

Water Risk Filter

USER GUIDE

Copyright © 2014 Prognoz Corporation. All rights reserved. All trademarks are the property of their respective owners.

No portion of this user guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or information storage and retrieval systems, for any purpose other than the recipient's personal use, without the express written permission of Prognoz.

The information contained in this user guide is subject to change without notice. While every effort has been made to ensure the accuracy and reliability of this information, neither Prognoz nor its partners or affiliates shall be liable for errors contained herein or consequential damages in connection with the furnishing, performance, or use hereof.

The software described herein is licensed subject to the conditions set forth in the software services agreement.

Document version 2.0

Table of contents

Table of contents	1
About the Water Risk Filter	1
Site structure	1
Home page	3
Log in and registration	4
Water Risk Assessment	6
Adding a new facility	6
Adding a new agricultural commodity assessment	7
Adding multiple new facilities /agricultural commodity assessments at the same time	10
Editing a facility	11
Water Risk Assessment	13
Adjusting weightings	14
Portfolio Results	15
Questionnaire	16
Sending a link to the questionnaire to another user	17
Reports	18
Mitigation	21
Mitigation	21
Case Studies	23
Agriculture (in development)	24
Maps	25
Country Profiles	26
Viewing country reports	26
Knowledge Base	27
Admin Panel	28
Modules	28
Adding a user login	29
Assigning permissions to a user login	29
Editing a user login	30
Deleting a user login	30
Facilities	30

About the Water Risk Filter

The Water Risk Filter is an online application for corporate officers, facility managers, and investors to analyze the impact of their business activity on the water supply, understand potential risk exposures, and obtain ideas for mitigating risk in a proactive way.

To use the Water Risk Filter, browse to www.waterriskfilter.panda.org. We recommend that you use Internet Explorer 9 or higher, Mozilla Firefox 9 or higher, the latest version of the Google Chrome, or Safari 5 browser with pop-ups enabled.

TIP To send an email to WWF with regard to this site, click the Feedback button on the right side of the browser window.

Site structure

The Water Risk Filter contains five main areas. Access these areas using the navigation bar near the top the pages of the site.



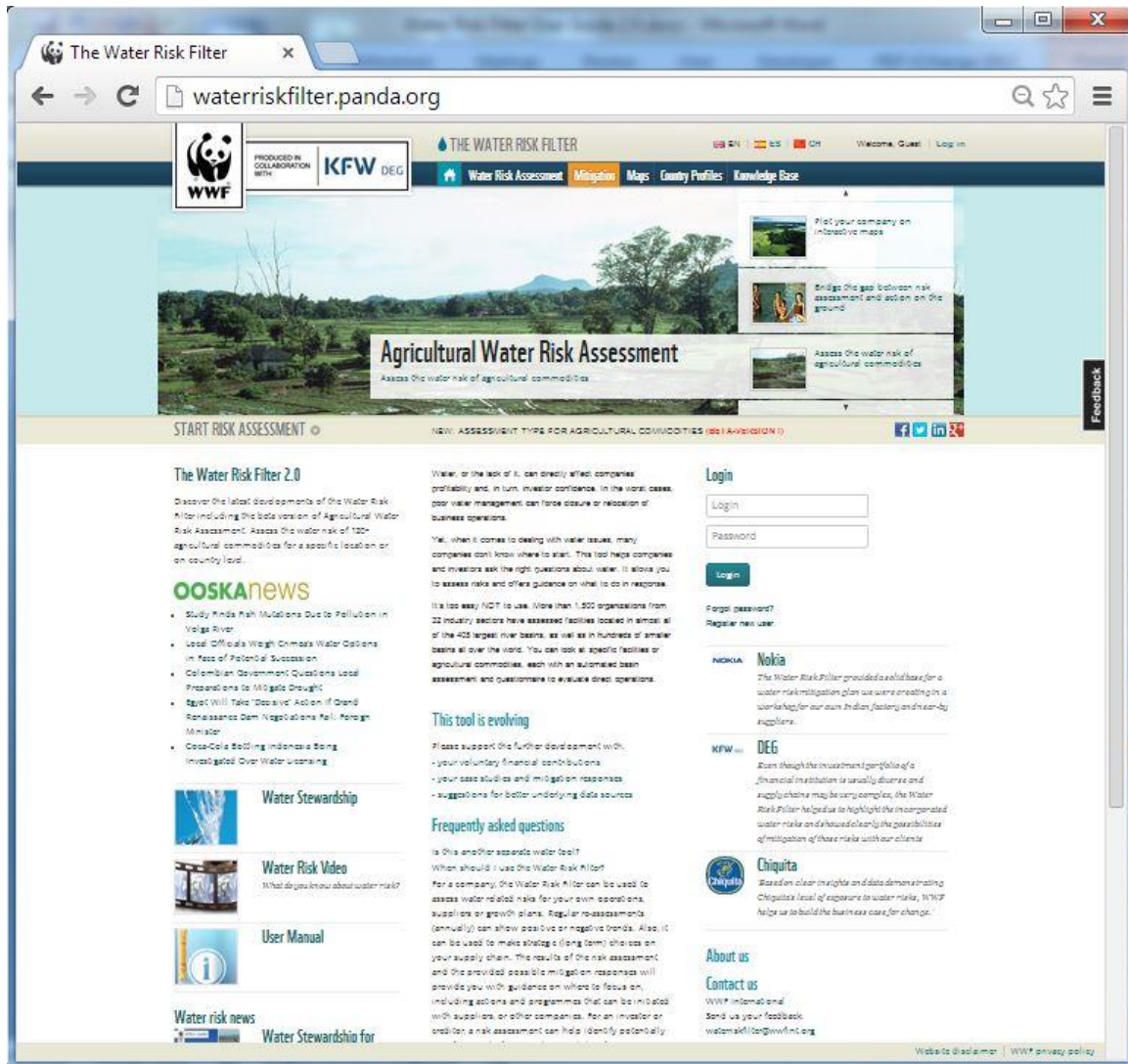
- **Home.** This page provides general information about the tool as well as links to the user guide a video tutorial, the FAQs, and more information on water stewardship.
- **Water Risk Assessment.** This area of the site contains the facility and commodity water risk assessment. Tailored questionnaire for calculating a facility or commodity specific basin-related and facility- or commodity-related water risk. You can present results with different details and populate reports.
- **Mitigation.** This area of the site provides information concerning response to risk. While risk scores are not prescriptive about the specific actions that you should take, the Mitigation section structures your response along the steps of stewardship and the three risk categories of the Water Risk Filter. You can also access a full set of references and support materials for each

step as well as links to relevant case studies based on publicly available examples. These case studies enable you to explore how other companies have begun to tackle water issues.

- **Maps.** This area of the site enables you to choose from various map overlays, such as water scarcity, biodiversity, climate change, commodity footprints and other thematic maps.
- **Country Profiles** You access a complete list of country profiles to give you a more thorough understanding of water issues in places of key interest.
- **Knowledge Base.** This area of the site provides access to supporting information. Learn about water stewardship initiatives, browse a list of key publications, and access a complete country profile database.

Home page

The home page of the Water Risk Filter provides an overview of the site and links to site resources.



Click the buttons in the navigation bar to go to the various areas of the site. The Mitigation button appears against a different colored background to call your attention to this important site feature.

NOTE If you are a portfolio-level or facility-level user, you can access the Admin Panel by clicking the link of your login name near the top of the page, toward the right.

- **To switch between English, Spanish and Chinese versions of the site,** click the EN, SP and CH links near the top of the page.
- **To read a news story about water risk,** click one of the links under the Water Risk News section, or click the name of this section to go to the Water Risk News page of the Knowledge Base.
- **To find answers to frequently asked questions,** hover over the questions under the FAQs section.

Log in and registration

Your login for the Water Risk Filter site determines your level of access to the site's features. There are three different access levels:

- **Portfolio.** Portfolio-level logins are for those who require a broad understanding of a company's water risk across multiple facilities. Portfolio-level users can administer the logins of facility-level users of the same company.
- **Facility.** Facility-level logins are for managers who are responsible for one or more facilities but who do not necessarily need to assess the water risk for the company as a whole.
- **Guest.** Guest logins provide limited access for those who want to learn more about the site and its features.

When you arrive at the home page for the first time, the site provides you with Guest privileges. To obtain a login for portfolio-level access, click the Register button in the Log In section.

LOG IN

[Log in](#)[Register](#)[Forgot?](#)

The site displays the Registration dialog box.


The screenshot shows the 'Registration' dialog box on the WWF Water Risk Filter website. The header includes the WWF logo, 'PRODUCED IN COLLABORATION WITH KFW DEG', and the site title 'THE WATER RISK FILTER'. Navigation links include 'Water Risk Assessment', 'Mitigation', 'Maps', 'Country Profiles', and 'Knowledge Base'. The registration form contains the following fields: 'Contact name*', 'E-mail*', 'Login*', 'Password*', 'Company logo' (with a 'click to upload' button and a note: 'Please upload bitmap file. Supported formats: JPEG, PNG, BMP. Maximum size of file: 2 Mb'), 'Company name*', 'Phone*', 'Country' (a dropdown menu currently showing 'Afghanistan'), 'Address*', and 'Description'. Below the form, there is a section for terms and conditions with three checkboxes: 'WWF may use the provided information in an anonymous way for benchmarking purposes.', 'WWF may use the provided information to contact stakeholders in the same region / river basin. The identity of each company will remain undisclosed unless otherwise authorised.', and 'WWF may use the name of the company for the promotion of The Water Risk Filter (not the data)'. A final checkbox states 'I have read and agree to the terms and conditions of the Water Risk Filter tool. (Website disclaimer; WWF privacy policy)'. A 'Register new user' button is located at the bottom left of the form area.

Fill in the information in this form, accept the terms and conditions and click Save. You may then use your user name and password to log into the site and create facility-level logins for other users in your company. For more information, please refer to the Admin Panel section of this guide.

Water Risk Assessment

Adding a new facility

To add a new facility, click the Add New button at the bottom of the facility list. The site displays the Add New dialog box.



The screenshot shows a dialog box titled "ADD NEW" in teal. Below the title is a horizontal line, followed by the instruction "Assess agricultural commodities by selecting Agriculture (Plant products)". There are three input fields: "Facility name" with a text input box, "Industry" with a dropdown menu showing "Agriculture (Animal products)" and a search icon, and "Location" with a button labeled "Select location". At the bottom, there is a horizontal line and three buttons: "Upload multiple facilities" (teal), "Save" (teal), and "Cancel" (teal).

Then follow these steps:

1. Type the name of the facility in the Name field.
2. Choose the industry of this facility from the Industry drop-down menu.
3. Indicate the location of the facility by clicking Select location. The Select Location dialog box appears:

SELECT LOCATION

Exact location (type address or use map pointer):

Search

Save

Cancel

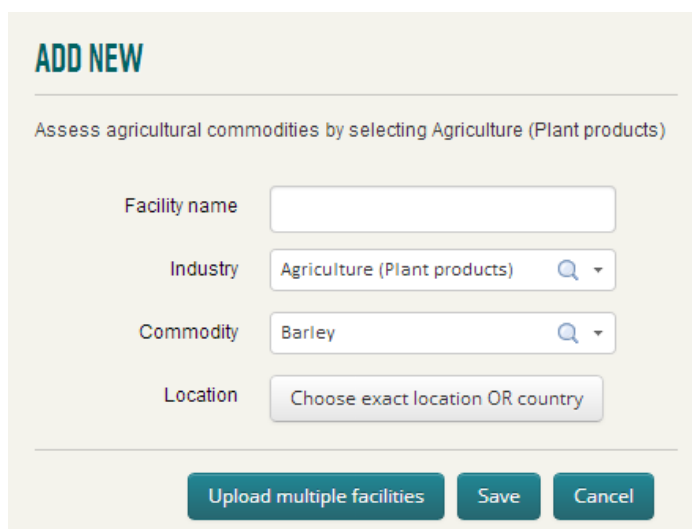
In the search field, type the name of the city or region, and click Search. The map places a marker at this location. If you need to fine-tune the placement of the facility, zoom in by dragging the Zoom slider, and drag the position of the marker.

NOTE Providing accurate location information is essential to assessing the facility's risk. The tool links the GPS position of the provided location to the different underlying databases.

4. Click Save. The Select Location dialog box closes.
5. Click Save again in the "Add new box". The site adds the facility to your company profile.

Adding a new commodity assessment

To add a new agricultural commodity assessment, click the Add New button at the top or bottom of the facility list on the left of the screen. The site displays the Add New dialog box.



The screenshot shows a web form titled "ADD NEW" in teal. Below the title is a subtitle: "Assess agricultural commodities by selecting Agriculture (Plant products)". The form contains four input fields: "Facility name" (a text box), "Industry" (a dropdown menu with "Agriculture (Plant products)" selected), "Commodity" (a dropdown menu with "Barley" selected), and "Location" (a button labeled "Choose exact location OR country"). At the bottom of the form are three buttons: "Upload multiple facilities" (teal), "Save" (teal), and "Cancel" (teal).

Then follow these steps:

1. Type the name of the facility/farm or other identifier in the Name field.
2. For the industry choose Agriculture (Plant products) from the Industry drop-down menu.
3. The Commodity drop-down menu appear
4. Select an agricultural commodity
5. As location you can chose an exact location as in the facility assessment OR just the country depending your knowledge
6. Indicate the location of the facility by clicking Select location. The Select Location dialog box appears:

SELECT LOCATION ?

Exact location (type address or use map pointer):

OR choose country from the list

Country: **Select**

Save Cancel

In the search field, type the name of the city or region, and click Search. The map places a marker at this location. If you need to fine-tune the placement of the facility, zoom in by dragging the Zoom slider, and drag the position of the marker.

OR

Select the location by country from the Country drop-down list.

NOTE Providing accurate location information is essential to assessing the commodity's risk. The tool links the GPS position of the provided location to the different underlying databases OR uses country level information only to assess the commodity on country level. The user can decide on the location data availability.

7. Click Save when the location has been assigned and the Select Location window closes.
8. Click Save again in the "Add new box". The site adds the facility to your company profile.

Adding multiple new facilities /agricultural commodity assessments at the same time

From the New Facility dialog box, you can add up to 300 new facilities/commodities at the same time to your portfolio. To do so, click the Upload Multiple Facilities button at the bottom in the dialog box. The Upload Multiple Facilities dialog box appears.

UPLOAD MULTIPLE FACILITIES

Step 1:

Download facility Excel form

Download commodity Excel form

Step 2:

Import from Excel

Cancel

Then follow Step 1.1 or Step 1.2 and Step 2:

Step 1.1: Click on Download facility Excel form, save and open the file.

WWF PRODUCED IN COLLABORATION WITH KFW DEG THE WATER RISK FILTER

Upload multiple facilities

*Only data for these columns is uploaded to The Water Risk Filter:

Facility name*	Location*	Industry*	Comments (no data upload to the Water Risk Filter)

Step 1.2: Click on Download commodity Excel form, save and open the file.

WWF PRODUCED IN COLLABORATION WITH KFW DEG THE WATER RISK FILTER

Upload multiple commodities

*Only data for these columns is uploaded to The Water Risk Filter:

Facility name*	Location*	Commodity*	Comments (no data upload to the Water Risk Filter)

Fill in the Excel form following these steps:

1. Type the name of a facility in the Facility name field.
2. Set the location for the facility by providing the GPS coordinates or a clear location description such as an address.
3. Choose the industry (facility Excel form) and the commodity (commodity Excel form) for the facility from the Industry/Commodity drop-down menu.
4. Repeat Steps 1–3 for each facility you want to add. When the list is complete, save the file on your computer.

Step 2: Click on Import from Excel and choose the prepared file from the directory of your computer, then click Ok. The data sets are transferred into an online form of the Water Risk Filter. This can several minutes depending on the number of facilities.

Name	Industry	Location
facility 1	Construction and Materials	+ select on map -
facility 2	Extractives 1 (Low grade ore, Precious metals, Diamonds, Copper,...	+ select on map -
facility 3	Agriculture (Plant products)	+ select on map -
	Selected: 0	+ select on map

Adding one facility Save Cancel

From the Adding Multiple Facilities dialog box, you can also perform the following actions:

- **To delete a facility**, click its Delete icon to the right of its row of fields.
- **To add an additional line to fill in a facility manually**, click the Adding One Facility button.

When all data is complete, click Save to upload the facilities into your user portfolio. This can take several minutes and the uploaded facilities start to occur on the left hand side of the site-screen in the facility list.

Editing a facility

To edit a facility, click its Edit button. The site displays the Edit Facility dialog box.

EDIT FACILITY

Name

CampCoUSA

Industry

Beverages producers

Provide location

[+ select on map](#)

Save

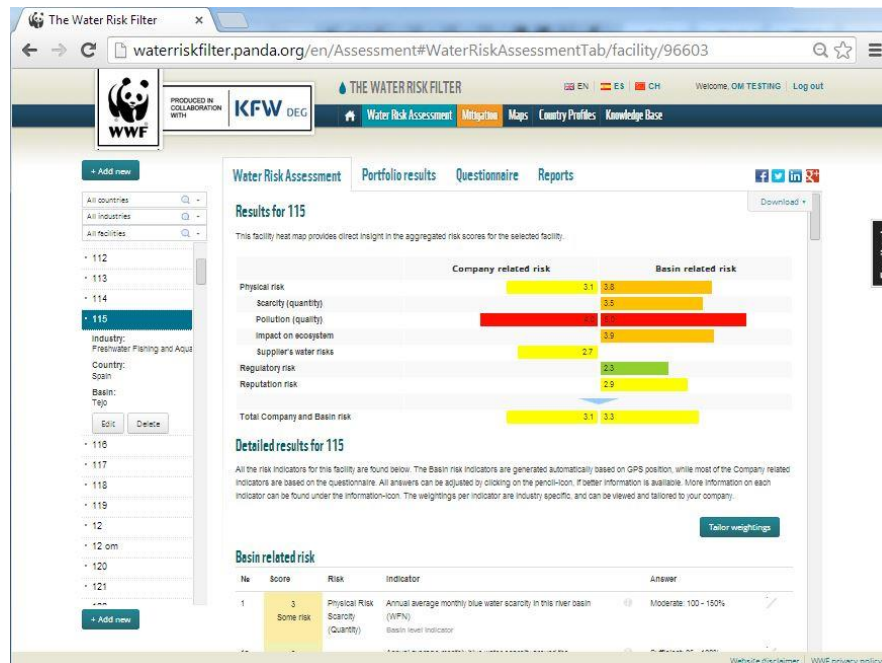
Save as new

Cancel

Edit the definition of the facility as you require, and click Save.

Water Risk Assessment

The Water Risk Assessment tab shows aggregated risk scores for the selected facility as a heat map.



Below the heat map, you find detailed results broken down by basin-related risk and company-related risk. Basin-related risk results come from the Quick View calculations, based on the 20 indicators linked to the GPS position of the facility location that you provided. Company-related risk results come from the answers to the facility-specific questionnaires.

Basin related risk				
No	Score	Risk	Indicator	Answer
1	1 No or very limited risk	Physical Risk Scarcity (Quantity)	Annual average monthly blue water scarcity in this river basin	Abundant: 0 - 25%
2	1 No or very limited risk	Physical Risk Scarcity (Quantity)	Number of months per year water scarcity exceeding 100% in this river basin	0 months
3	5 Very high risk	Physical Risk Scarcity (Quantity)	Blue water scarcity in the month in which blue water scarcity is the highest in this river basin	Highly polluting industry
4	1 No or very limited risk	Physical Risk Scarcity (Quantity)	Forecasted impact of climate change	Vulnerability Index: 1 of 4: Very limited impact
5	2 Limited risk	Physical Risk Scarcity (Quantity)	Estimated occurrence of droughts	<10% of the country affected by a severe drought in the last 3 years
6	5 Very high risk	Physical Risk Scarcity (Quantity)	Estimated occurrence of floods	High annual risk of flooding of large areas with strong negative impact
7	2 Limited risk	Physical Risk Pollution (Quality)	General situation of water pollution around the facility	Moderate Low risk of surface water contamination
8	3 Some risk	Physical Risk Ecosystem health	Threat to freshwater biodiversity threat around the facility	Moderate Threat to Biodiversity: 0.5 - 0.75

- **To get more information about a particular risk**, hover over its Information icon.
- **To edit your answer for any company/commodity-related risk**, click its Edit icon, and choose a new answer from the choices that appear. The site makes the change and marks the Edit icon to help you remember that you modified this answer. Please note that basin-related risks are not editable.

Company related risk

Nº	Score	Risk	Indicator	Answer
1	1 No or very limited risk	Physical Risk Scarcity (Quantity)	Importance of having sufficient amounts of clean freshwater available for the production/operational site's operations	Not important at all
2	5 Very high risk		Problems the company has/had withdrawing/obtaining the required amount of water for its operations	Yes, regularly
2a			If yes, please explain:	The water company keeps shutting off our service for lack of payment.

- ☒ Not important at all
- ☐ Not overly important
- ☐ Neutral
- ☐ Important
- ☐ Very important / Vital for operations

Adjusting weightings

The site weights the various risk factors to determine your facility's/commodity's overall water risk. If you have better knowledge of the local situation and wish to adjust these weightings for a more accurate assessment, click the Tailor Weightings button at the top of the detailed list. The Weightings dialog box appears.

WEIGHTINGS

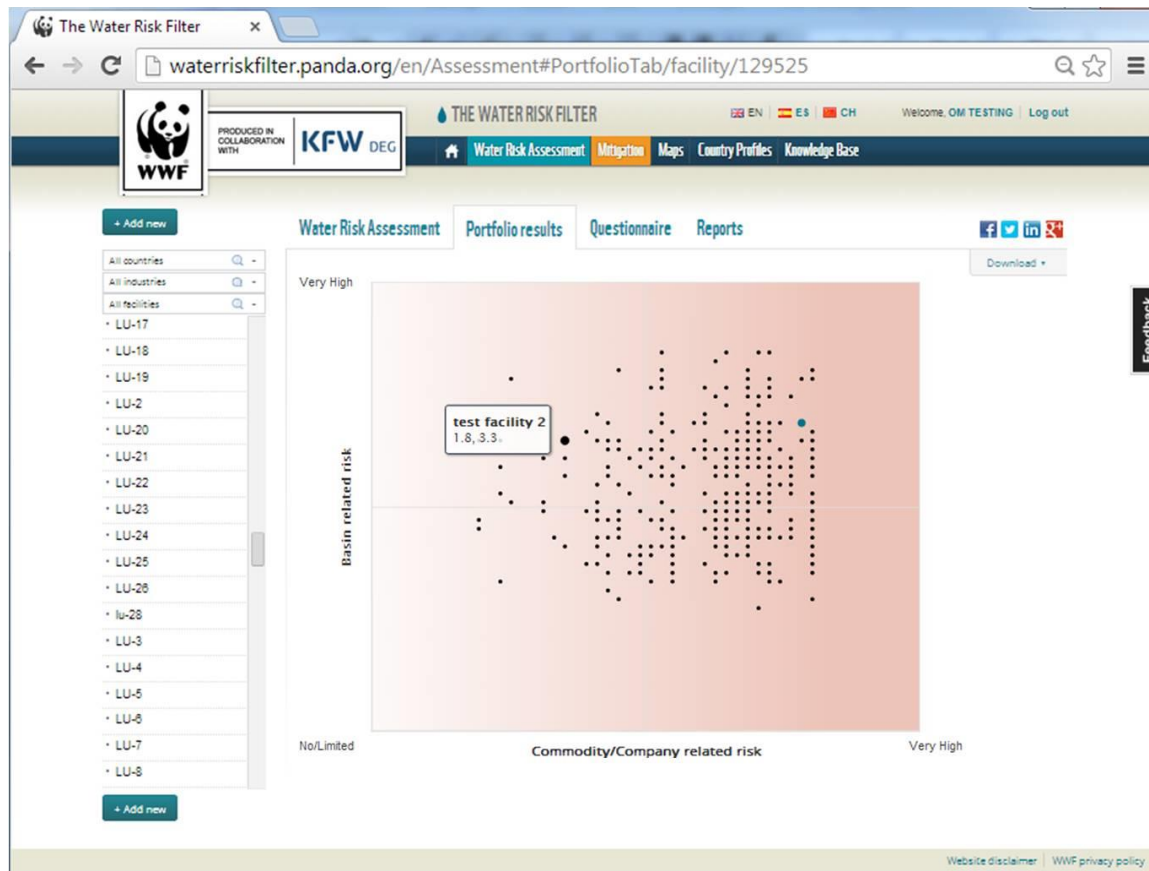
Risk	Level 1 weightings	Level 2 weightings	Level 3 weightings
Company related risk questionnaire total	$\Sigma = 205.0\%$		
Physical Risk	45.0 %	$\Sigma = 100.0\%$	
Scarcity (Quantity)		65.0 %	$\Sigma = 100.0\%$
Importance of having sufficient amounts of clean freshwater available for the production/ operational site's operations			45.0 %
Problems the company has/had withdrawing/obtaining the required amount of water for its operations			25.0 %
Total annual amount of freshwater withdrawn either directly from a water source or through the municipal supply (m3/year)			15.0 %
Percentage of the total amount of withdrawn water that is recycled or reused (used more than once). Maximum answer for this indicator is 100%			15.0 %
Pollution (Quality)		5.0 %	$\Sigma = 100.0\%$
Typical level of water pollution caused by this industry			35.0 %
Requirement of treatment/ purification of the water the company withdraws before use in operations			40.0 %
Percentage of the withdrawn freshwater that is discharged with some level of pollution			15.0 %
Quality measurements of the water the company withdraws and discharges by the company itself or an external company			10.0 %
Physical risk of suppliers		30.0 %	$\Sigma = 100.0\%$

Reset
Ok
Cancel

Type new values in the fields as you require, and then click OK to save your changes. The site displays a warning if the sum of the weightings does not equal 100 percent for each level. To revert to the model's recommended weightings, click Reset.

Portfolio Results

The Portfolio Results tab shows a matrix of all basin and company/commodity risks for all the assessed facilities/commodities of your company.



When hovering over the dot's the facility name(s) and the risk score will be displayed. The matrix can be downloaded as PDF printed or all results can be downloaded in a Excel document for further analysis.

Questionnaire

Use the questionnaire to determine the specific water risk for the selected facility. Each facility has its own questionnaire; the answers from one facility do not affect the water risk for other facilities, although a high-risk facility does affect the risk level of the company as a whole.

The screenshot shows the 'The Water Risk Filter' questionnaire interface. The browser address bar displays the URL: `waterriskfilter.panda.org/en/Assessment#Questionnaire/facility/129525`. The page header includes the WWF logo, a note 'PRODUCED IN COLLABORATION WITH KfW DEG', and navigation links for 'Water Risk Assessment', 'Mitigation', 'Maps', 'Country Profiles', and 'Knowledge Base'. A sidebar on the left lists various locations (LU-17 to LU-28). The main content area is titled 'Company related risk' and 'Physical Risk'. It contains a 'Scarcity (Quantity)' section with four numbered questions about water availability, withdrawal, and recycling. A table for question 3 shows radio button options for different water sources across five percentage ranges. A 'Save and show results' button is visible on the right.

Answer the questions on the questionnaire, and click the Save And Show Results button. The site takes you to the Portfolio Results tab.

TIP You may return to the questionnaire at any time to modify your answers. When you are finished, click Save And Show Results to save your changes.

Sending a link to the questionnaire to another user

The site enables you to send a link to the questionnaire to another user in your company. You might use this feature when the other person is better able to answer facility-specific questions.

To send the link in an email, click the envelope icon to the right of the row of tabs. The Send dialog box appears.

SEND [X]

Company: **CampCo**

- ☐ CampCoAsia [Delete] [Edit]
- ☒ CampCoEurope [Delete] [Edit]
- ☐ CampCoUSA [Delete] [Edit]

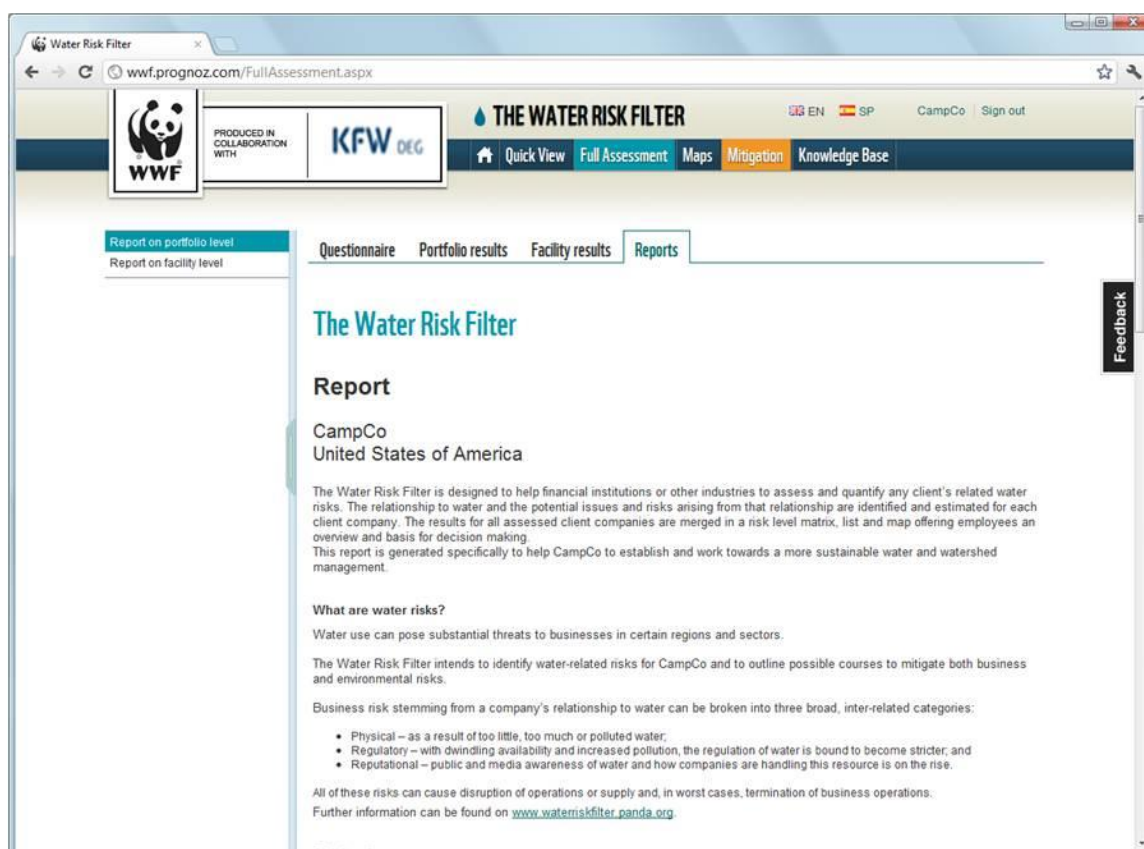
[Add User]

[Send] [Cancel]

- **To choose the user who should fill out the questionnaire**, select this user's radio button.
- **To send the link to the questionnaire to the selected user**, click Send.
- **To delete a user**, click this user's Delete icon.
- **To edit a user**, click this user's Edit icon.
- **To add a new user**, click Add User.

Reports

The Reports tab provides links to reports about the water risk for your client, company or facility. Much of the information in these reports comes from the questionnaire, the portfolio results, and the facility results.



The Water Risk Filter produces three automatically generated reports covering all relevant items of the risk assessment:

- **Portfolio-level report (available soon).** This report contains high-level risk results for all the assessed facilities of your company or client and provides insight on the exposure to water risk on a portfolio level. The report represents risk scores in a matrix and a list, and it plots the facilities on detailed water-scarcity and pollution maps.
- **Facility-level report (available soon).** This report contains all the information of a specific facility's risk assessment, including the heat map and all underlying individual risk indicators. It also plots the company on water-scarcity and pollution maps and generates examples of mitigation responses based on the facility's three highest risks.
- **CDP report 2014 (available soon).** We are working together with the Carbon Disclosure Project (CDP) to ensure that you have a head start in filling in the next CDP questionnaire for water. We provide all the information that is available for your company on a portfolio level in the same structure as the CDP Water Initiative questionnaire. The site supplies this report in Word

format, so that you can copy and paste your answer into the CDP questionnaire, which gives you the opportunity to amend your answers.

These reports contain interactive features, including maps and selectable facilities. The precise set of features depends upon which report you choose.

- **To view a report**, click its title in the list on the left. For the facility-level report, please select the relevant facility from the list that appears.

Mitigation

The Mitigation area of the site offers valuable suggestions for reducing the water risk for your company or facility. You can also read case studies about how other companies have managed and mitigated their risks.

This area has two tabs: Mitigation and Case Studies.

Mitigation

The Mitigation tab presents a matrix of risk factors and types of risk.

Water Risk Filter

wwf.prognoz.com/MitigationTools.aspx

THE WATER RISK FILTER

EN SP CampCo Sign out

Quick View Full Assessment Maps Mitigation Knowledge Base

Mitigation Case Studies Propose a mitigation response

Attaining robust risk scores is important but more relevant are the actions that a company can promote which drive down the likelihood of risk occurrence. The mitigation actions are designed to give a wide range of ideas for how companies might create strategies, plan actions, set baselines and drive water issues within the company. They are designed along the 'steps' of Stewardship - from 'awareness of water issues' to 'influencing governance'. Along this spectrum, the actions here are suggestions, supported by case studies and references to help construct meaningful engagement on water issues. We imagine that over time these lists will be improved, amended and strengthened by the experience of users. Similarly, we see the case studies as an evolving resource where companies can learn and share their experiences for others to benefit.

A systematic approach to mitigating water risk is to employ the Alliance for Water Stewardship (AWS) Standard. The AWS Standard not only provides companies with a comprehensive, stepwise approach to address water stewardship and water risk, but will also offer the option of risk reduction verification. In summary, it is an approach to comprehensively address all of the risks noted in the table below. Click for more details on the AWS Standard (<http://allianceforwaterstewardship.org/>)

	Company Related Risk			Basin Related Risk	
	Water Awareness	Knowledge of Impact	Internal Action	Stakeholder Engagement	Influence Governance
Physical risk					
Regulatory risk					
Reputational risk					

To view information at any intersection of the matrix, simply roll the mouse over the corresponding card.

THE WATER RISK FILTER

PRODUCED IN KfW

EN SP CampCo Sign out

Quick View Full Assessment Maps **Mitigation** Knowledge Base

[Propose a mitigation response](#)

Mitigation

- GENERAL AWARENESS OF WATER CHALLENGES:** Create a strong awareness of relevant global and regional water scarcity and quality challenges for society and business
- SEEK ADVICE-EXPERTISE:** Identify key stakeholders (internal and external) to help the company move to a better understanding of water issues
- LOCAL AND SECTORAL DEPENDENCIES AND RISKS:** Understand water dependencies and gain a better understanding of water risk to your locations and sector
- WATER USES:** Identify the freshwater uses within the company's operations
- CONVERGE ACTIONS:** with partners or peer companies to develop good practices or new (technological) solutions, e.g. via R&D projects
- FLOOD EXPOSURE:** Assess your company's exposure towards flood events
- SOURCE LOCATION:** Establish an awareness of where water is sourced (for each location) - for staff, suppliers and shareholders
- SUSTAINABILITY ANALYSIS:** Analyze and define key ecosystem elements to ensure water source sustainability
- ECOSYSTEM AND BIODIVERSITY POLICY:** Establish a company policy on freshwater ecosystems and biodiversity

Physical risk

Regulatory risk

Reputational risk

Basin Related Risk

Internal Action Stakeholder Engagement Influence Governance

To view the mitigation information on a separate page, click the card.

THE WATER RISK FILTER

PRODUCED IN KfW

EN SP CampCo Sign out

Quick View Full Assessment Maps **Mitigation** Knowledge Base

[Propose a mitigation response](#) [Export to:](#) [Print](#)

Mitigation **Case Studies**

A systematic approach to mitigating water risk is to employ the Alliance for Water Stewardship (AWS) Standard. The AWS Standard not only provides companies with a comprehensive, stepwise approach to address water stewardship and water risk, but will also offer the option of risk reduction verification. In summary, it is an approach to comprehensively address all of the risks noted in the table below. Click for more details on the AWS Standard (<http://allianceforwaterstewardship.org/>)

Risk type: Physical risk. Stewardship step:

Mitigation Actions

- STAKEHOLDERS' IDENTIFICATION & COLLABORATION** Recognise and engage with supply and quality in each specific/affected river basin
- ENGAGE IN SOLVING PHYSICAL ISSUES (QUANTITY & QUALITY)** Promote and develop water scarcity and quality problems
- IMPACTS OF OPERATIONS** Consider the impacts from potential siting or expansion
- STANDARDS** Engage in the development of standards for water stewardship
- WATER RIGHTS AND POLLUTION PERMITS** Assess water rights and pollution permits
- ENGAGE IN CONSERVATION ACTIVITIES** Partner with other stakeholders for key conservation activities - such as water bodies, ecological habitats, and forested land

Quick view Back

Physical risk

Regulatory risk

Reputational risk

Company Related Risk

Basin Related Risk

Internal Action Stakeholder Engagement Influence Governance

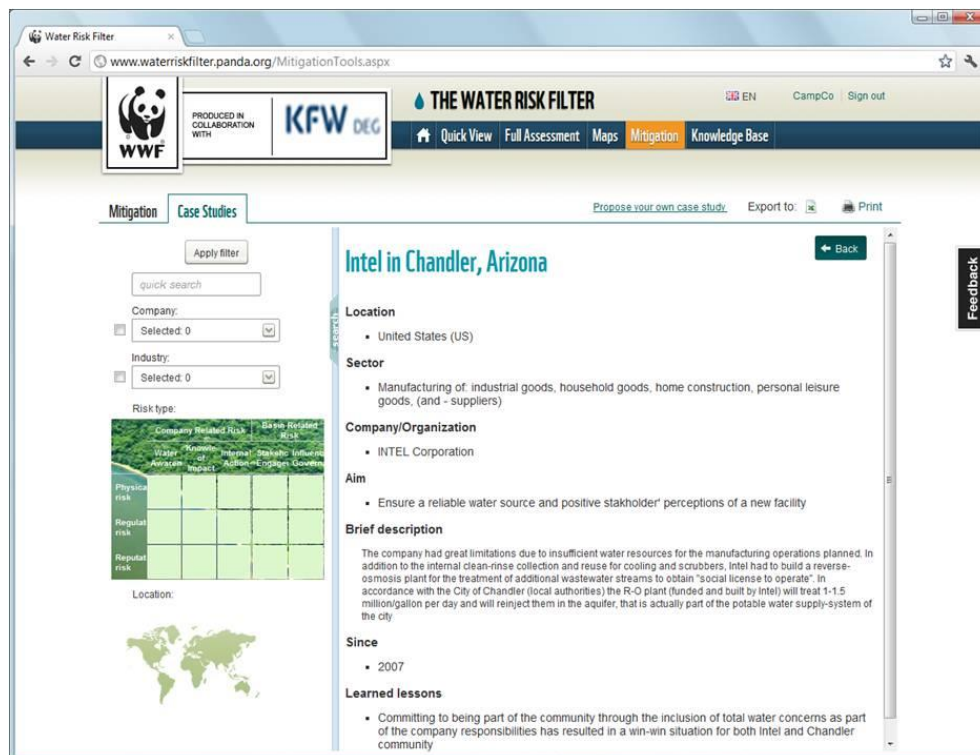
Click the Quick View control to review your current location in the matrix. While this control is open, you can move to another location by clicking it.

Return to the original view of the matrix by clicking Back.

- **To propose a mitigation response of your own for any intersection on the matrix,** click the Propose A Mitigation Response link. The site launches your default email program if necessary and opens and addresses a new email. Write your suggestion, and send the email. WWF will follow up with you, and we may consider your suggestion in future versions of the site.

Case Studies

The Case Studies tab provides links to a number of detailed reports concerning the mitigation actions that various companies have implemented to reduce water risk.



- **To view a case study,** click its name in the list.
- **To search the list,** type a search term in the search field, and press ENTER.
- **To filter the list by category or industry,** check the appropriate dimension, choose an option from its drop-down menu, and click Apply Filter.
- **To filter the list by risk type,** click the desired intersection or intersections on the matrix, and click Apply Filter.

- **To filter the list by country**, click the map. The site opens the Filter By Country dialog box. Click the desired country or countries, and click OK to close the dialog box.
- **To export the case study**, click an icon next to Export To. Your browser downloads the case study in the corresponding format.
- **To open a print-ready version of the case study**, click the Print link.
- **To propose a case study of your own**, click the Propose Your Own Case Study link. The site launches your default email program if necessary and opens and addresses a new email message. Write your case study, and send the email. WWF will follow up with you, and we may consider your case study in future versions of the site.
- **To return to the list of case studies**, click the Back button at the top of the case study.

Agriculture (in development)

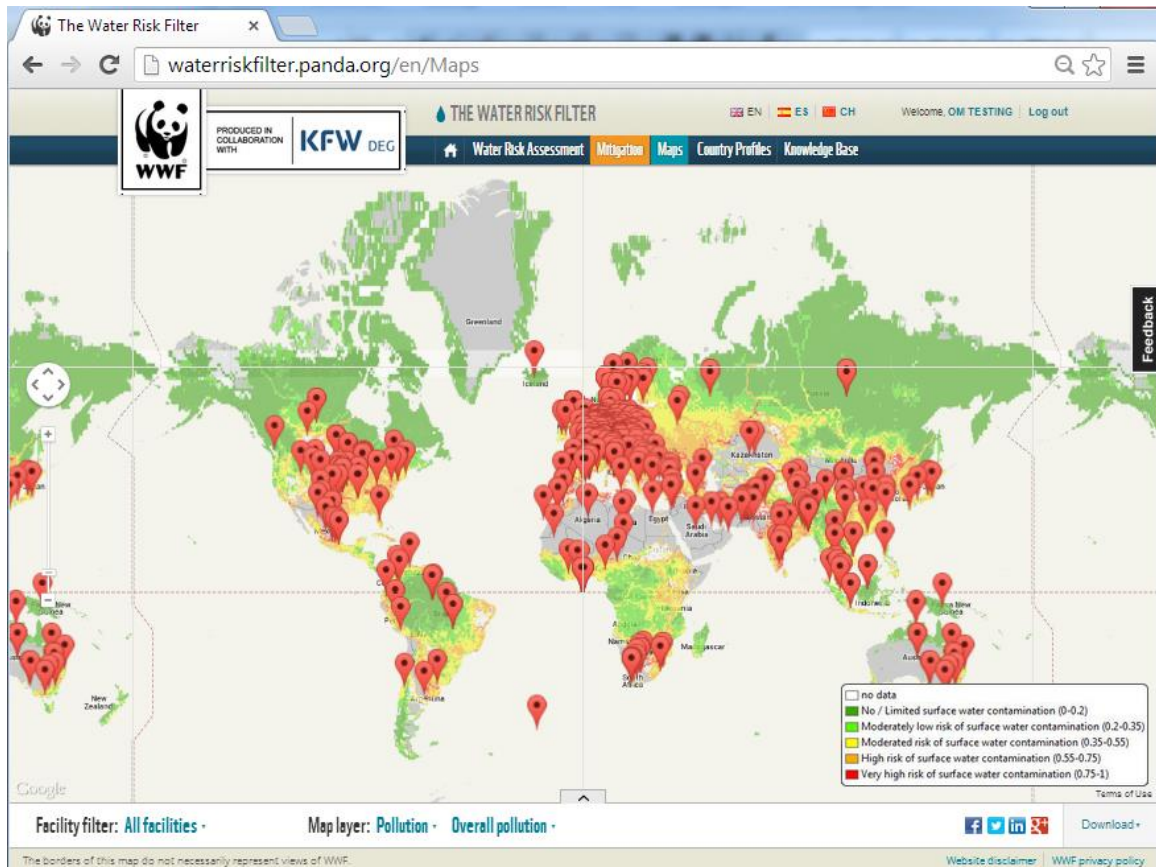
The Agriculture tab provides links to a number of detailed agricultural specific information sources including mitigation actions. The collection currently contains information of major crops, rain-fed and irrigated agriculture, and stakeholder groups. This section is in development and will be available soon with an improved structure and filter functionality

The screenshot shows the WWF Water Risk Filter website. The top navigation bar includes the WWF logo, 'PRODUCED IN COLLABORATION WITH KFW DEG', and the title 'THE WATER RISK FILTER'. There are language options (EN, ES, CH) and a 'Log out' link. The main navigation bar has links for 'Water Risk Assessment', 'Mitigation', 'Maps', 'Country Profiles', and 'Knowledge Base'. Below this, there are tabs for 'Mitigation Responses', 'Case Studies', and 'Agriculture'. The 'Agriculture' tab is active, showing a 'Stakeholders' section with a search bar and a description of the Sustainable Commodity Initiative (SCI). Below this is a 'Crops' section with filters for 'All commodities', 'All countries', 'All techniques', and 'All keywords'. A table titled 'Select a crop, a region, agricultural technique etc. from the different categories above. We are currently working on this data base to improve the information access on agricultural knowledge and possible water risk mitigation measures' is displayed. The table has columns for Country, Crop, Technique, Keywords, Link, Title, Author, Ref, and Abstract-intro. The first row shows data for USA, Georgia, Cotton, Irrigation scheduling, with a link to a report on cotton water use and irrigation scheduling.

Country	Crop	Technique	Keywords	Link	Title	Author	Ref	Abstract-intro
USA, Georgia	Cotton	Irrigation scheduling		http://uga-cottonne.ws.org/va/ult/rrer/2003/p72.pdf	COTTON CROP WATER USE AND IRRIGATION SCHEDULING	Craig Bednarz, Glen Ritchie, Jim Hook, Rad Yager, Sidney Cromer, Dudley Cook and Ivey		Our primary objective with this research is to determine (1) how much water a cotton crop may use on a weekly basis under high yield potential conditions and (2) the stage of crop growth that is the most susceptible to water stress. This information will then be used for the production of irrigation guidelines for Georgia cotton growers. In 2002 and 2003 the study was conducted at the UGA Coastal Plain Experiment Station Gibbs and Lang Farms and the UGA Stripling Irrigation Research Park. These facilities are equipped with overhead irrigation systems. Several irrigation treatments were imposed season long. In 2002 the highest yielding treatment was that receiving full irrigation. The data indicate the period from first flower to first flower plus three weeks is very sensitive to water stress. In addition, these data indicate withholding water from emergence to first flower can reduce yields. In 2003 the studies received between 25 and 30 inches of rainfall during the growing season. All study locations were irrigated only one

Maps

The Maps section enables you to view various maps concerning water-risk-related issues.

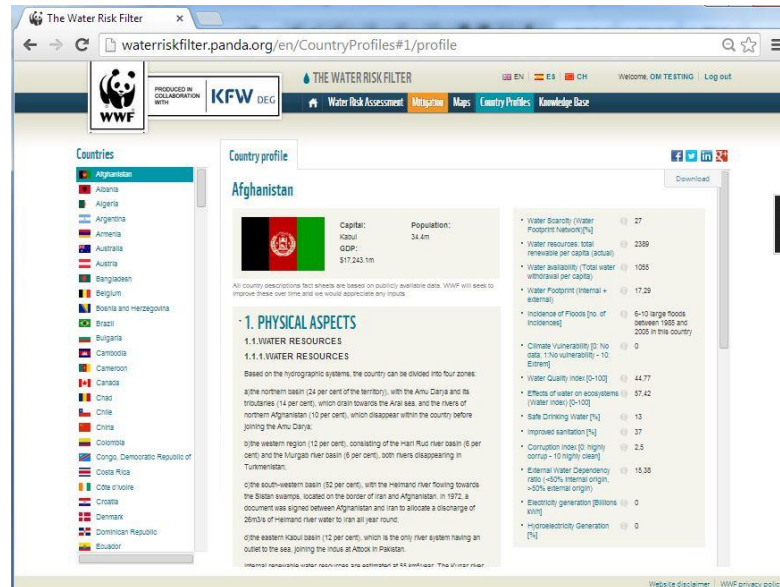


- **To choose the map layer**, select from the list of main layer and when available the sub-layer (e.g. water scarcity, blue water footprint etc.).
- **To adjust the view of the map**, click the region of the world that you want to see in the bar along the bottom of the map. If you are currently viewing a Google map, you can also pan and zoom.
- **To get more information about a facility on a Google map**, click one of the red map pins. The site takes you to the Facility Results tab of the Full Assessment area for the selected facility.
- **To view the Description, Source and link of the map**, click on the arrow tab to view these information
- **To display a selection of facilities**, use the filter function

Country Profiles

Viewing country reports

You can also view specific country reports from the Maps section.



Most of the country profiles contain expandable sections of text. To expandFor most of the country profiles, you can op

- **To view a country report**, click the name of the country under the Countries list.
- **To expand a section of text**, click the section's + button. These sections contain descriptions of the physical, geopolitical, regulatory, and religious or cultural aspect of water in the country.
- **To show the description and source of a quantitative indicator**, hover over the indicator with the mouse pointer.
- **To compare the country's score for a quantitative indictor with that of other countries of the world**, click the indicator.
- **To return to the most recent map**, click the Back To Map button at the top of the report.
- **To download the country profile in PDF**, click on "Download"

Knowledge Base

The Knowledge Base area of the site provides links to a number of different statistics and resources about water risk and stewardship.

The screenshot shows the 'The Water Risk Filter' website. The browser address bar displays 'waterriskfilter.panda.org/en/KnowledgeBase#5'. The page features a header with the WWF logo, a 'PRODUCED IN COLLABORATION WITH' badge for KfW and DEG, and navigation links for 'Water Risk Assessment', 'Mitigation', 'Maps', 'Country Profiles', and 'Knowledge Base'. The 'Knowledge Base' section is highlighted. On the left, a sidebar lists various topics under 'Water Stewardship' and 'The Water Risk Filter'. The main content area is titled 'Global Water Challenges' and includes a 'Download' button. It contains text about the current global water challenges, a list of statistics, and a section on megatrends. A 'Feedback' button is visible on the right side of the page.

Knowledge base

- Water Stewardship
 - Global Water Challenges**
 - What is stewardship?
 - Alliance for Water Stewardship
 - The Water Action Hub ("the Hub")
 - Public policy engagement
 - Developing a Water Stewardship strategy
 - Water risks for Financial Institutions
 - Water is a Shared Risk
- The Water Risk Filter
 - Frequently asked questions
 - Risk Indicators
 - Supply chain water risk
 - Comparison with other water tools
- Water Risk News
- OOSKANews
- Publications
- About Us
- Website disclaimer/WWF Privacy policy

Global Water Challenges

Today we live in a water scarce world, which not only affects humans but also our freshwater ecosystems and species.

Our current global water challenges:

- Of all species, freshwater species are declining the fastest, especially in the tropical regions (70% decline of Living Planet Index since 1970)
- 41% of the world's human population lives in areas of severe water stress
- 800 million people lack access to safe drinking water
- 2.6 billion lack adequate sanitation services
- ~70% of rivers longer than 1000 km do not reach the sea
- Water pollution is high, especially in developing countries where up to 70% of industrial wastewater is disposed without treatment
- It is estimated the effects of climate change, which are expected to be most severe in developing countries, will exacerbate water problems and lead to changing and erratic rainfall patterns, droughts and floods

These challenges will grow further as a result of three megatrends:

- First, the world's population is expected to peak at 9 billion by 2050. Already in 2025, 65% of the world's population and 1/3 of the land area will be in severe water stress due to additional food and water requirements. Most of the 3 billion additional people will live in cities in the developing world with poor water and sanitation infrastructure. Increasing water scarcity leads to increased potential for conflicts.
- Temperature increase of 1-2 degrees by 2050. Climate change results in higher weather variability, less freshwater stored in ice, more droughts and floods, and changes in the ecosystem due to higher water temperatures.
- Urbanization and rising incomes, especially in BRIC countries, leading to higher consumption patterns. To feed the larger and richer population a near doubling of water for irrigation is needed and will result in higher per capita water requirements, especially through shifts in demand for different types of food.

Website disclaimer | WWF privacy policy

- To view an article, click its name in the Knowledge Base list.

Admin Panel

The Admin Panel enables a portfolio-level user to create new facility-level users and administer their logins. Facility-level users may review the information in the Admin Panel but not edit it.

- **To open the Admin Panel**, go to the home page, and click the name of your login at the top right of the browser window. The Admin Panel opens in a new browser window or tab.

The Admin Panel has two tabs: Modules and Facilities. Access these tabs by clicking their names in the navigation bar.

Modules

The Modules tab enables you to create users and assign privileges to their accounts.

The screenshot displays the 'THE WATER RISK FILTER ADMIN PANEL' interface. The top navigation bar includes 'Modules' and 'Facilities' tabs, with 'Modules' currently selected. The user 'CampCo' is logged in, with a 'Sign out' link. The main content area is titled 'Modules - CampCoAsia' and features a table with columns for 'Read' and 'Edit' permissions, both labeled 'Company Specific Data'. The table lists various modules and their associated permissions.

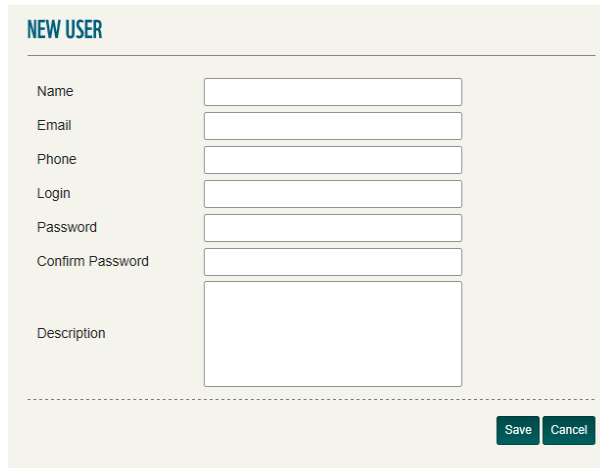
	Read Company Specific Data	Edit Company Specific Data
Facilities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pre-Assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Assessment		
Questionnaires	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Facility Portfolio	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Facility Results	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Maps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mitigation		
Knowledge Base	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
News	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

On the left side, there is a 'Users' section showing two user profiles: 'CampCo' and 'CampCoAsia'. Each profile includes fields for Login, Name, E-mail, and Phone number, along with an 'Edit' button. At the bottom of the Users section is an 'Add User' button. At the bottom of the Modules section are 'Save' and 'Refresh' buttons.

Adding a user login

To add a user login, follow these steps:

1. Click the Add User button at the bottom of the Users list. The site displays the New User dialog box:

The image shows a 'NEW USER' dialog box with a light beige background. It contains several input fields: 'Name', 'Email', 'Phone', 'Login', 'Password', 'Confirm Password', and a larger 'Description' field. At the bottom right, there are two buttons: 'Save' and 'Cancel'.

2. Fill in the requested information for this user login. Note that you control the login name and password.
3. Click Save. The New User dialog box closes, and the site adds the user login to your company.

Assigning permissions to a user login

To assign permissions to a user login, follow these steps:

1. From the Users list, click the desired user login. The site displays the permissions for this login in the table. You can expand the list of permissions under Assessment and Mitigation by clicking their + buttons.
2. Check the checkboxes for those permissions that you want to grant in the corresponding *modules* or areas of the site. (Please note that an Edit permission automatically grants Read permission also.) You may also uncheck a permission that you previously granted to revoke this particular permission.
3. Click Save.

NOTE You cannot edit the permissions for your profile-level login.

Editing a user login

To edit a user login, select the desired login in the Users list, and then click the Edit button under the login's details. The site opens the Edit User dialog box; the fields on this dialog box change depending on whether you are editing a portfolio-level login or a facility-level login.

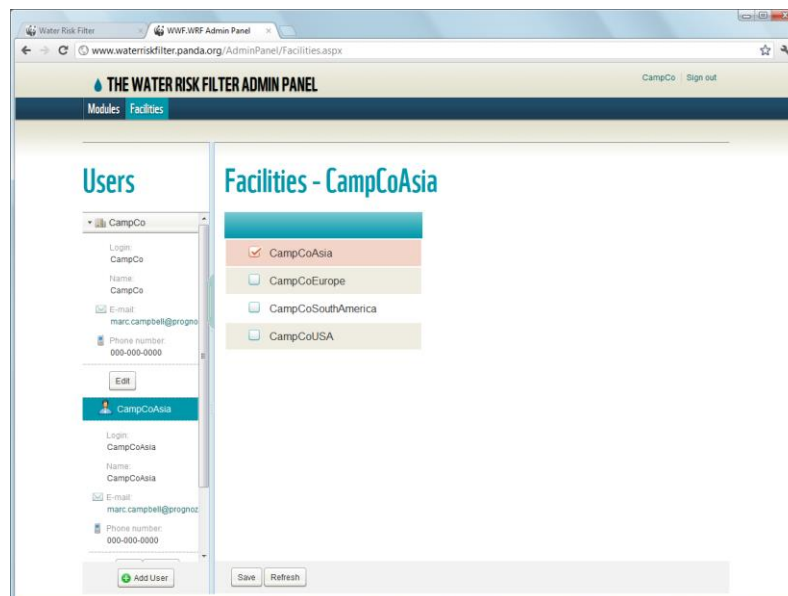
Change the values in the fields as you require, and click OK.

Deleting a user login

To delete a user login, select the desired login in the Users list, and then click the Delete button under the login's details. The site displays a confirmation message; click OK to delete or Cancel to cancel.

Facilities

The Facilities tab enables you to assign the facilities in your company to specific facility-level users.



To do so, follow these steps:

1. In the list of users, select the desired user. The table shows those facilities for which this user is currently responsible.
2. Check a facility's checkbox to assign the facility to this user, or uncheck its checkbox to remove the facility from this user.
3. Click Save.

Please note that your portfolio-level login always has access to all the facilities in your company; you cannot remove facilities from this type of login.

NOTE The Facilities tab also enables you to add, edit, and delete user logins. The procedures here are the same as they are in the Modules tab.