The Water Risk Filter

waterriskfilter.org

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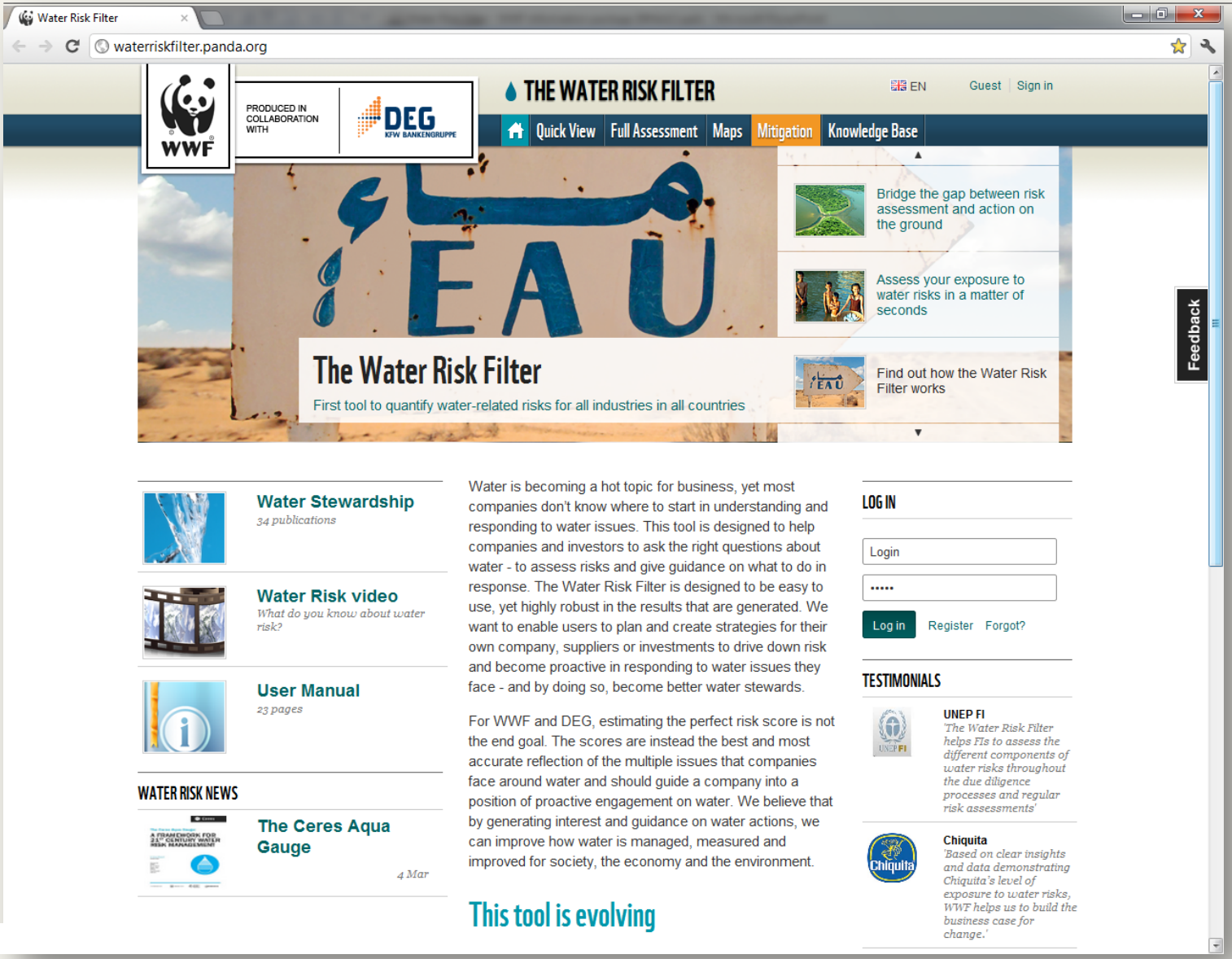
09 July, 2012

Waterriskfilter.panda.org launched March 28

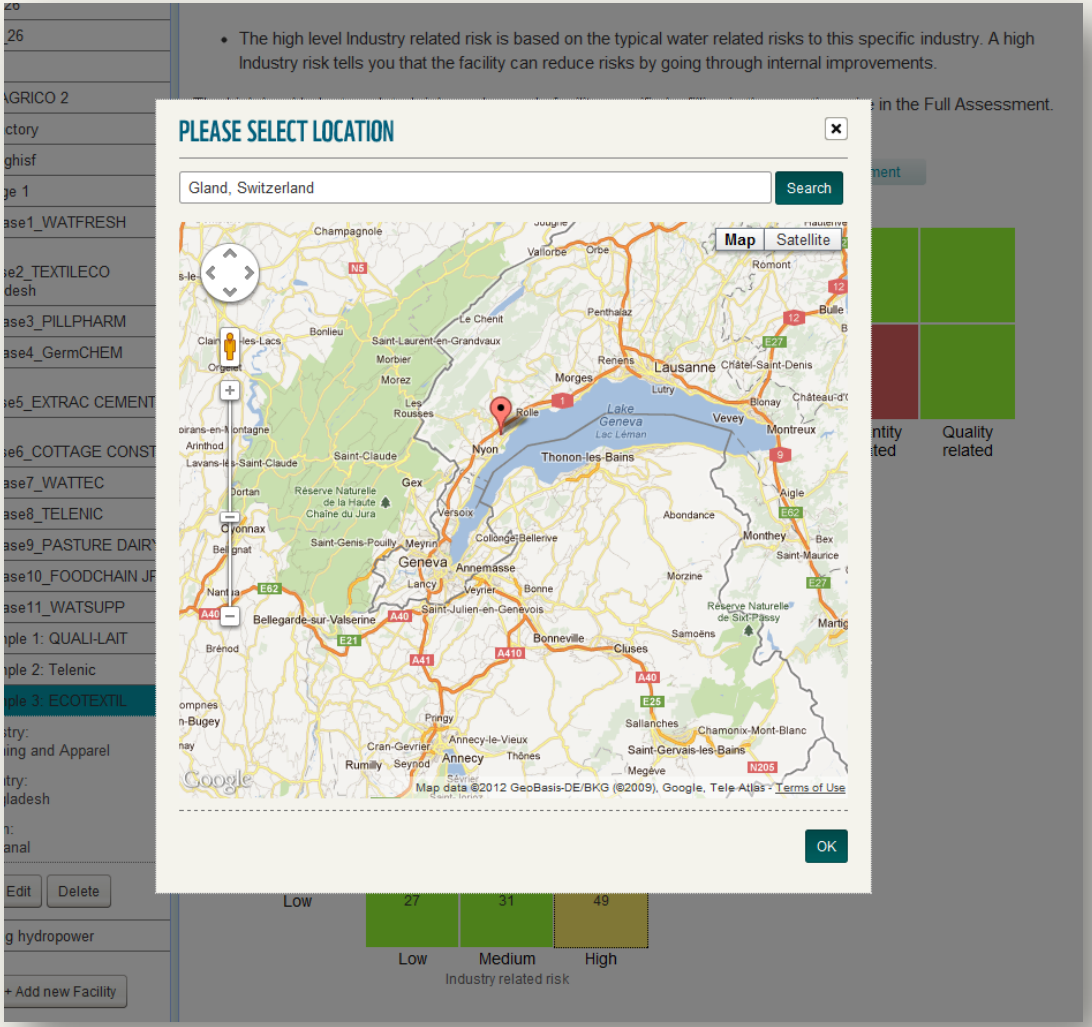


The Water Risk Filter: Quick View

‘Too easy not to do’!

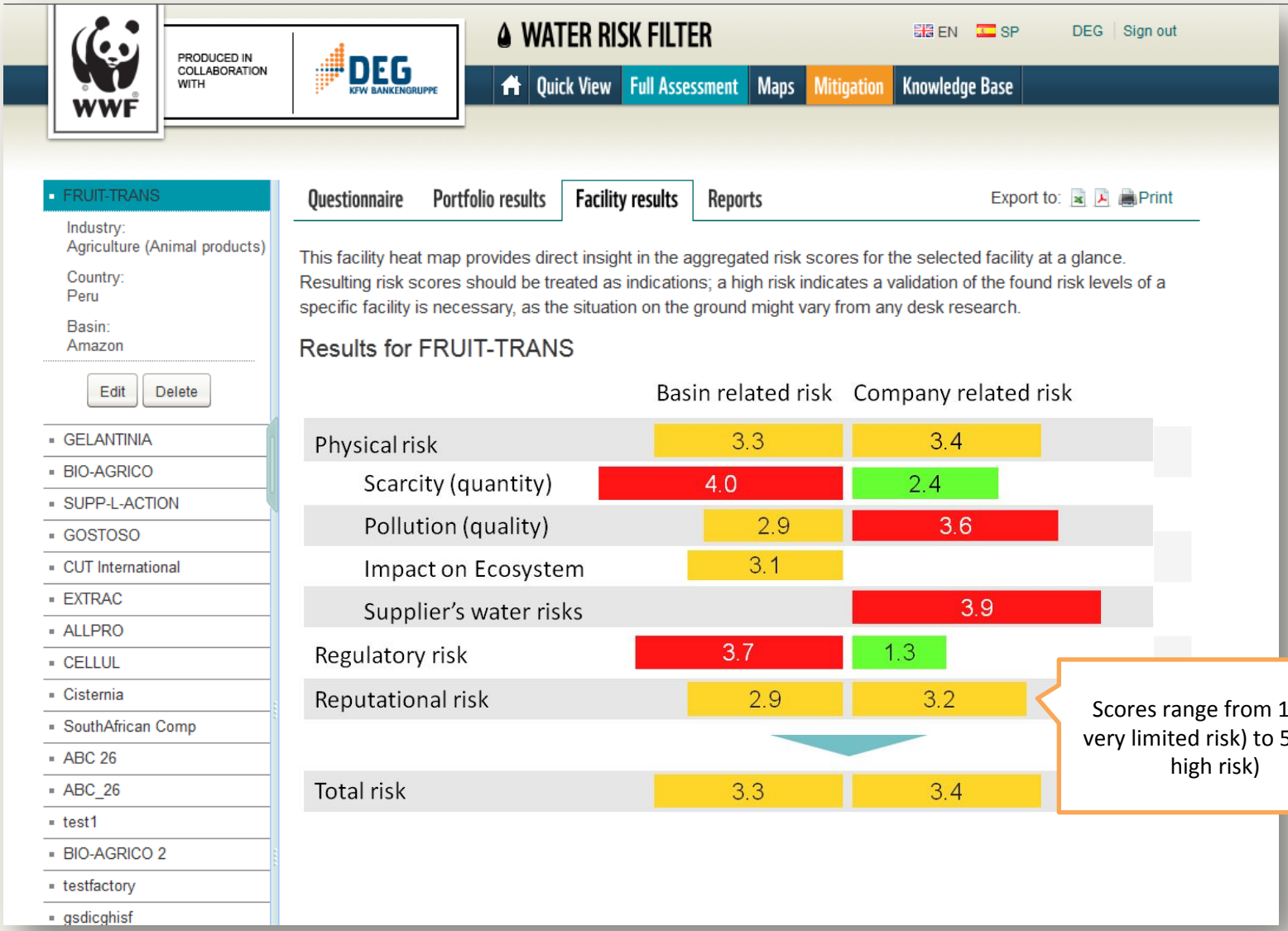
Only three parameters needed per facility:

- Name of the facility
- Industry (list of 35)
- Location



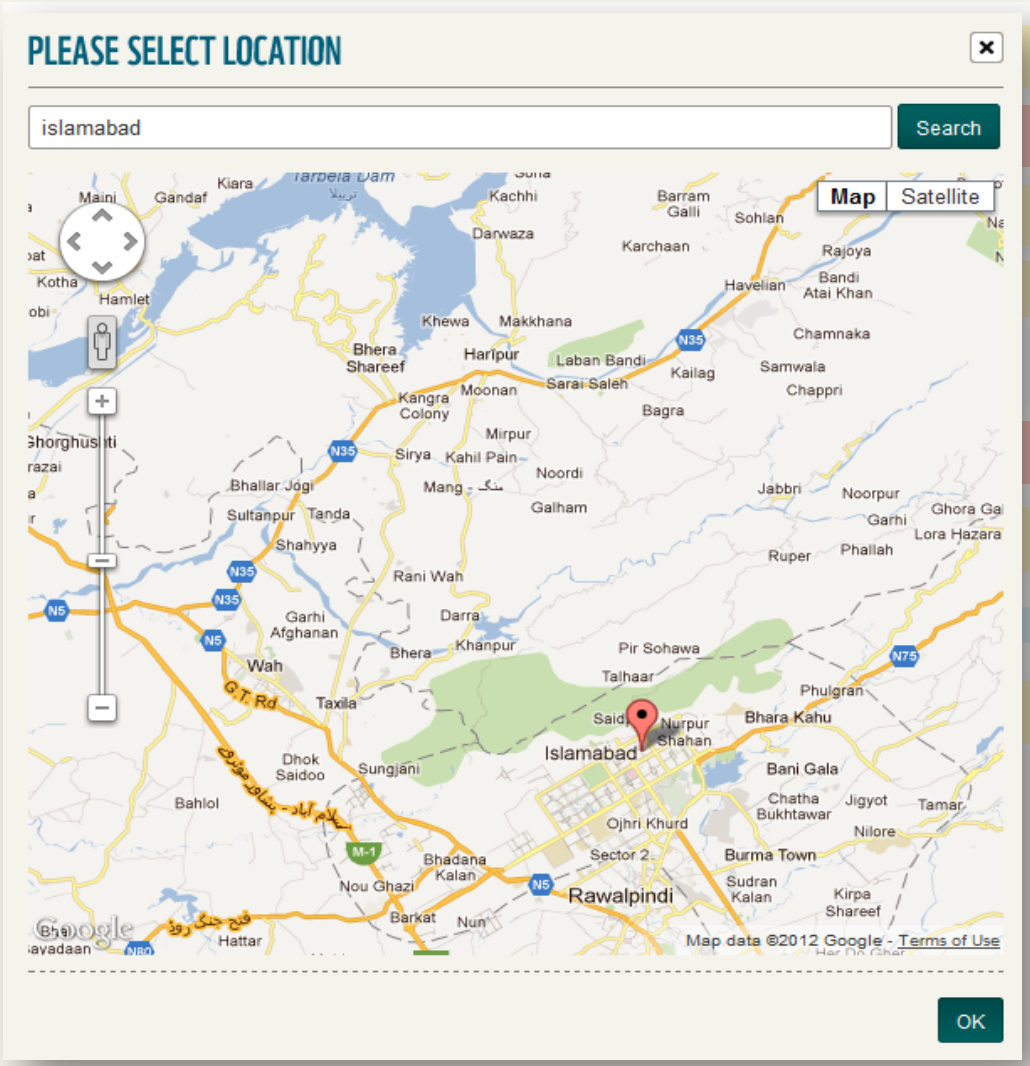
Results on portfolio level provide high level strategic direction

Results on facility level



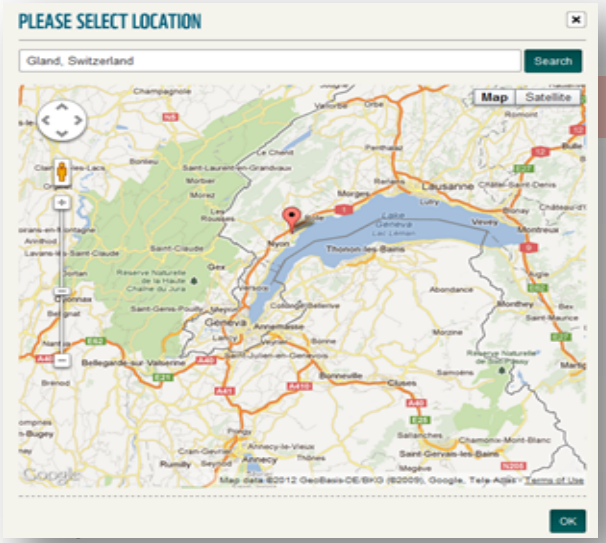
Basin related risks based on GPS location

Basin related risk Company related risk



Company related risks based on company specific input

Basin related risk



Company related risk

Questionnaire | Portfolio results | Facility results | Reports | Export to: Save Open Print

To make the high level Industry related risk facility specific, this questionnaire can be filled in. The questionnaire can be saved at any time. You can also send it fully secured to another user, for example a plant manager, who will be able to enter only this page to fill in and save the questionnaire for you. The questions with numbers are direct input for the risk indicators. Other questions do not influence risk scores, but may help you better understand the water situation of your company which will be helpful when defining what your company can do to mitigate part of the risks.

Company Specific Questionnaire

Save and show results

1 Physical

1.1 Scarcity (Quantity)

1.1.1. Importance of having sufficient amounts of clean freshwater available for the production/ operational site's operations

Not important at all

1.1.2. Problems the company has/had withdrawing/obtaining the required amount of water for its operations

No

1.1.3. Total annual amount of freshwater withdrawn either directly from a water source or through the municipal supply (m3/year)

<10.000 m3/year

1.1.4. Percentage of the total amount of withdrawn water that is recycled or reused (used more than once). Maximum answer for this indicator is 100%

>90%

Detailed results: user can view each indicator, (links to) sources and explanations

All the risk indicators for this facility are stated below. The Basin related risk indicators have been generated automatically based on its GPS position, while most of the Company related risk indicators are based on the questionnaire. All answers can be adjusted by clicking on them, if you feel that better information is available. Mor information on each indicator can be found under the i icon. The weightings per indicator can be viewed and tailo to your company. Resulting risk scores should be treated as indications; a high risk indicates a validation of the f risk levels of a specific facility is necessary, as the situation on the ground might vary from any desk research.

Detailed results for FRUIT-TRANS

All risks related to the company's own performance (what it can influence itself)

All risks related to the GPS location of the company (it needs stakeholder engagement)

Company related risk

№	Score	Risk	Risk item	Indicator
1	3 Some risk	Physical	Scarcity (Quantity)	Importance of having sufficient amounts of clean freshwater available for the production/ operational site's operations
2	2 Limited risk			Problems the company has/had withdrawing/obtaining the required amount of water for its operations
3	2 Limited risk			Total annual amount of freshwater withdrawn either directly from a water source or through the municipal supply (m3/year)
4	3 Some risk			Percentage of the total amount of withdrawn water that is recycled or reused (used more than once). Maximum answer for this indicator is 100%
5	4 High risk		Pollution (Quality)	Typical level of water pollution caused by this industry
6	5 Very high risk			Requirement of treatment/ purification of the water the company withdraws before use i operations

Basin related risk

№	Score	Risk	Risk item	Indicator	
1	3 Some risk	Physical	Scarcity (Quantity)	Annual average month water scarcity in this	00 - 150%
2	5 Very high risk			Number of months pe scarcity exceeding 100 river basin	s
3	5 Very high risk			Blue water scarcity in the month in which blue water scarcity is the highest in this river basin	Severe: > 200%
4	2 Limited risk			Forecasted impa change	nerability Index: 2 of 4: ited impact
5	2 Limited risk			Estimated occurrence of droughts	0% of the country affected by a severe drought in the last 3 years
6	3 Some risk			Estimated occurrence of floods	Moderate risk of flooding
7	4 High risk		Pollution (Quality)	General situation of water pollution around the facility	High risk of surface water contamination

Source:
Water Footprint Network (WFN)

Explanation:
Maximum monthly blue water scarcity value in the year. Blue water scarcity is defined as the ratio of blue water footprint to blue water availability – where the latter is taken as natural runoff minus environmental flow. Blue water resources are surface water and ground water. 1996-2005.

Explanation and (link to) sources

These scores have weightings that are industry specific, but can be tailored by the user

Full list of indicators in Appendix

Three reports are automatically populated

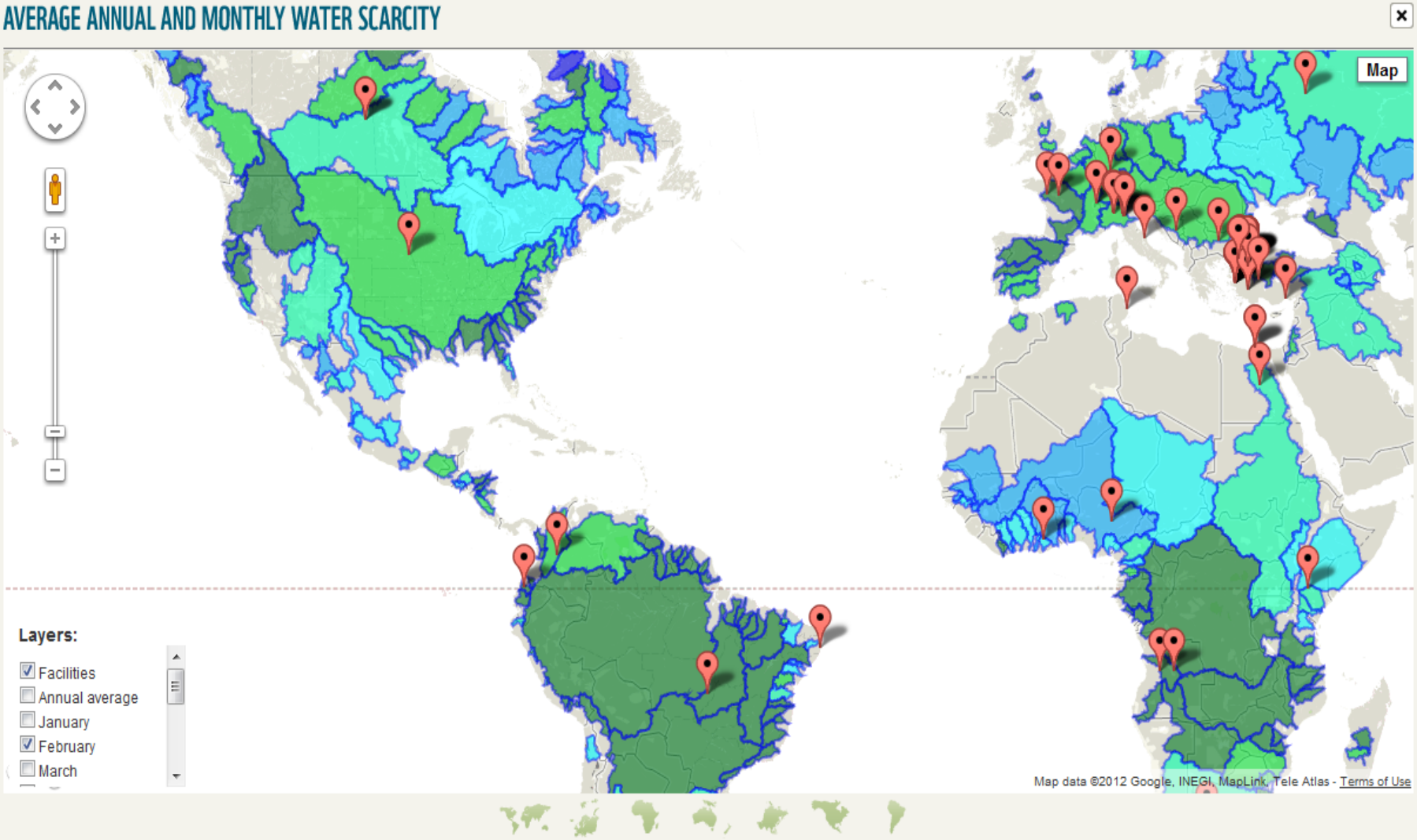
Three reports can be viewed and downloaded and all include information on the risk assessment results, maps with the relevant facilities marked, and links to relevant mitigation activities.

1. Report on **Portfolio** level, with overview of all assessed facilities of the company

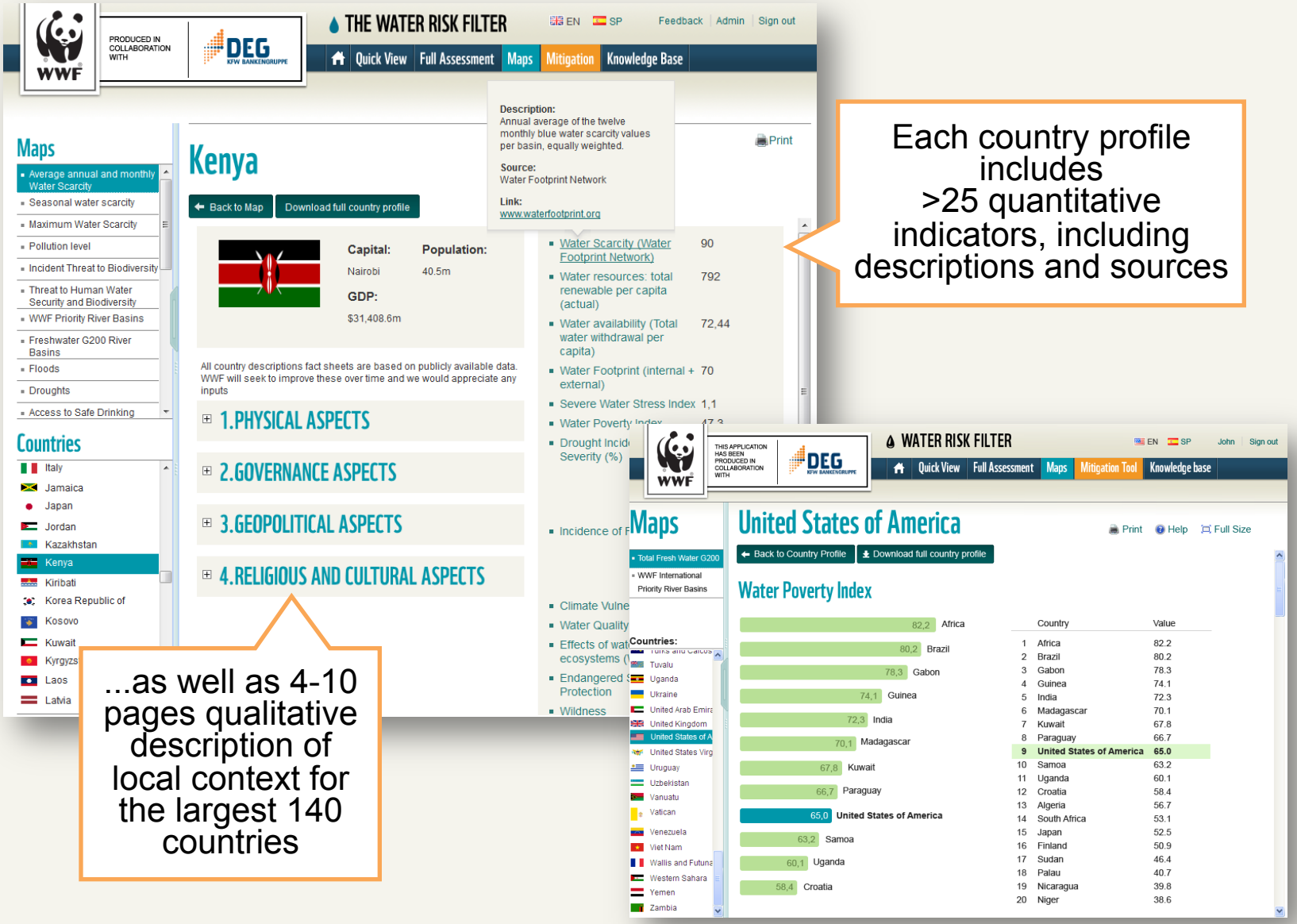
2. Report on **Facility** level, with detailed overview of all available water information of the facility

3. CDP Report – report in same format as the **Carbon Disclosure Project** Water Questionnaire. The information available in the Water Risk Filter enables the user to fill in almost all CDP questions automatically.

The Water Risk Filter: plot facilities on maps with 27 different overlays



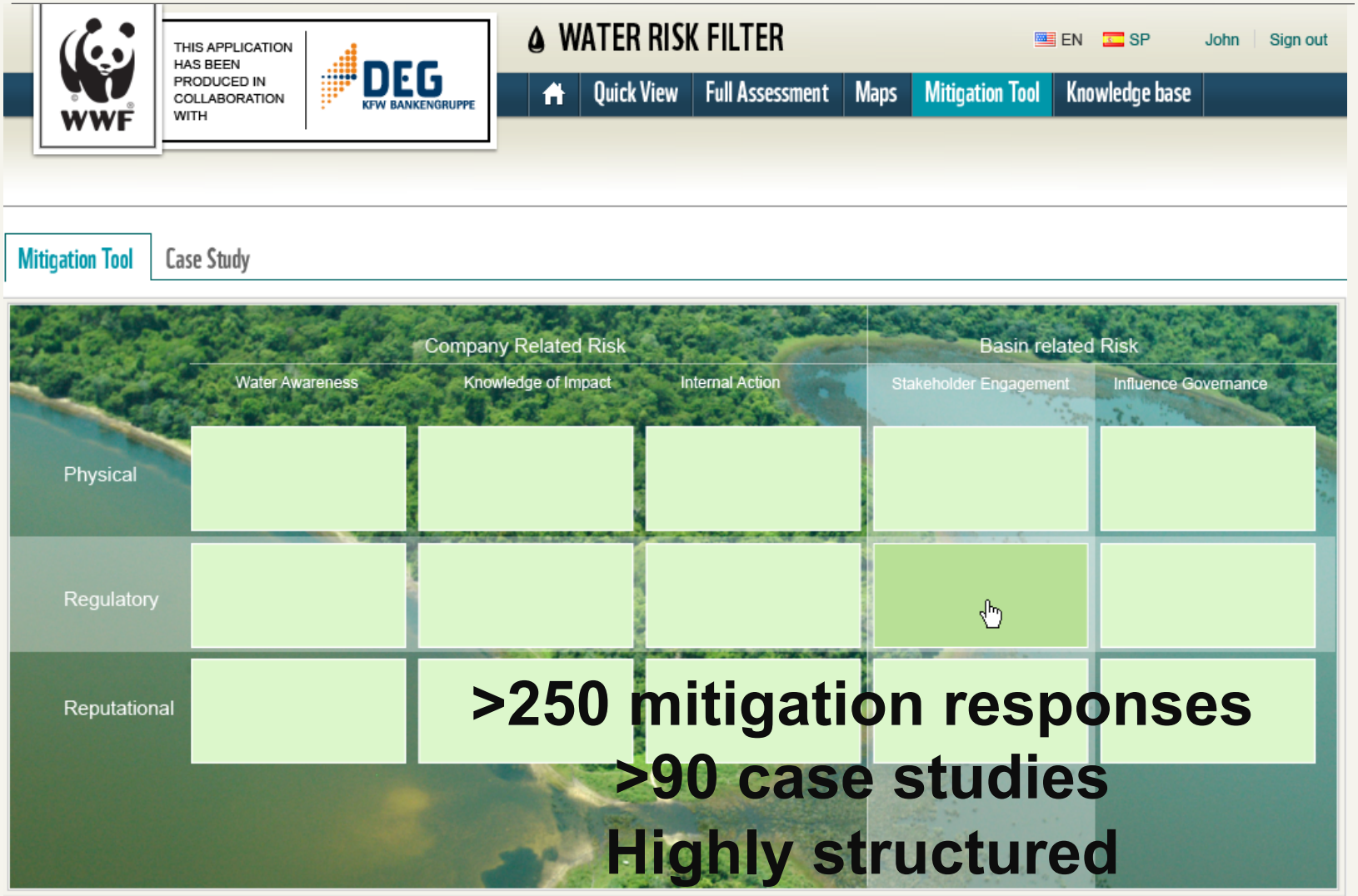
>200 country profiles with quantitative indicators and description of local context



Each country profile includes >25 quantitative indicators, including descriptions and sources

...as well as 4-10 pages qualitative description of local context for the largest 140 countries

Mitigation responses - bridging gap from risk to action



Thank you

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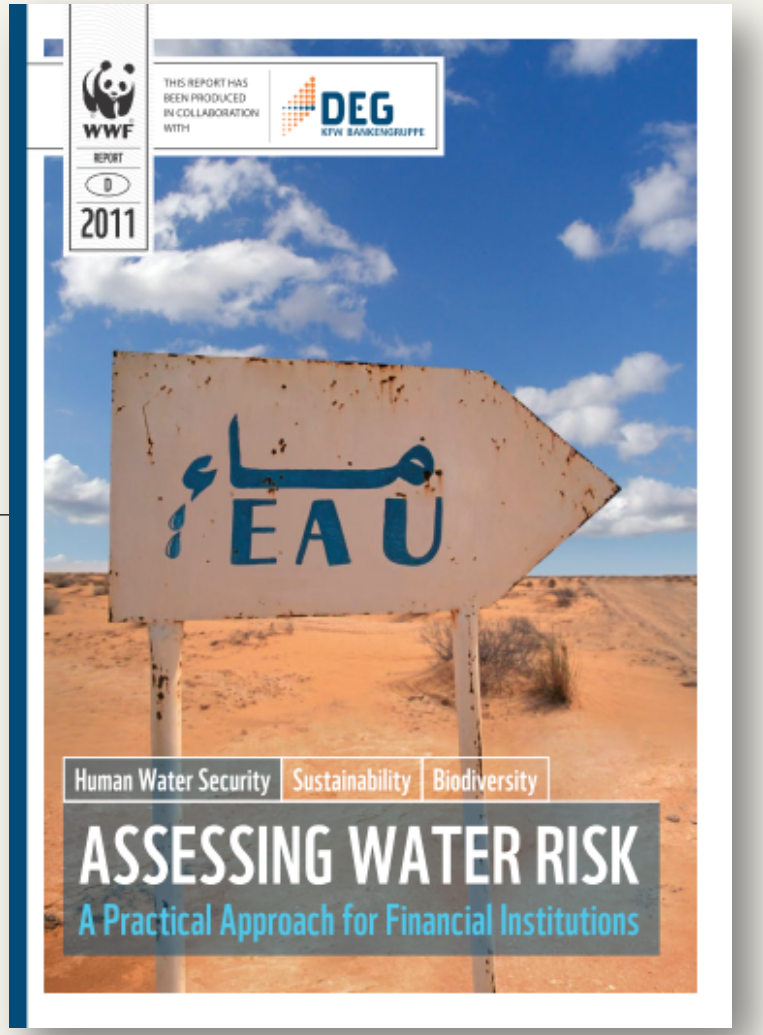

Thank you for visiting

www.waterriskfilter.org