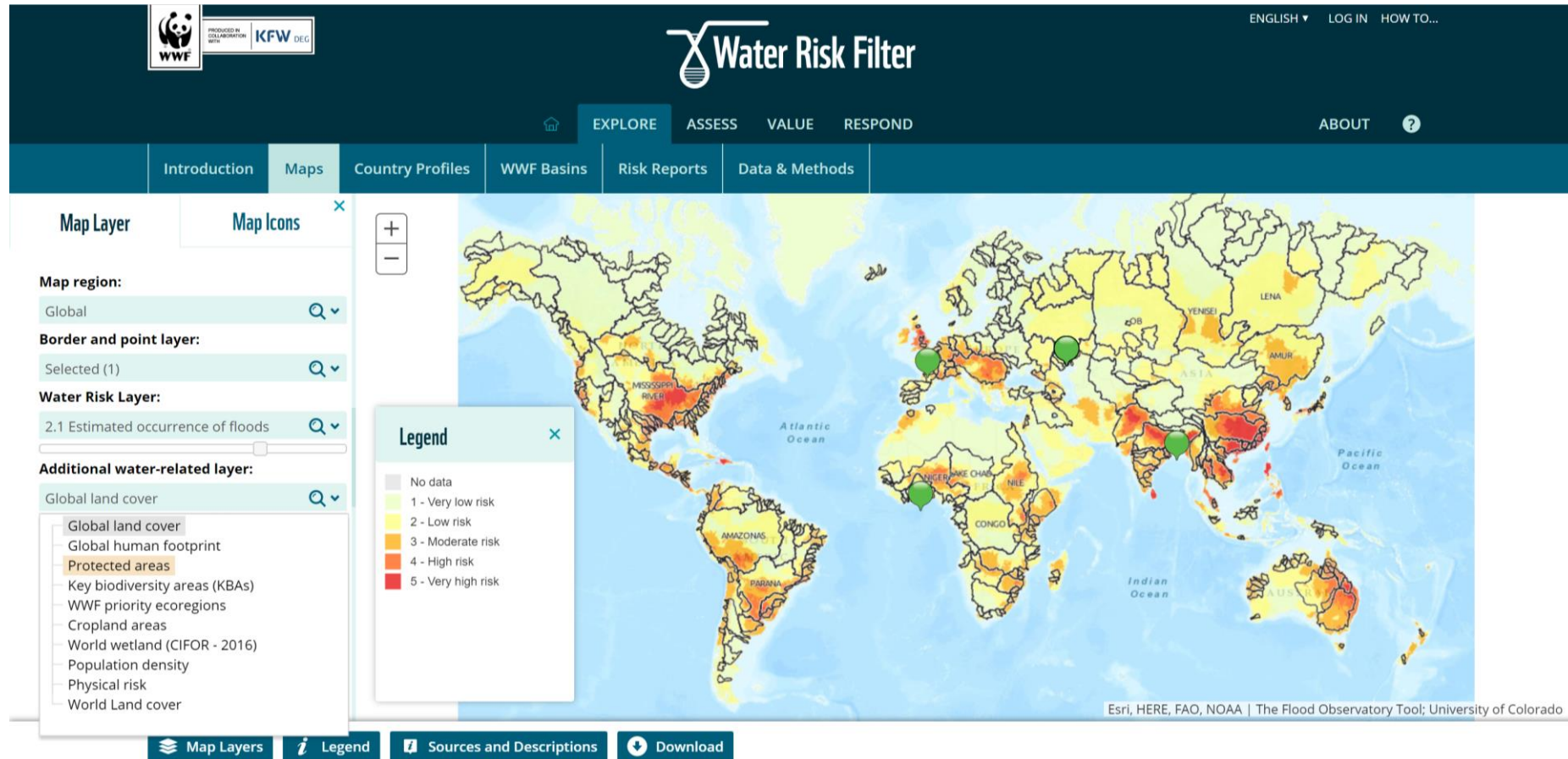
...new high resolution country data sets...



The Water Risk Filter 5.0 - Explore



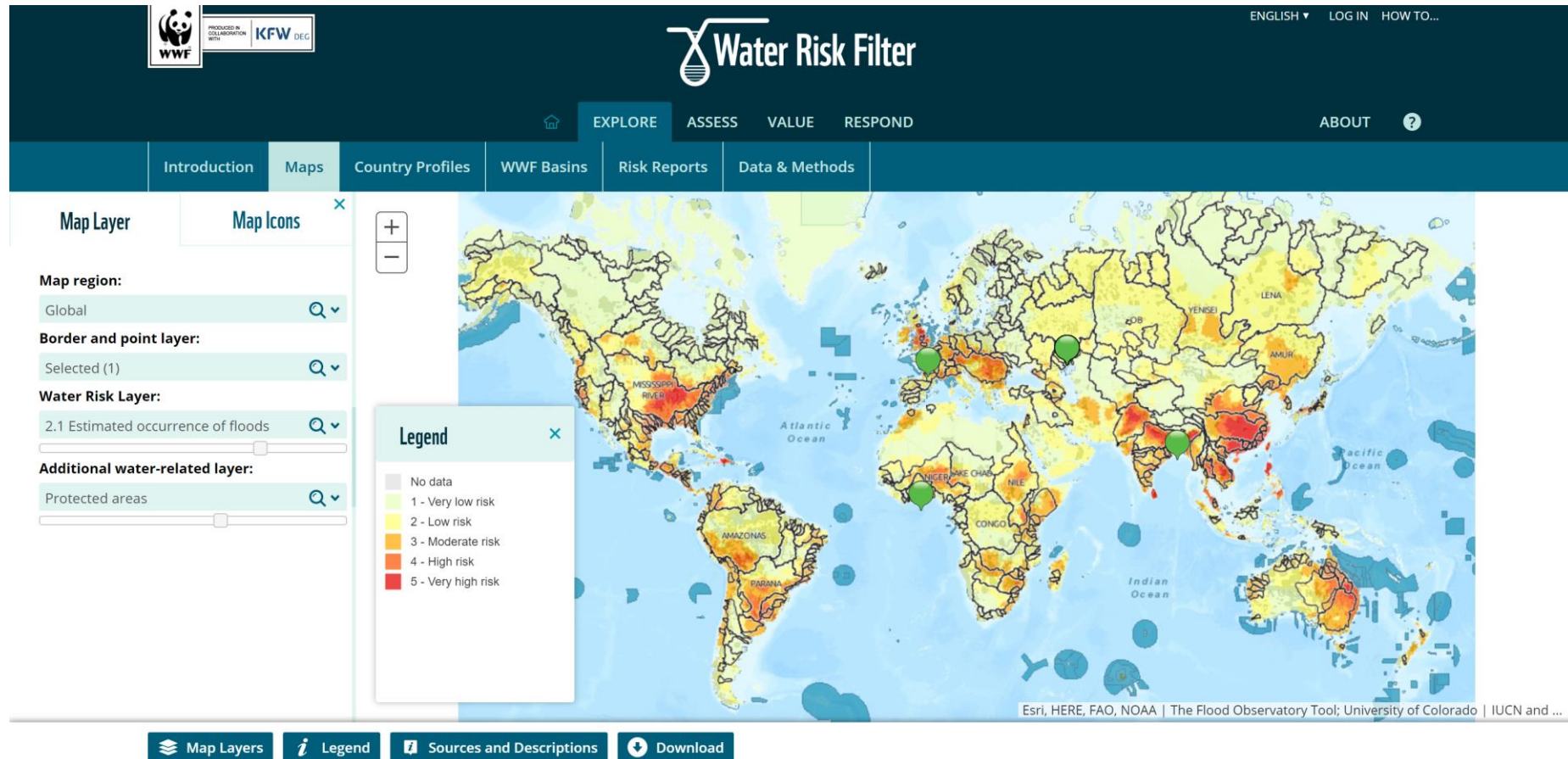
The Water Risk Filter 5.0 - Explore



...an ability to overlay data sets...






The Water Risk Filter 5.0 - Explore



The Water Risk Filter 5.0 - Explore



...and the flexibility to alter transparency to improve visualization

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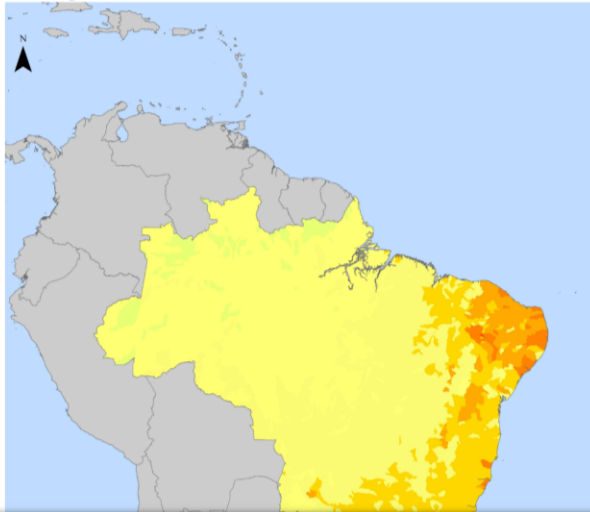
[EXPLORE](#)
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[VALUE](#)
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[?](#)

[Introduction](#)
[Maps](#)
[Country Profiles](#)
[WWF Basins](#)
[Risk Reports](#)
[Data & Methods](#)

[Country Overview](#)
[Country Comparison](#)

Data Filter
Brazil
Selected indicators (1)



Country Aspects
1. PHYSICAL ASPECTS
1.1. WATER RESOURCES
1.1.1. WATER RESOURCES

Brazil has always been considered a country rich in water. It is estimated that about 12 per cent of the world's surface water resources are located in the country. In 2007, per capita water availability reached 43,027m³ per year, more than the world average of 8,209m³ per capita in the same year. However, this impressive average masks an extremely uneven distribution of water resources among regions.

The Amazon river basin alone, which covers 48 per cent of the country's territory, accounts for 68 per cent of Brazil's freshwater resources but has almost 12 per cent of its population. The most dramatic departure from abundance can be found in the northeast region, which includes most of the country's semi-arid region. Accounting for 18 per cent of Brazil's territory and about 28 per cent of its population, the northeast region has only 3 per cent of the country's water resources and is subject to recurrent severe droughts, harvest failures, and food shortages. The southeast, with 73 per cent of the country's population, 11 per cent of its territory and about 7 per cent of its water resources, is the

Water Indicators
Risk scores and rankings



[Data Filter](#)
[Country Aspects](#)
[Water Indicators](#)
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Update country profile data with new water data...




The Water Risk Filter 5.0 - Explore









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EXPLOREASSESSVALUERESPONDABOUT ?





IntroductionMapsCountry ProfilesWWF BasinsRisk ReportsData & Methods

Country OverviewCountry Comparison

Data Filter
Brazil 
Overall Basin Risk (score) 

Country Comparison - Brazil

125	Brazil	2.57	
1	Lebanon	3.62	
2	Afghanistan	3.53	
3	Israel	3.51	
4	Iraq	3.43	
5	Pakistan	3.39	
6	Yemen	3.38	
7	Kuwait	3.38	
8	Jamaica	3.37	
9	Uzbekistan	3.37	
10	Iran	3.34	
11	Turkmenistan	3.34	
12	India	3.33	
13	Armenia	3.33	
14	Syria	3.32	
15	United Arab Emirates	3.31	
16	Egypt	3.31	
17	Libyan Arab Jamahiriya	3.29	
18	Tunisia	3.28	
19	Eritrea	3.28	



Data FilterCountry AspectsWater IndicatorsDownload


...and a new ability to compare country data...



The Water Risk Filter 5.0 - Explore







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EXPLORE

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ABOUT ?

IntroductionMapsCountry ProfilesWWF BasinsRisk ReportsData & Methods

Country OverviewCountry Comparison

Data Filter

Egypt

1. Quantity - Scarcity (score)

Overall Basin Risk (score)
Overall Basin Risk (rank)
Physical risk (score)
Physical risk (rank)
Regulatory risk (score)
Regulatory risk (rank)
Reputation risk (score)
Reputation risk (rank)
1. Quantity - Scarcity (score)
1. Quantity - Scarcity (rank)
2. Quantity - Flooding (score)

Country Comparison - Egypt

7	Egypt	3.83	
1	United Arab Emirates	4.27	
2	Qatar	4.25	
3	Kuwait	4.22	
4	Israel	4.19	
5	Bahrain	4.10	
6	Lebanon	4.04	
7	Egypt	3.83	
8	Malta	3.80	
9	Andorra	3.78	
10	Antigua and Barbuda	3.75	
11	Barbados	3.75	
12	British Virgin Islands	3.75	
13	Grenada	3.75	
14	Martinique	3.75	
15	Montserrat	3.75	
16	Saint Kitts and Nevis	3.75	
17	Saint Lucia	3.75	
18	Saint Vincent and the Grenadines	3.75	
19	Saint-Martin	3.75	

Data Filter

Country Aspects

Water Indicators

Download

...by country and indicator.



The Water Risk Filter 5.0 - Explore



The screenshot displays the 'Water Risk Filter 5.0 - Explore' interface. At the top, there's a dark blue header with the WWF logo, a 'PRODUCED IN COLLABORATION WITH KFW DEG' badge, and the 'Water Risk Filter' logo. Navigation links include 'ENGLISH', 'FREE WEBINAR', 'LOG OUT', 'HOW TO...', 'EXPLORE', 'ASSESS', 'VALUE', 'RESPOND', 'ABOUT', and a help icon. Below this is a secondary navigation bar with 'Introduction', 'Maps', 'Country Profiles', 'WWF Basins', 'Risk Reports', and 'Data & Methods'. The main content area is titled 'WWF Basin Story Maps' and features a horizontal menu with various basins: Amazon, Buyuk Menderes, Irrawaddy, Mara, Mekong, Rivers of Romania, Upper Zambezi, and Zambezi, Kafue Flats. The 'Amazon' basin is selected, showing a map of the Amazon region with labels for COLOMBIA, ECUADOR, PERU, SURINAME, FRENCH GUIANA, and BRAZIL. A legend is visible in the top right of the map area. On the left side of the map, there's a text panel titled 'The Unique Amazon' with the following text: 'Everyone knows the Amazon is unique: unique in scale, in its diversity of wild nature and human societies, and in the cultural significance it holds in the global consciousness. The Amazon is also uniquely important for human well...'. Social media icons for Facebook, Twitter, and LinkedIn are present at the top of the text panel. A vertical sidebar on the left contains a home icon, a list of dots, and a checkmark icon.

Compelling story maps detailing how we work at WWF...



The Water Risk Filter 5.0 - Explore



Water Risk Reports



Assessing Water Risk; A Practical Approach for Financial Institutions WWF/DEG.

Development of first methodology to structure and quantify water related risks for financial institutions, based on standard practice risk modelling and best available scientific data sources. This study has been the origin of the online Water Risk Filter.

http://awsassets.panda.org/downloads/deg_wwf_water_risk_final.pdf



Understanding water risk - WWF.

Water scarcity risks are subjective and vary from time to time and from place to place. Thus there can be no single response to risk management. However, there are four key principles that apply to all interests and should be used to shape effective management and mitigation of water scarcity risks.

http://19assets.dev.wwf.org.uk/downloads/understanding_water_risk.pdf



Investigating shared risk in water - WWF.

Corporate risk related to water is likely to become more significant into the 21st century, due to increasing water stress internationally, investor perceptions and public awareness.

http://www.wwf.org.uk/wwf_articles.cfm?unewsid=2836



Lloyds 360 risk report - Pegasys/WWF.

Businesses around the world must act now if they are to fend off the threat of a growing water shortage.

[http://www.lloyds.com/News-and-Insight/Risk-Insight/Reports/Climate-Change/Global-](http://www.lloyds.com/News-and-Insight/Risk-Insight/Reports/Climate-Change/Global-Water-Scarcity)

[Water-Scarcity](http://www.lloyds.com/News-and-Insight/Risk-Insight/Reports/Climate-Change/Global-Water-Scarcity)



Public Policy Guidelines - UN Global Compact - CEO Water Mandate.



This guide provides principles, concepts, practical steps, and case examples that can facilitate companies' responsible engagement with water policy in a manner that reduces


...review our comprehensive library of water risk reports...




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Water Risk Filter


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ABOUT ?

Introduction Maps Country Profiles WWF Basins Risk Reports Data & Methods


Data & Methods

The Water Risk Filter Methodology


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Global – Indicators, Sources and Descriptions


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Brazil – Indicators, Sources and Descriptions


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Colombia – Indicators, Sources and Descriptions

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Greater Mekong – Indicators, Sources and Descriptions

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South Africa – Indicators, Sources and Descriptions

...or get the nitty gritty on our data & methods.



ASSESS

The Water Risk Filter 5.0 - Assess

Basin water risk



(i.e., the nature of your basin – contextual water status & other users)

Operational water risk






(i.e., the nature of your business & your operational practices)



The Water Risk Filter 5.0 - Assess

Risk Aspect	Risk Sub-Aspects	
Physical	Quantity – scarcity*	Too little Too much Too dirty Too damaged
	Quantity – flooding*	
	Quality	
	Ecosystem service status*	
Regulatory	Enabling environment (laws & policy)	SDG 6.5 (IWRM) / Water Governance framework
	Institutions & governance	
	Management instruments	
	Infrastructure & finance	
Reputational	Cultural importance of water	Drivers of reputational water risk
	Media scrutiny	
	Corporate trust	
	Water conflict	



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EXPLORE ASSESS VALUE RESPOND

ABOUT ?

Introduction Basin Risk Operational Risk Analyse Risk Analyse Opportunity

Single site: Add new Edit Delete

Portfolio: Add new Edit Delete

+

-

Facility Name*:

Select Industry*:

Select Exact Location*:

(type address or use map pointer)

No industries

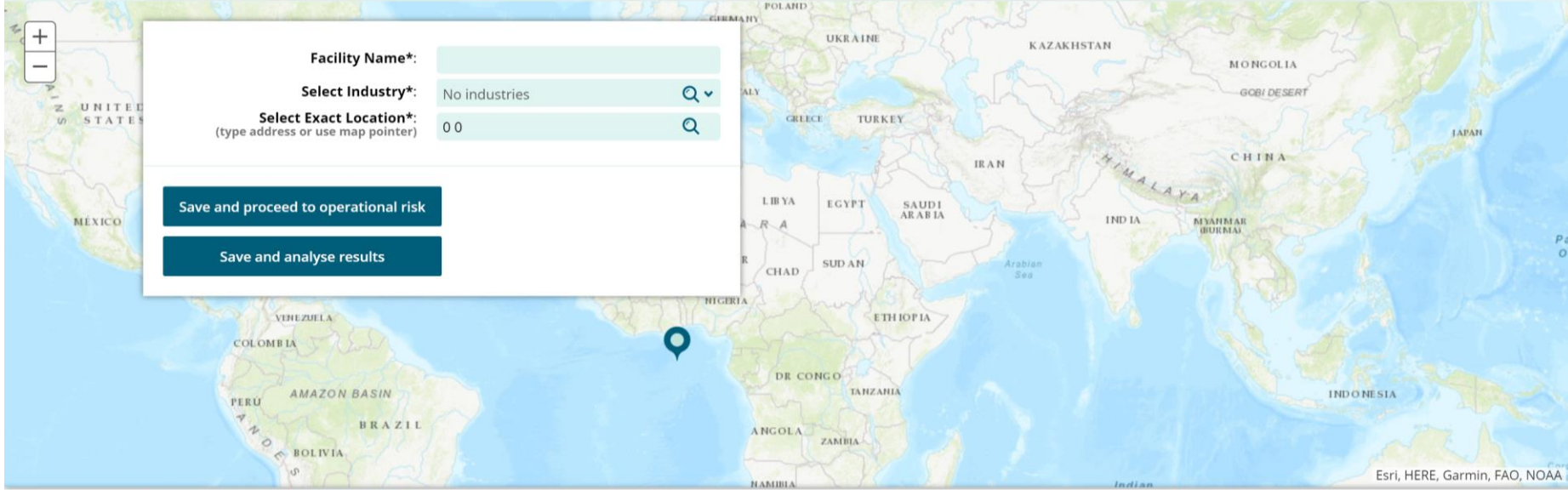
00


Q v


Q

Save and proceed to operational risk

Save and analyse results



 Facility Filter

 Quick Info

Assess basin risk with three simple entries...



The Water Risk Filter 5.0 - Assess



WWF KFW DEG

Water Risk Filter

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ABOUT ?

Introduction Basin Risk Operational Risk Analyse Risk Analyse Opportunity

Single site: Add new Edit Delete Portfolio: Add new Edit Delete

Facility Name*: Stockholm Water Week

Select Industry*: Other (cross-sector average) Q v

Select Exact Location*: Stockholm, Sweden Q

Save and proceed to operational risk

Save and analyse results

Facility Filter Quick Info

Esri, HERE, Garmin, FAO, NOAA

...just like that (or bulk upload if you wish)...



The Water Risk Filter 5.0 - Assess



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Water Risk Filter

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ABOUT ?

Introduction Basin Risk Operational Risk Analyse Risk Analyse Opportunity

Single site: Add new | Edit | Delete Portfolio: Add new or Edit | Delete

Facility Filter Facilities 250

1 Beverage Producer (local dataset) <

Industry: Food & Beverage Production

Country: Brazil

Province: PA

Basin: No data

Sub-basin: No data

Zoom Edit Delete

106

124

132

148

Rapid Assessment

Detailed Assessment

Scores can be generated at a facility specific level by filling in the questionnaire. All answers to the questionnaire can be saved to allow the user to return to complete the questionnaire at another time. You can also send the questionnaire - fully secured - to another user, for example a plant manager, who will be able to enter information on your behalf.

The questions with water drops are direct risk indicators. Other questions do not influence the risk scores, but may help to better understand the water situation of your company. This may be helpful when defining what your company can do to respond to water issues and mitigate some of the risks.

Operational related risk

Physical Risk

Scarcity (Quantity)

i. In which ways does the site use water?

ii. How important is the current and future use of water quantity and quality for operating/processing at this site?

Pollution (Quality)

Risk Indicator

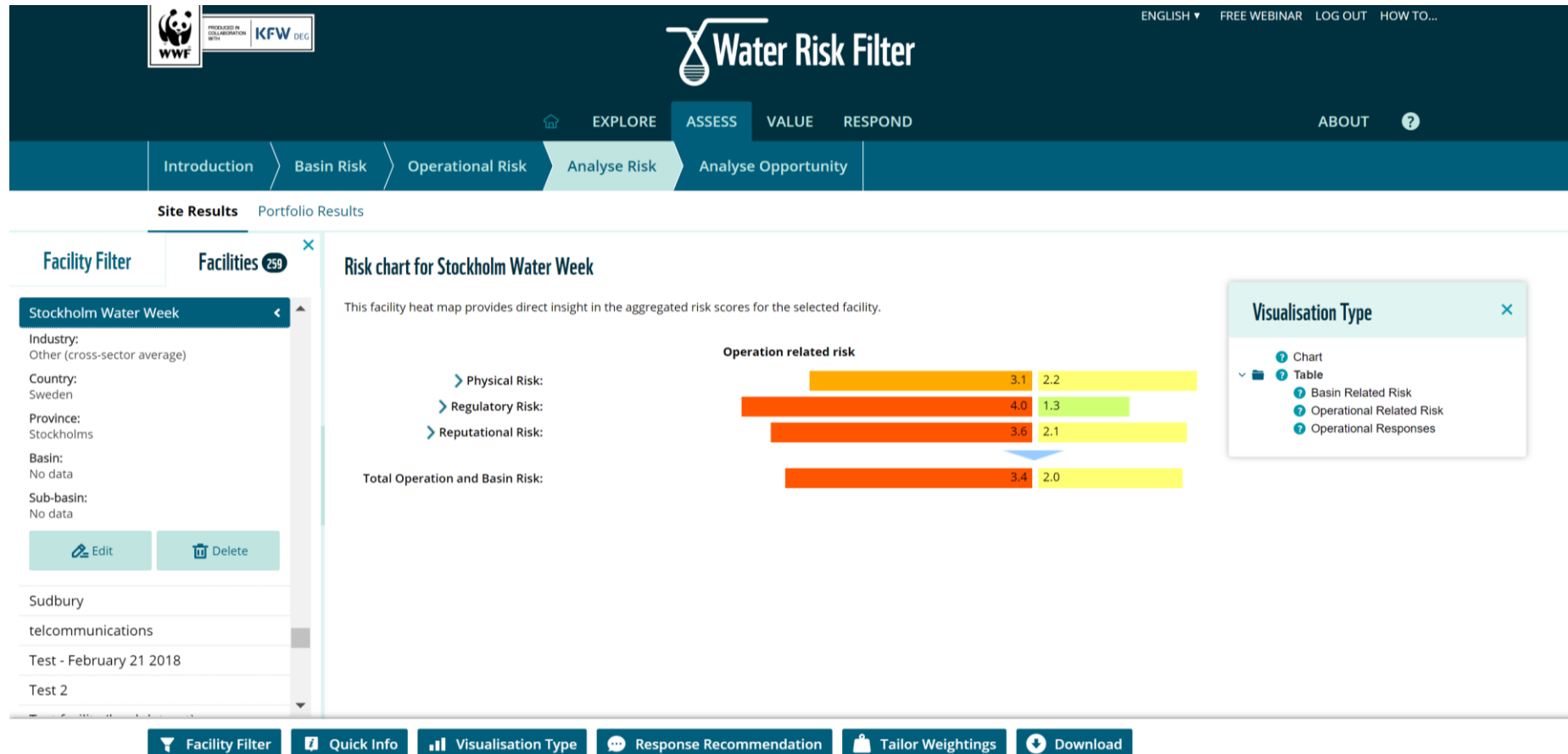
POWERED BY CDP DATA

Facility Filter Quick Info Download

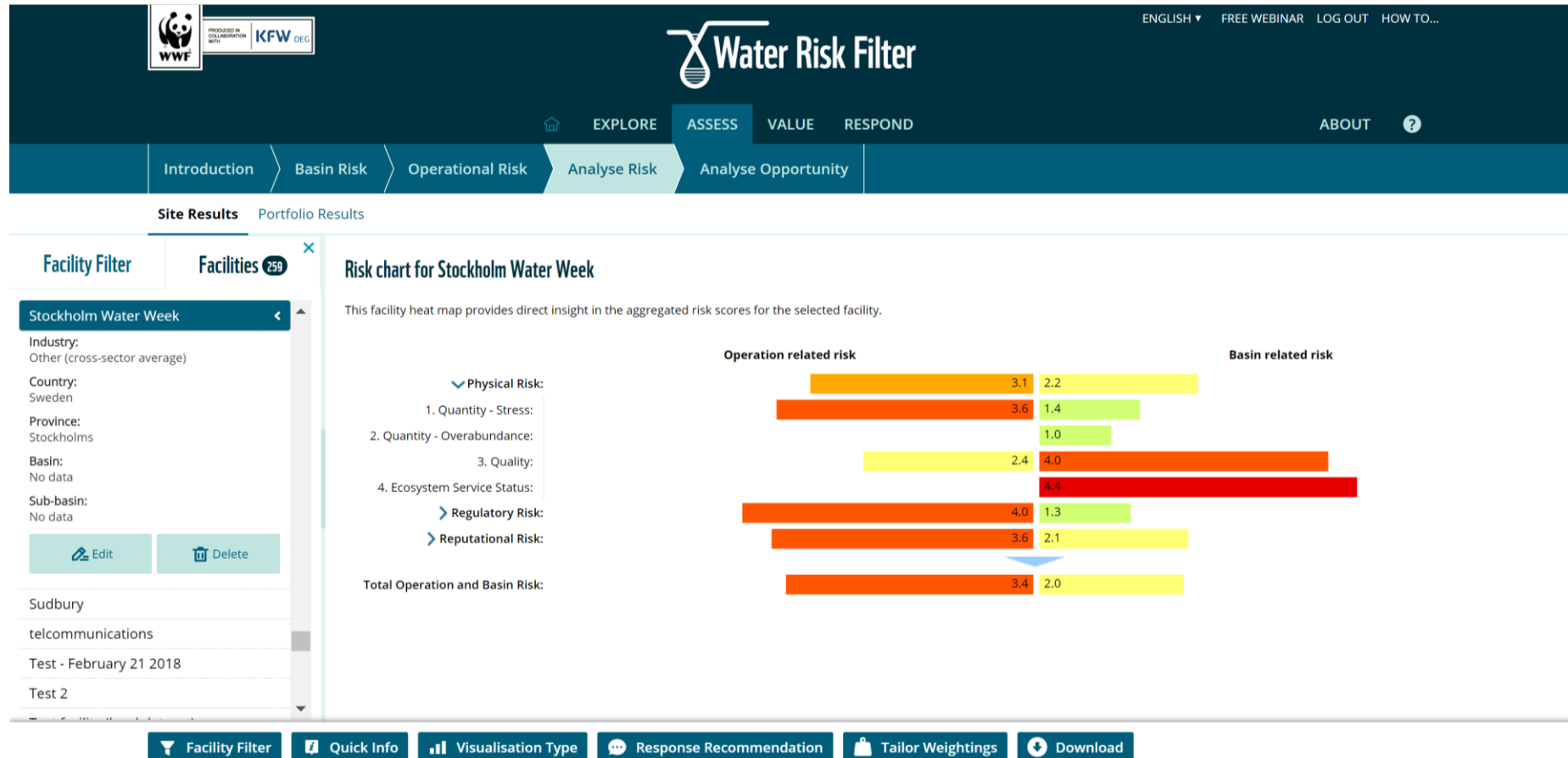
...next assess operational risk (rapid or detailed)...



The Water Risk Filter 5.0 - Assess



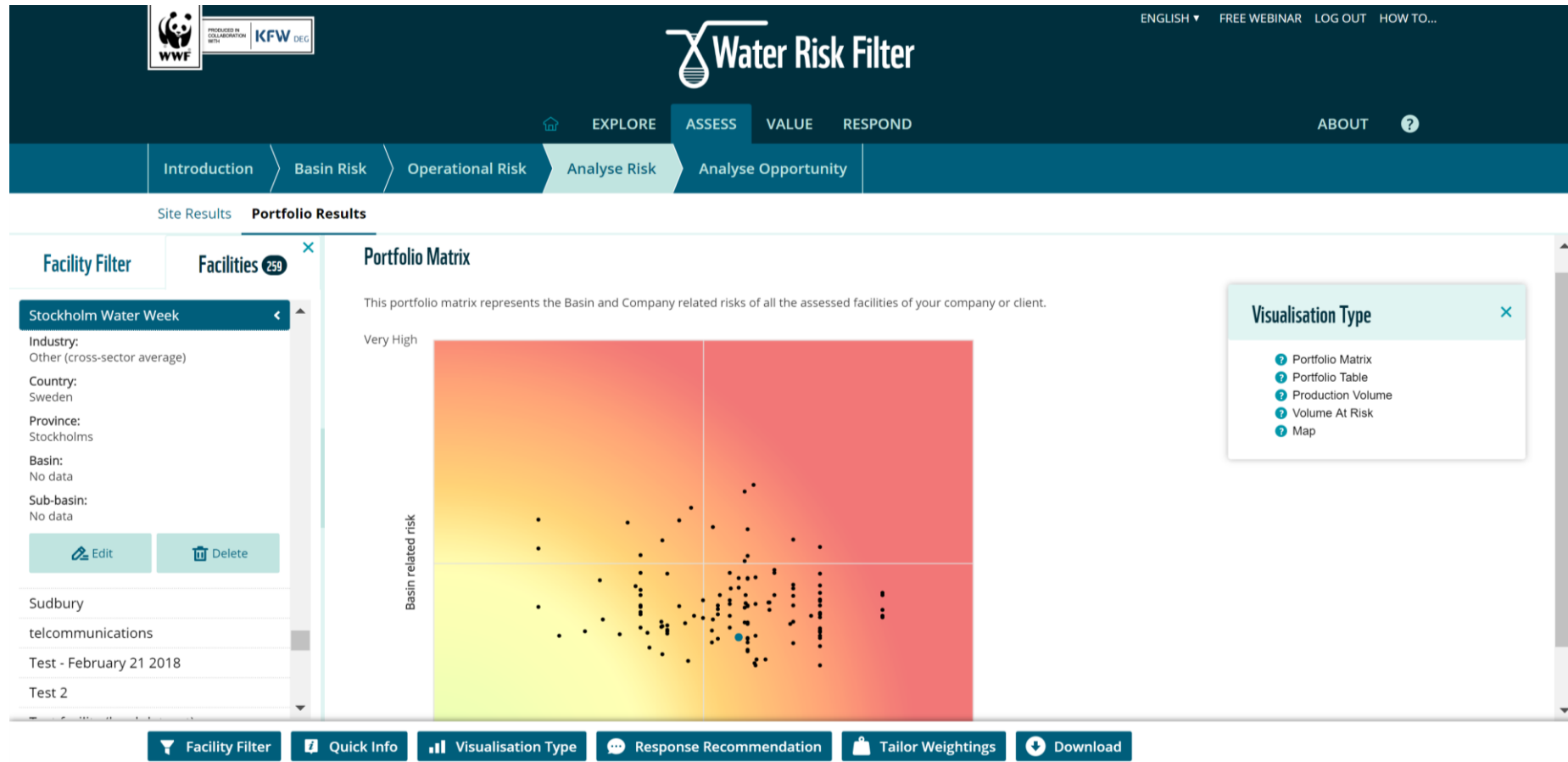
...analyse the results via easy-to-understand charts...



...that can be broken down for quick interpretation by site...



The Water Risk Filter 5.0 - Assess

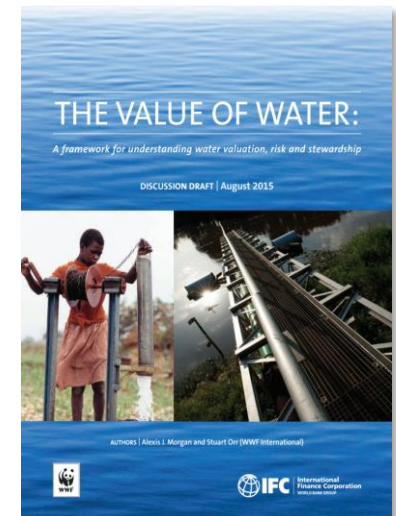




...or as an entire portfolio.




Three sections:

- 1) Valuation approach finder
- 2) Value potentially affected tool
- 3) Valuing Rivers (for the economy)





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EXPLORE ASSESS **VALUE** RESPOND

ABOUT ?

Introduction Valuation Approach Finder Value Potentially Affected Tool Valuing Rivers

Valuation Approach Finder

© WWF

	Facility value creation / loss from water use	Corporate value creation / loss from water use	Economic value creation / loss from water use for goods & services	Socio-Ecological value derived from human water use and created by hydrological systems
Principles & Frameworks				
Reports & Guidance	COST	VALUE		
Methodologies & Calculators	FOCE			

Value to the facility → Value to society

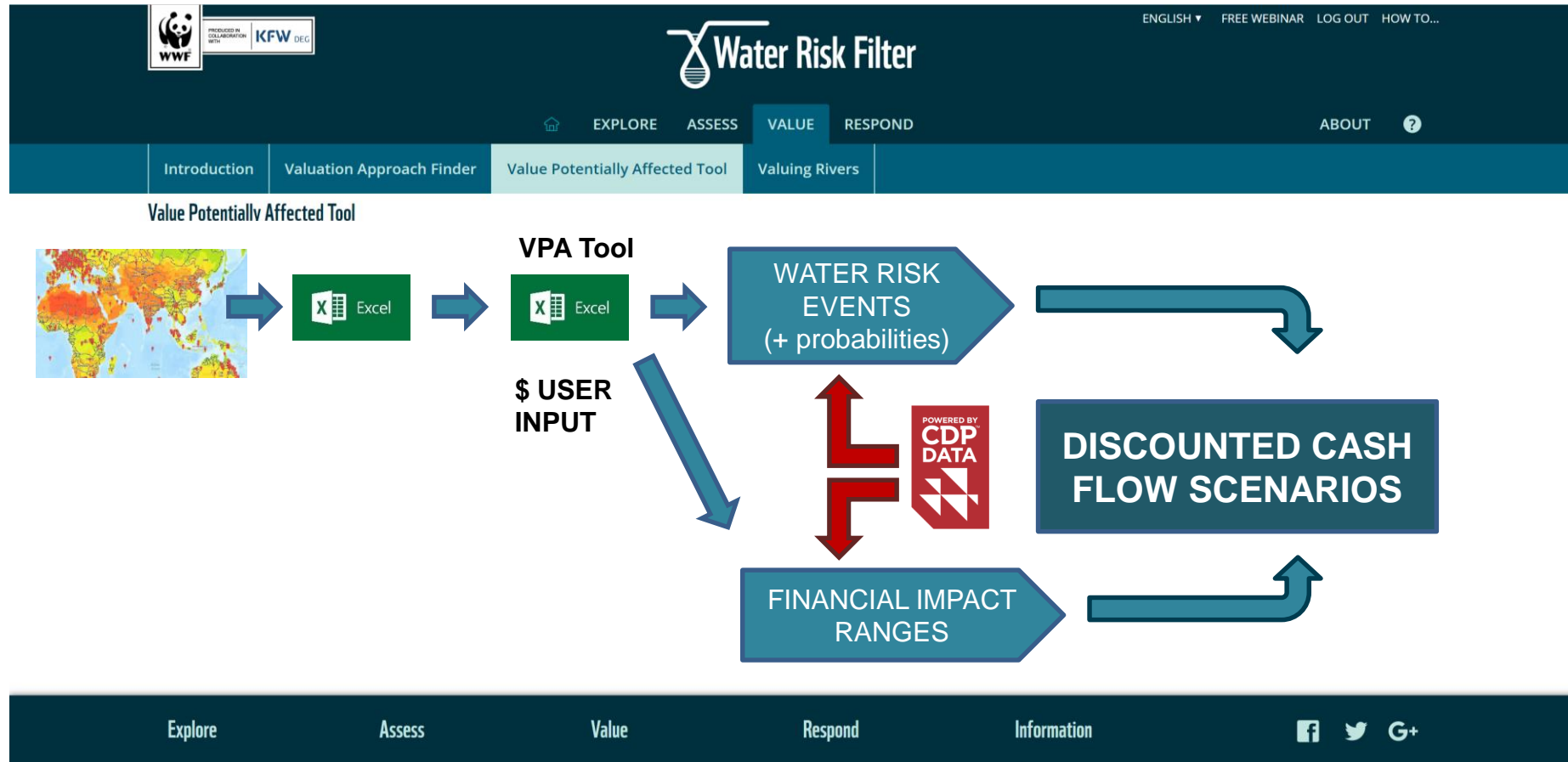
Filter and to find the right tool by:

- Form/type of tool
- Audience
- Target sector
- Type of value
- Valuation methodology
- Developer
- Accessibility

Explore Assess **Value** Respond Information

f t G+

Find the right tool to value water in the right way...



...or calculate the value potentially affected...






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EXPLORE ASSESS **VALUE** RESPOND

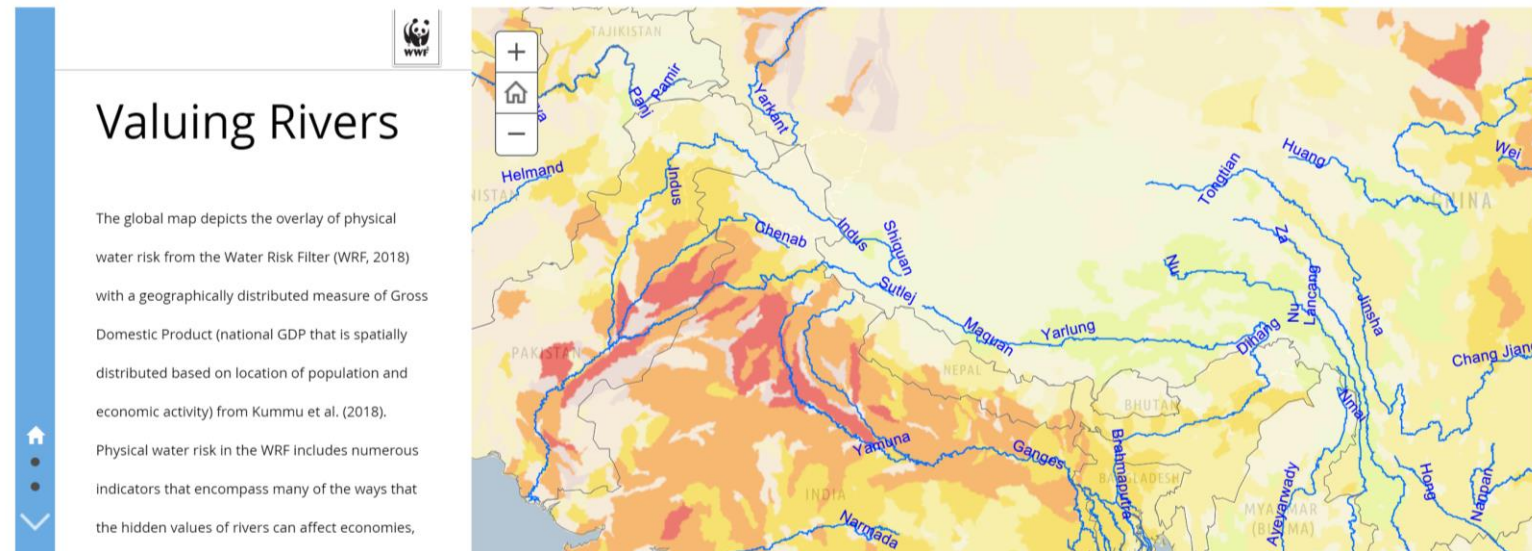
ABOUT ?

Introduction Valuation Approach Finder Value Potentially Affected Tool **Valuing Rivers**

Valuing Rivers

As we consider the relationship between water risk, value and river basins, it is critical that we begin to appreciate the value that rivers provide. Not only do rivers provide value - not only to companies, but to entire economies. Our publication, Valuing Rivers, outlines how river systems are critical not only to risk mitigation but to value creation.

The map below, combining data from the Water Risk Filter and Kummu et al. (2018), outlines the link between GDP and water risk.

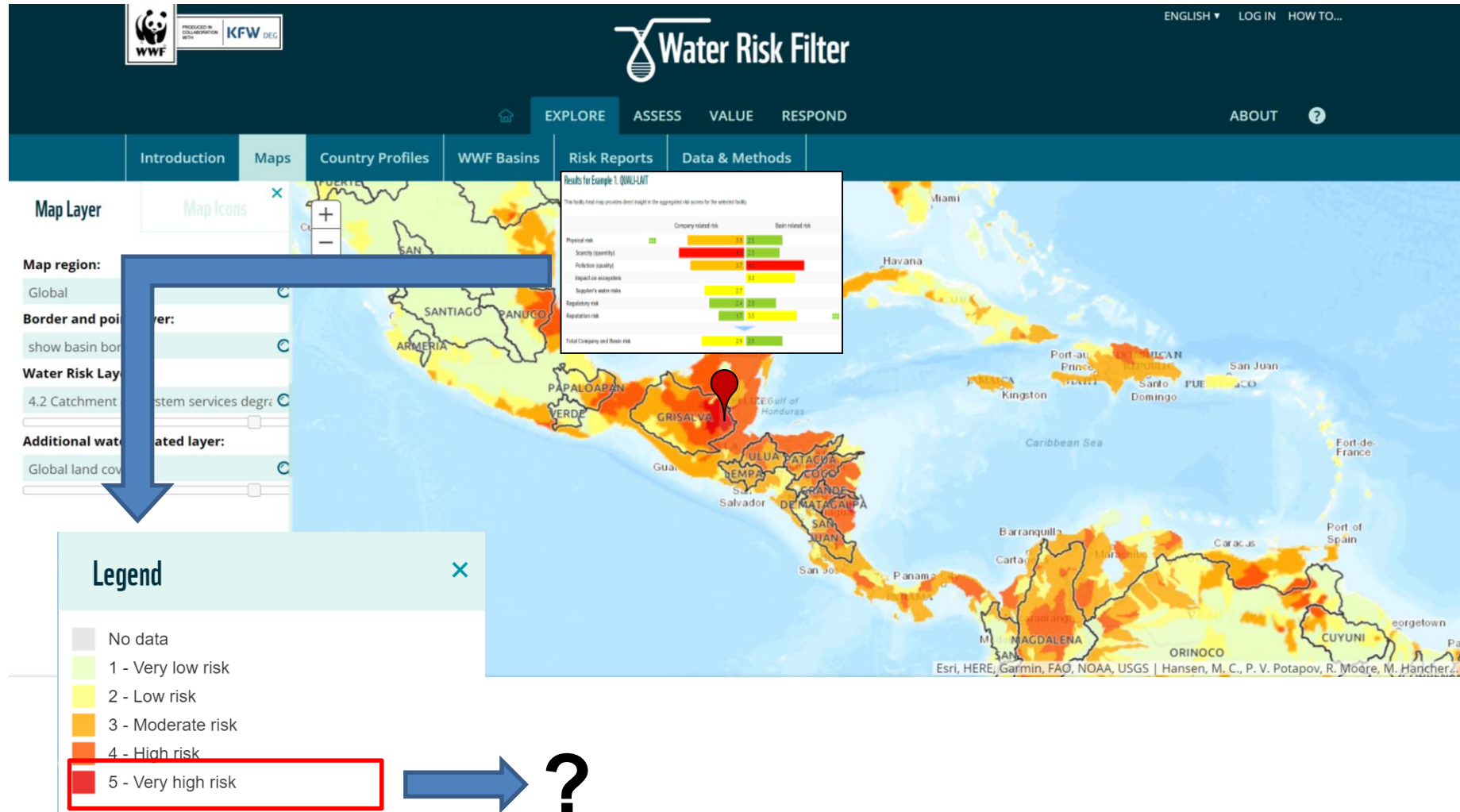


...or explore the value of rivers in the economy.





RESPOND


The Water Risk Filter 5.0 - Respond



From water risk assessment to... Response!

The Water Risk Filter 5.0 - Respond



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[Generic Response Tool](#)
[Contextual & Context-Based Water Targets](#)

Facility Filter

1 Beverage Producer (local dataset)

Industry: Food & Beverage Production

Country: Brazil

Province: PA

Basin: No data

Sub-basin: No data

Edit

Delete

106

124

132

148

16

Facilities 259

Priority List / Graph of custom recommendations

01 - Water awareness and internal capacity

02 - Strategy and business planning

03 - Collective action

04 - Disclosure and reporting

05 - Water Governance

06 - Operations, performance measurement & management

07 - Policies, standards and plans

08 - Risk awareness

09 - Stakeholder engagement

10 - Value chain engagement

0%20%40%60%

Distribution of customized recommendations by category

Visualisation Type

Priority List /Graph

Matrix

Table

Facility Filter




Quick Info

Visualisation Type

Response Filter

Download

Go beyond risk assessments to recommended responses...

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RESPOND

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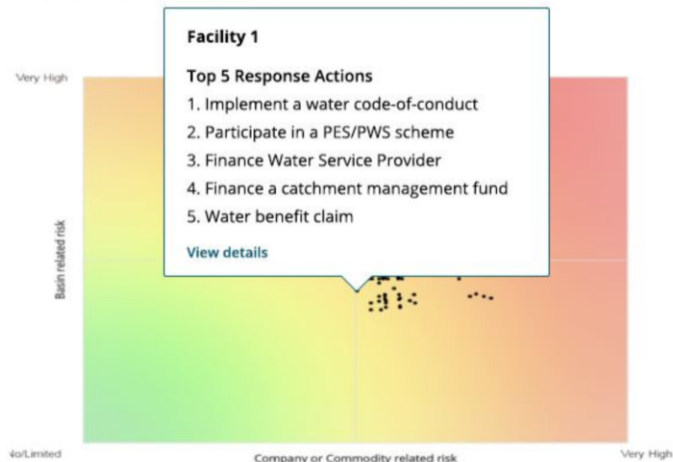
Introduction
Custom Recommendations
Generic Response Tool
Contextual & Context-Based Water Targets

Facility Filter
Facilities 259

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Province: PA
Basin: No data
Sub-basin: No data
Edit
Delete

106
124
132
148
10

Matrix of custom recommendations



Facility 1
Top 5 Response Actions
1. Implement a water code-of-conduct
2. Participate in a PES/PWS scheme
3. Finance Water Service Provider
4. Finance a catchment management fund
5. Water benefit claim
View details

Visualisation Type

Priority List /Graph
Matrix
Table

Facility Filter
Quick Info
Visualisation Type
Response Filter
Download

...drawing on *your* risk results to offer >130 response actions...



The Water Risk Filter 5.0 - Respond



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Introduction Custom Recommendations Generic Response Tool Contextual & Context-Based Water Targets

Facility Filter

Facilities 259

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Industry: Food & Beverage Production

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Edit Delete

106

124

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148

16

Table of custom recommendations

Ranked Priority	Response Category	Action - short description
1	09 - Stakeholder engagement	Identify stakeholders & water challenges
2	01 - Water awareness and internal capacity	Understand regulation & tariffs
3	07 - Policies, standards and plans	Understand water across your operations
4	07 - Policies, standards and plans	Incorporate water into response plan
5	07 - Policies, standards and plans	Provide WASH to on-site workers
6	02 - Strategy and business planning	Appeal to staff's values on water
7	06 - Operations, performance measurement & management	Gather data on stakeholder perceptions
8	06 - Operations, performance measurement & management	Finance water innovation
9	07 - Policies, standards and plans	Understand water rights & licenses
10	08 - Risk awareness	Assess water risks to energy supplies
11	10 - Value chain engagement	Substitute damaging products or materials
12	01 - Water awareness and internal capacity	Understand water infrastructure dependencies
		Manage invasive species at the site

Visualisation Type

Priority List /Graph

Matrix

Table


Facility Filter Quick Info Visualisation Type Response Filter Download

...sorted & prioritized for you based on your responses...





The Water Risk Filter 5.0 - Respond





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Table of custom recommendations

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Industry:
Food & Beverage Production

Country:
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Province:
PA

Basin:
No data

Sub-basin:
No data

Edit Delete

Ranked Priority	Response Category	Action - short description	Action - long description	AWS Standard 1.0 Reference
5	09 - Stakeholder engagement	Identify stakeholders & water challenges	Identify stakeholders, their water-related challenges and the site's sphere of influence	6.6
8	06 - Operations, performance measurement & management		Understand water	
9	07 - Policies, standards and plans		Assess water risks t	
10	08 - Risk awareness		Substitute damaging	
11	10 - Value chain engagement		Understand water i	
12	01 - Water awareness and internal capacity		Manage invasive sp	

Facility Filter Quick Info Visualisation Type Response Filter Download



The CEO Water Mandate

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SEARCH RESULTS: "ECOSYSTEM SERVICE"

Connect to the resources that help you advance water stewardship

Home Library Search results for "ecosystem service"

Follow Follow @GDO_steward

Showing 1 - 8 of 10 results Sort by relevance

Search ecosystem service

Phase of Journey

Operations Context Strategy Engagement Communication Human Rights & SDGs Sector-Specific

Type of Resource

Datasets Good Practices

Mlalakua River Restoration Project (MRRP)

The overall objective of the Mlalakua River Restoration Project (MRRP) was to restore the health of the Mlalakua River and to prevent further pollution on a sustained basis. This...

READ MORE

Saint Lucia Water Stewardship Partnership (Act)

This partnership formed to achieve several objectives in a participatory manner. Among the objectives were to identify fast-working, effective measures to improve erratic water

READ MORE

The Water Risk Filter 5.0 - Respond

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Facility Filter

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12	01 - Water awareness and internal capacity	Understand water infrastructure dependencies
		Manage invasive species at the site

Response Filter

05 - Water Governance

All Risk Types

All Implementers

All Stewardship Levels

All Alliance for Water ...

All Ceres Aqua Gauge ...

All SDG6 Targets

All Resilience Actions

All Supplemental Sector ...

Facility Filter Quick Info Visualisation Type Response Filter Download



Explore...Assess...Value...Respond

From water risk assessment to response

3,000

Number of users that
entrust their water risk
assessments to the
Water Risk Filter

\$14
billion

The reported
amount of value lost
in 2016 from water
risk events (CDP
Water)

200,000

Number of sites
assessed to date in
the Water Risk Filter

Thank you

For more information:

Ariane Laporte-Bisquit

Manager, Water Risk Filter
WWF-Germany

ariane.laporte-bisquit@wwf.de

 [@WWFWaterRisk](https://twitter.com/WWFWaterRisk)

Thank you for visiting

<http://waterriskfilter.org>