



User Interface documentation

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Introduction

The aim of this document is to provide a step-by-step user guide for the Oasis User Interface (UI).

Log in

After downloading the OASIS UI Github repository, the user will be prompted to log in.

A screenshot of a login interface. At the top is the OASIS logo. Below it are two input fields: the top one is labeled "username" and the bottom one is labeled "password", both in a light grey font. At the bottom is a green rectangular button with the word "Login" in white.

Credentials will be provided by the administrator. Please note that there are some differences between 'administrator' and 'non-admin' modes. As an administrator, some of the tables will contain more information, however functionalities of the UI do not vary.

Statuses

The progress of each step along the process is represented by the status icons which are found along the right-hand side of the *Portfolios* or *Analyses tables*.

Analyses associated to portfolio "documentation", id 42

Show 5 entries Search:

ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed	Status
113	doc-3	42	documentation	341	GMO, version 1	GemFoundation	2019-11-21 13:51:01	2019-11-21 13:53:05	2019-11-21 13:53:03	2019-11-21 13:53:05	run completed	
112	doc-GEM	42	documentation	341	GMO, version 1	GemFoundation	2019-11-21 13:36:31	2019-11-22 10:24:47	2019-11-22 10:24:47	NA	run started	
111	documentation-analysis	42	documentation	341	GMO, version 1	GemFoundation	2019-11-21 10:40:09	2019-11-21 13:40:36	2019-11-21 13:40:36	2019-11-21 13:40:36	run error	

Showing 1 to 3 of 3 entries Previous 1 Next

[Generate Inputs](#) [Show Log](#) [Show Details](#)

[Create Analysis](#) [Proceed to Configure Output & Run](#)

The following icons represent actions performed by the API:

- “In progress”: the API is processing the inputs,



- “Failed”: something went wrong during the processing (e.g. wrong model or uploaded files, . . .),



- “Ready”: processing of input files and model was successful, analysis is ready to be run,



- “Completed”: processing was completed successfully.



Functional Switches

It is worth noting the following functional switches that will be beneficial to the user:

- **Refresh:** table is re-generated and statuses updated,



- **Collapse:** window collapses. Once clicked, the icon will change to the expand button,



- **Expand:** window is expanded. Once clicked, the icon will change to the collapse button,



- **Close:** window is closed,



- **Pop-up list:** to select a previously run analysis,



- **View:** contents of files can be viewed by selecting the row and clicking on the **View** button. In case of Location files, a map option is also displayed.

Selected	Files	Name	View
<input checked="" type="checkbox"/>	location_file	dom-rep-cutdown-oed-location.csv	View

File Summary

File Name location_file.csv
 Number of Rows 10
 Column names LocCurrency, PortNumber, AccNumber, LocNumber, GeogName1, AreaName1, Latitude, Longitude, CountryCode, ConstructionCode, OccupancyCode, YearBuilt, YearUpgraded, NumberOfStoreys, NumberOfBuildings, LocPerilsCovered, BuildingTIV



File content						
Show 5 entries						
LocCurrency	PortNumber	AccNumber	LocNumber	GeogName1	AreaName1	Latitude
n/a	1	146	10527	Pedro Brand	Santo Domingo	18.64788
n/a	1	146	10526	Pedro Brand	Santo Domingo	18.64788
n/a	1	146	10525	Pedro Brand	Santo Domingo	18.64788
n/a	1	146	10524	Pedro Brand	Santo Domingo	18.64788
n/a	1	146	10523	Pedro Brand	Santo Domingo	18.64788



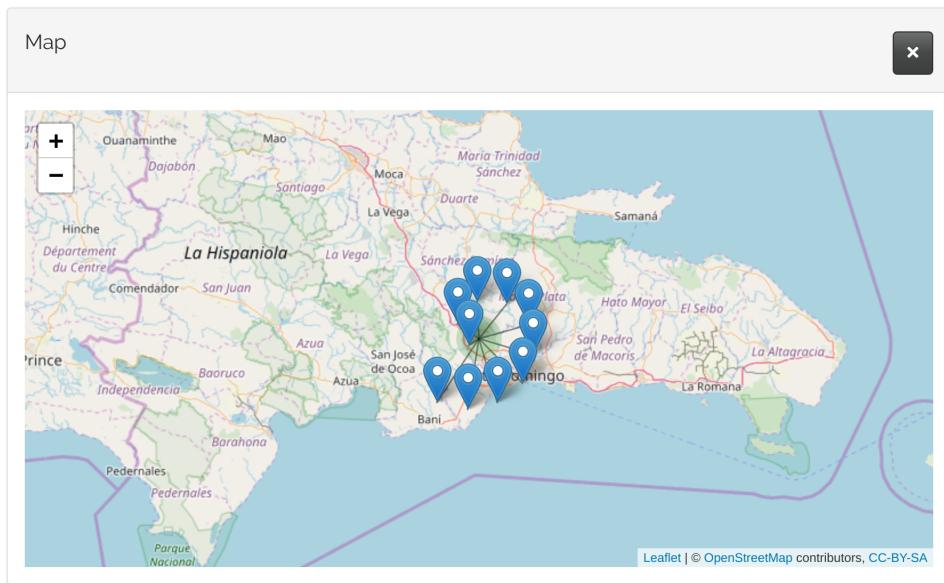
With the ‘Location’ files, a map option is also displayed as highlighted in the following figures.



File Summary

File Name	location_file.csv
Number of Rows	10
Column names	LocCurrency, PortNumber, AccNumber, LocNumber, GeogName1, AreaName1, Latitude, Longitude, CountryCode, ConstructionCode, OccupancyCode, YearBuilt, YearUpgraded, NumberOfStoreys, NumberOfBuildings, LocPerilsCovered, BuildingTIV

[Content](#) [Map](#) [Export](#)



Home page & Navigation

After logging in, the user will be prompted to the Home page. This window shows all of the analyses created by the user as well as all the accessible sections.

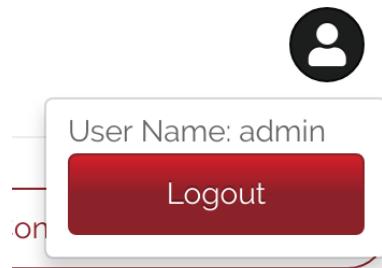
The screenshot displays the OASIS Home page interface. At the top right is a user icon (1). Below it is the OASIS logo with 'LOSS MODELLING FRAMEWORK' text (2). The left sidebar (3) contains 'Analysis' and 'Dashboard' buttons. The main content area (4) is titled 'Analyses table' and shows a table of analysis entries. The table includes columns for ID, Name, Portfolio Id, Portfolio Name, Model Id, Model Version, Supplier, Created, Modified, Task Started, Task Finished, Status Detailed, and Status. The first five entries are listed:

ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed	Status
114	test-locnumber	41	test-map-12-11	248	FUTUREDANUBE, version 1	H2020	2019-11-22 10:24:01	2019-11-22 10:24:02	2019-11-22 10:24:02	2019-11-22 10:24:02	inputs generation error	
110	test-locnumber-2	37	test-doc	1	PiWind, version 1	OasisLMF	2019-11-20 13:26:20	2019-11-20 13:30:40	2019-11-20 13:30:35	2019-11-20 13:30:40	run completed	
109	test-locnumber	33	Mat_test_1	1	PiWind, version 1	OasisLMF	2019-11-20 09:14:43	2019-11-20 09:14:44	2019-11-20 09:14:43	2019-11-20 09:14:43	inputs generation error	
108	test-locnumber	41	test-map-12-11	248	FUTUREDANUBE, version 1	H2020	2019-11-20 09:13:29	2019-11-20 09:13:29	2019-11-20 09:13:29	2019-11-20 09:13:29	inputs generation error	
107	test-locnumber	37	test-doc	1	PiWind, version 1	OasisLMF	2019-11-20 09:12:54	2019-11-20 09:12:54	2019-11-20 09:12:54	2019-11-20 09:12:54	inputs generation error	

At the bottom of the table are buttons for 'Dashboard of Analyses Outputs', 'Delete Analysis', and 'Export to csv'. Navigation links at the bottom right include 'Previous', page numbers 1 through 17, and 'Next'.

Starting from the top right:

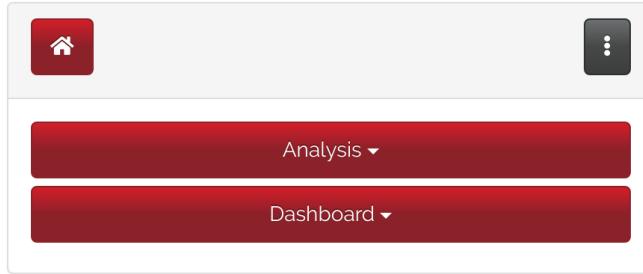
1. The user icon offers the option to log out,



2. The OASIS logo will re-direct to the OASIS website,



3. The left-hand panel lists the sections available in the UI and can be accessed at any point during the workflow to re-direct the user to any section of the UI,



Several functionalities are integrated within:

- The Home button on the top left will re-direct the user to the Home page view at any point,



- The collapse button will minimize the navigation panel (dropdown window) to allow for more space for the other panels,



- The **Analysis** button allows the user to start the process of creating a portfolio and running an analysis, whereas the **Dashboard** button allows the user to view results from a successful run and create additional plots.

4. The **Analysis table** shows all previously created analyses. If an analysis was successful, the user can go directly to the Dashboard by selecting the related row and clicking on **Dashboard of Analyses Outputs**. Additionally, this is the only place where an analysis can be deleted.

Analyses table													C
Show <input type="button" value="5"/> entries <input type="text" value="Search:"/>													
ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed	Status	
110	test-locnumber-2	37	test-doc	1	PiWind, version 1	OasisLMF	2019-11-20 13:26:20	2019-11-20 13:30:40	2019-11-20 13:30:35	2019-11-20 13:30:40	run completed	✓	
109	test-locnumber	33	Mat_test_1	1	PiWind, version 1	OasisLMF	2019-11-20 09:14:43	2019-11-20 09:14:44	2019-11-20 09:14:43	2019-11-20 09:14:43	inputs generation error	✗	
108	test-locnumber	41	test-map-12-11	248	FUTUREANUBE, version 1	H2020	2019-11-20 09:13:29	2019-11-20 09:13:29	2019-11-20 09:13:29	2019-11-20 09:13:29	inputs generation error	✗	
107	test-locnumber	37	test-doc	1	PiWind, version 1	OasisLMF	2019-11-20 09:12:54	2019-11-20 09:12:54	2019-11-20 09:12:54	2019-11-20 09:12:54	inputs generation error	✗	
106	check-dash-crash	4	piwind	1	PiWind, version 1	OasisLMF	2019-11-12 15:56:47	2019-11-20 10:49:46	2019-11-20 10:48:45	2019-11-20 10:49:46	run completed	✓	

Showing 1 to 5 of 82 entries

Previous 2 3 4 5 ... 17 Next

Upload data and run an analysis

The Analysis section guides the user towards a complete workflow from creating a portfolio to running an analysis. It can be accessed from the Home page by clicking on **Analysis -> Single Analysis** in the dropdown.



It is divided into three steps outlined below.

Choose Portfolio

The first step involves choosing a portfolio. If no portfolio has been created previously, the **Portfolios table** will be empty.

A screenshot of the OASIS interface. On the left, there's a sidebar with a home icon, a 'Dashboard' button, and a 'Analysis' dropdown menu. The main area is titled 'Choose Portfolio' and contains a 'Portfolios table'. The table has columns for ID, Name, Created, Modified, and Status. It lists several portfolios like 'test-map-12-11', 'test-doc', etc. At the bottom of the table are buttons for 'Amend Portfolio', 'Delete Portfolio', 'Upload Source Files', and 'Show Source Files'. Below the table is a 'Create Portfolio' button. At the top right, there are buttons for 'Choose Analysis' and 'Configure Output & Run'. A search bar is also present at the top right.

To model or review a previously created portfolio that requires no further changes, the user can simply select this row from the table. Any portfolio can be deleted or amended from this table by clicking either **Delete Portfolio** or **Amend Portfolio**. Once a previous portfolio has been chosen, the user can then progress onto the next step by clicking on **Proceed to Choose Analysis**.



When creating a new portfolio, a name is mandatory.

Create Portfolio

Create portfolio

Portfolio Name

documentation

Submit

Proceed to Choose Analysis

After the portfolio has been labeled, a ‘location’ file has to be uploaded. The ‘location’ file is the only compulsory data file required to produce the ground-up loss (GUL). The ‘account’ file will then be required to calculate the insured loss (IL) and the ‘RI scope’ and ‘RI info’ files will be needed to model the net of reinsurance perspective, making four files in total. If a portfolio was previously created but require different data files to be uploaded, this panel can be accessed by clicking on **Upload Source Files**.

Create Portfolio

Proceed to Choose Analysis

Link input files to portfolio id 43 "documentation"

Location file: dom-rep-cutdown-oed-locati
Upload complete

Account file: No file selected

RI info file: No file selected

RI scope file: No file selected

Clear

Previously uploaded files can be viewed by clicking on **Show Source Files**.

Amend Portfolio Delete Portfolio Upload Source Files Show Source Files

Create Portfolio

Proceed to Choose Analysis

Source files for portfolio 43 "documentation"

Select all

Show 10 entries

Search:

Selected	Files	Name	View
<input type="checkbox"/>	location_file	dom-rep-cutdown-oed-location.csv	
<input type="checkbox"/>	accounts_file	Not Available	
<input type="checkbox"/>	reinsurance_info_file	Not Available	
<input type="checkbox"/>	reinsurance_scope_file	Not Available	

Showing 1 to 4 of 4 entries

Previous 1 Next

Export to zip

By clicking on the refresh button on the top right, the status of the portfolio will then change from “In Progress” to “Completed” or “Failed”. When the status of the portfolio is “Ready”, then it is possible to move forward to the second step by clicking on **Proceed to Choose Analysis**.¹

Choose Analysis

In the second step, a new analysis can be created by clicking on **Create Analysis**. If other analyses related to the same portfolio were previously created, they will appear in the **Analyses table**.

¹Statuses explanations can be found in the Introduction section under the “Statuses” paragraph.

Show 10 entries Search:

No analysis available

Showing 1 to 1 of 1 entries Previous Next

[Generate Inputs](#) [Show Log](#) [Show Details](#)

[Create Analysis](#) [Proceed to Configure Output & Run](#)

It is also possible to change the portfolio by selecting a different one in the dropdown on the top

Portfolio ID

To choose a previously created analysis, the corresponding row in the **Analyses table** has to be selected. The user can now progress onto the third step by clicking on **Proceed to Configure Output & Run**.

After creating and naming the analysis, the user has to choose a model to run.

Create Analysis [Proceed to Configure Output & Run](#)

Pick a model and choose an analysis name - x C

Show 5 entries Search:

ID	Supplier Id	Model Id	Version Id	Created	Modified	Data Files	Resource File
368	CoreLogic	QuakeModel	2	2019-11-11 16:36:41	2019-11-11 16:36:41		http://gg.80.10.g8.8000/v1/models/368/resource_file/
341	GemFoundation	GMO	1	2019-11-06 16:37:13	2019-11-21 13:50:23	1.2	http://gg.80.10.g8.8000/v1/models/341/resource_file/
248	H2020	FUTUREDANUBE	1	2019-10-16 09:51:36	2019-10-16 09:51:36		http://gg.80.10.g8.8000/v1/models/248/resource_file/
99	CoreLogic	DUMMY_usaQuake	1	2019-08-30 10:42:39	2019-10-31 14:38:52	1	http://gg.80.10.g8.8000/v1/models/99/resource_file/
95	CoreLogic	DUMMY_japanQuake	1	2019-08-30 10:40:11	2019-08-30 10:46:08		http://gg.80.10.g8.8000/v1/models/95/resource_file/

Showing 1 to 5 of 8 entries Previous Next

[Show Model Details](#) Analysis Name [Submit](#)

This is the only step where a model can be selected and this action cannot be reverted. Once an analysis has been created, it is not possible to change it. If the wrong model was associated, a new analysis with the right choice will have to be created. Model information will depend on what the administrator has set up, further details on model settings and hazard maps (if available) can be viewed by clicking on **Show Model Details** and are highlighted in the figures below..

Show Model Details

Analysis Name: documentation-analysis Submit

Resources of model id 341 x C

Resources Hazard Maps

Model Settings
Show 10 entries Search: []

No model settings files associated with Model ID 341

Showing 1 to 1 of 1 entries Previous 1 Next

Lookup Settings
Show 5 entries Search: []

type	values	name
dictionary	All EO perils, Earthquake - Shake only, Fire Following, Liquefaction, Landslide, Sprinkler Leakage, Tsunami	PerilCodes

Showing 1 to 1 of 1 entries Previous 1 Next

Show Model Details

Analysis Name: documentation-analysis Submit

Resources of model id 341 x C

Resources Hazard Maps

Choose hazard file: hazard_500_SA(1.0).geojson

ReturnLevel: -0.2, -0.4, -0.6, -0.8, -1.0, -1.2, -1.4, -1.6

Leaflet | © OpenStreetMap contributors, CC-BY-SA

Once the analysis is created, the status will show as “inputs generation started” in the **Analyses table**.

Analyses associated to portfolio "documentation", id 43 - C

Show 5 entries Search: []

ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed	Status
115	documentation-analysis	43	documentation	341	GMO, version 1	GemFoundation	2019-11-25 13:28:43	2019-11-25 13:28:43	2019-11-25 13:28:43	NA	inputs generation started	

Showing 1 to 1 of 1 entries Previous 1 Next

Cancel Input Generation Show Log Show Details Proceed to Configure Output & Run

Create Analysis

By clicking on the refresh button, the status will change to either “ready” or “inputs error”.

Analyses associated to portfolio "documentation", id 43											
Show 5 entries Search: <input type="text"/>											
ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed
115	documentation-analysis	43	documentation	341	GMO.version 1	GemFoundation	2019-11-25 13:28:43	2019-11-25 14:50:08	2019-11-25 14:49:56	2019-11-25 14:50:08	ready ✓
	A					A					

Showing 1 to 1 of 1 entries

Previous 1 Next

[Generate Inputs](#) [Show Log](#) [Show Details](#)
[Proceed to Configure Output & Run](#)

[Create Analysis](#)

There could be several reasons for an “inputs error”, such as the wrong model or file being chosen or there could be some temporary issues in the back-end API. Details of an analysis can be viewed in the log file. Once the status is “ready”, the ‘Validation Summary’, ‘Validation Map’ and ‘Inputs’ will be displayed as highlighted in the figures below:

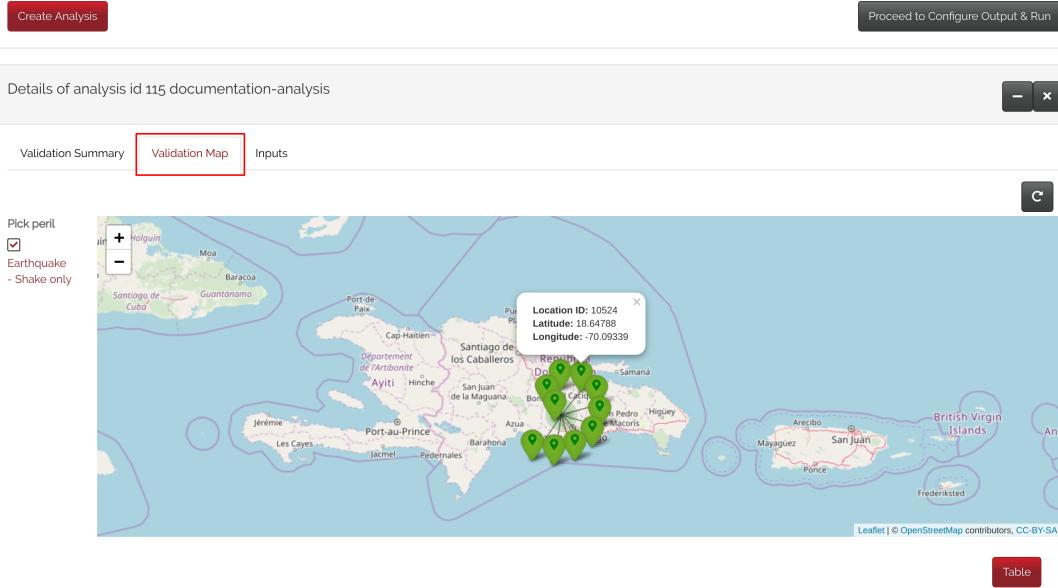
- The ‘Validation Summary’ displays some exposure information and highlights the successful and failed exposures.

Details of analysis id 115 documentation-analysis											
Validation Summary Validation Map Inputs											C
Pick peril	earthquake ▼										
Show 5 entries	Search: <input type="text"/>										
Type	All	Fall	Nomatch	Success							
number of locations	10	0	0	10							
tiv	111,086,467	0	0	111,086,467							
tiv by coverage: bi	0	0	0	0							
tiv by coverage: buildings	111,086,467	0	0	111,086,467							
tiv by coverage: contents	0	0	0	0							

Showing 1 to 5 of 6 entries

Previous 1 2 Next

- The ‘Validation Map’ is interactive and displays the pins of each successfully imported location in green with its corresponding address, TIV and location ID. These pins are displayed in red if they failed.



- The ‘Inputs’ display the analyses input files which have been generated combining the imported and exposure information as well as the selected model settings. These can be viewed and downloaded as csv, json or txt.

Inputs	
<input type="checkbox"/> Select all	<input type="text"/> Search:
Show 10 entries	<input type="button" value="View"/>
Selected	Files
<input type="checkbox"/>	location.csv
<input type="checkbox"/>	fm_profile.csv
<input type="checkbox"/>	default_fm_agg_profile.json
<input type="checkbox"/>	keys-errors.csv
<input type="checkbox"/>	exposure_summary_levels.json
<input type="checkbox"/>	coverages.csv
<input type="checkbox"/>	gul_summary_map.csv
<input type="checkbox"/>	items.csv
Showing 11 to 18 of 18 entries	
<input type="button" value="Export to zip"/>	

The user can now proceed to step 3 by clicking **Configure Output & Run**.

Configure Output & Run

In the third step, the user can choose the model configuration and parameters before running the analysis. The Analysis status will still be “ready” and will change after a configuration is run.

Analyses associated to portfolio "documentation", id 45

ID	Name	Portfolio Id	Portfolio Name	Model Id	Model Version	Supplier	Created	Modified	Task Started	Task Finished	Status Detailed	Status
119	documentation-analysis	45	documentation	341	GMO version 1	GemFoundation	2019-11-26 10:43:56	2019-11-26 10:44:02	2019-11-26 10:43:56	2019-11-26 10:44:02	ready	✓

Show 5 entries Search: []

Showing 1 to 1 of 1 entries Previous [1] Next

[Cancel Analysis Run](#) [Show Log](#) [Output Configuration](#) [Proceed to Dashboard](#)

For a new analysis, the user should select **Output Configuration**. If the analysis was run previously, the user should select **Rerun** and the related window will display the previous configuration.

The Output configuration window includes choices of perspectives, summary levels, reports and model parameters.

Define output configuration for analysis id 119 "documentation-analysis"

[Output Configuration](#) [Proceed to Dashboard](#)

Model Parameters

Event Set: Probabilistic

Occurrence Set: Time Dependent

[Advanced](#)

Output Parameters

Tag: Summary

Output Parameters Details

Perspective: GUL IL RI

Output Parameters Review

[Execute Run](#)

On the left, the 'Model Parameters' panel shows the available selection for the chosen model. More parameters can be viewed and selected when the user clicks on **Advanced**.

Model Parameters

Event Set: Probabilistic

Occurrence Set: Time Dependent

Number of Samples: 10

Loss Threshold: 0

Demand Surge

Basic

These settings are model-specific and will change with a different model.

On the right, the ‘Output Parameters’ panel displays all options for tags, perspectives, summary levels and reports. If no previous configuration was selected for the analysis, the default tag will be set to *Summary*. This includes *All Risks* at the summary level and *AAL*, *LEC Full Uncertainty OEP* and *LEC Full Uncertainty AEP* for the reports.

Tag
Summary

Output Parameters Details

Perspective
 GUL IL RI

Output Parameters Review

Perspective	Summary Level	Report
GUL	All Risks	AAL
GUL	All Risks	LEC Full Uncertainty AEP
GUL	All Risks	LEC Full Uncertainty OEP

Show 10 entries Search:

Showing 1 to 3 of 3 entries Previous Next

Export to csv

The second tag available in the dropdown is *Drill down*, where in addition to *All Risks*, other summary levels are available.

Tag

Drill-down

Output Parameters Details

Perspective

GUL IL RI

Summary Levels

+ -

Output Parameters Review

Show 10 entries

Perspective	Summary Level	Report
GUL	All Risks	AAL
GUL	All Risks	LEC Full Uncertainty AEP
GUL	All Risks	LEC Full Uncertainty OEP

Search: []

Showing 1 to 3 of 3 entries

Previous 1 Next

[Export to csv](#)

Clear

The final tag is *Custom*, where any combination of summary levels and reports are available. This is the only tag option that does not include a default selection.

Tag

Custom

[grid icon]

Output Parameters Details

[-]

Perspective

GUL IL RI

[+]
[-]
Summary Levels
Reports

Output Parameters Review

[-]

Output Parameters Review			
Show <input style="border: none; border-bottom: 1px solid black; padding: 2px 5px;" type="button" value="10"/> entries	Search: <input type="text"/>		
Perspective	Summary Level	Report	
No data available in table			
Showing 0 to 0 of 0 entries		Previous	Next
Export to csv			Clear

From here, the user can produce an extensive suite of outputs with various combinations. If multiple entries are selected in the ‘Summary Levels’, the losses for each ‘Report’ selected will be aggregated on the same line in **Output Parameters Review**. If the user requires the losses to be separated by individual ‘Summary Level’ then these will need to be selected separately. It is possible to add rows for more combinations by clicking on the “+” button and remove other by clicking on the “-”.

Output Parameters

Tag
Custom 

Output Parameters Details

Perspective
 GUL IL RI

Summary Levels	Reports
All Risks	AAL LEC Full Uncertainty OEP LEC Full Uncertainty AEP
Summary Levels	Reports
accnumber	AAL

Output Parameters Review

Show 10 entries Search:

Perspective	Summary Level	Report
GUL	All Risks	AAL
GUL	All Risks	LEC Full Uncertainty OEP
GUL	All Risks	LEC Full Uncertainty AEP
GUL	accnumber	AAL

Showing 1 to 4 of 4 entries Previous  Next 

It is also possible to duplicate the output configuration used in another analysis by clicking on the pop-up list button on the right of the Tag dropdown.

Tag
Custom 

The **Clear** button will erase the entire selection. Once the selection is completed, the model can be run by clicking on **Execute Run**.

Perspective

GUL IL RI

Summary Levels

All Risks

Reports

AAL
LEC Full Uncertainty OEP
LEC Full Uncertainty AEP

Summary Levels

accnumber

Reports

AAL

Output Parameters Review

Show 10 entries Search:

Perspective	Summary Level	Report
GUL	All Risks	AAL
GUL	All Risks	LEC Full Uncertainty OEP
GUL	All Risks	LEC Full Uncertainty AEP
GUL	accnumber	AAL

Showing 1 to 4 of 4 entries Previous 1 Next

[Export to csv](#)

[Clear](#)

[Execute Run](#)

By clicking on the refresh button, the analysis status will change from “run started” to “completed” or “run error”. In the event of a failed run, the details of the failure can be viewed in the log window ; if successful, the user should proceed to the **Dashboard**.

View results

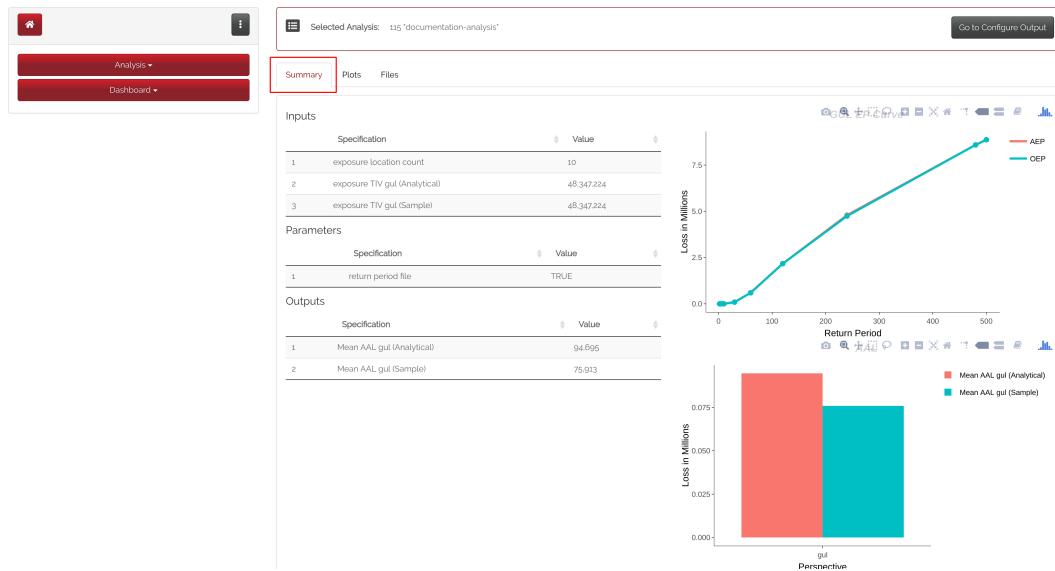
The Dashboard section contains the model outputs from successfully run analyses and allows the user to create additional plots and view the input and output files. This view can be reached from the Home page by either selecting an analysis from the **Analyses table** and clicking on **Dashboard of Analyses Outputs** or by clicking on **Dashboard → Single Analysis Dashboard** in the drop-down.



Results from a different analysis can be viewed at any time by clicking on the pop-up list button on the top. This section comprises of 3 tabs: Summary, Plots, and Files.

Summary

The Summary tab shows the **Inputs**, **Parameters** and **Outputs tables**, as well as plots for any selection of *AAL* (for both Analytical and Sample types), *LEC Full Uncertainty OEP* and *LEC Full Uncertainty AEP* (Sample type if available, otherwise Analytical). Graphs are plotted separately for all of the chosen perspectives.



Plots

Additional plots can be created in the 'Plots' tab by clicking on **New Plot**. However, these plots will not be stored and will be removed as soon the page is changed.

Selected Analysis: 115 "documentation-analysis"

[Go to Configure Output](#)

Summary **Plots** Files

Custom plot

Plot type: loss per return period

Perspective: GUL IL RI

Type: Sample

Report:

Summary Levels:

Title: Y axis in Millions

Draw Plot

Choices of plots include: *loss per return period* and *AAL bar plot*, respectively producing a line and a bar plot for any choice of perspectives, reports and summary levels previously selected in the third step of the Analysis. Multiple selections of either perspectives or reports and, if available, both Sample and Analytical types can be made. The user can label their plots in ‘Title’.

Selected Analysis: 115 "documentation-analysis"

[Go to Configure Output](#)

Summary **Plots** Files

Custom plot

Plot type: loss per return period

Perspective: GUL IL RI

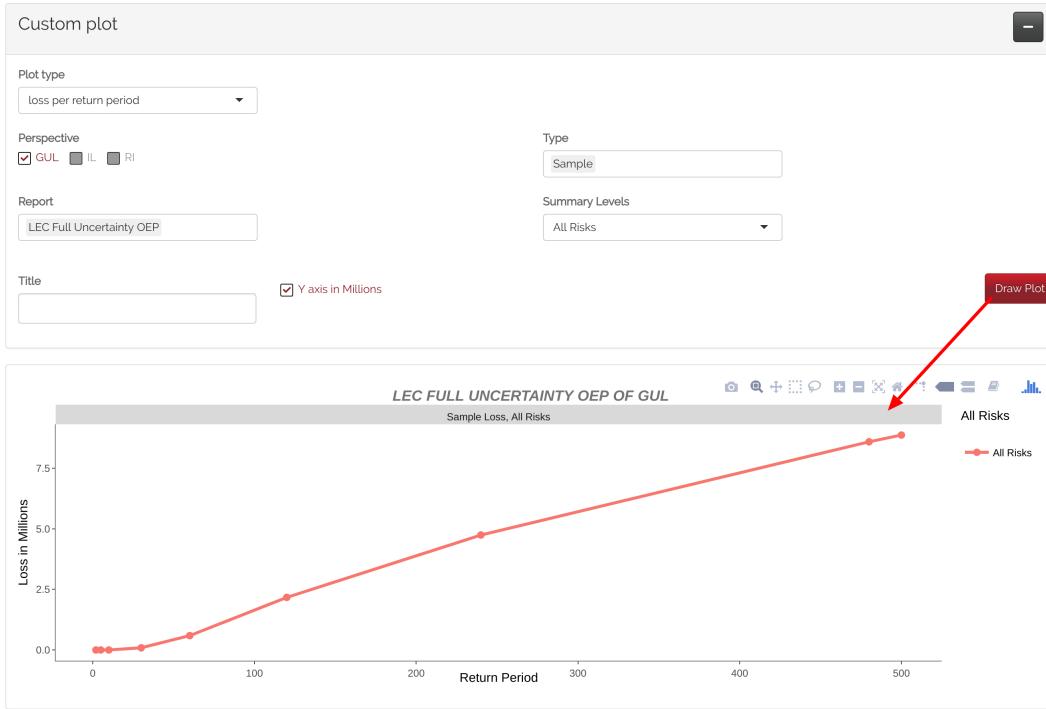
Type: Sample

Report: LEC Full Uncertainty OEP

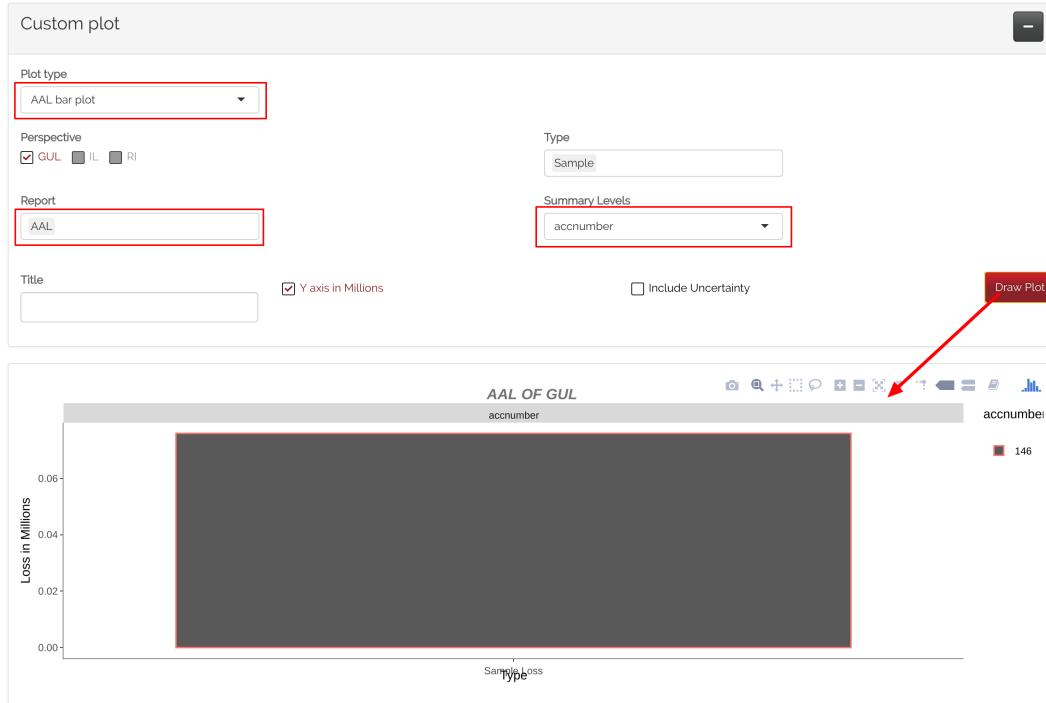
Summary Levels: All Risks

Title: Y axis in Millions

Draw Plot



The **AAL bar plot** also includes the option for uncertainty bars and outputs a bar plot.



A maximum number of five panels can be created.

Files

The Files tab comprises of two panels.

The first window shows the ***Output files table***, which lists the output files. These files include all information regarding the run selection and all related outputs.

The screenshot shows a software interface for managing analysis results. At the top, there's a header bar with a 'Selected Analysis' dropdown set to '115 "documentation-analysis"', a 'Go to Configure Output' button, and tabs for 'Summary', 'Plots', and 'Files'. The 'Files' tab is highlighted with a red box. Below the tabs is a title 'Output files table' with a red box around it. The main area is a table with columns: 'Selected' (checkbox), 'Files' (file names), 'Perspective' (gul), 'Summary Level' (acnumber), and 'Report' (Summary Info, LEC Full Uncertainty OEP, Summary Info, LEC Full Uncertainty AEP, AAL, AAL). There are 6 entries listed. At the bottom left is an 'Export to zip' button, and at the bottom right are navigation buttons for 'Previous', '1' (selected), and 'Next'.

Selected	Files	Perspective	Summary Level	Report
<input type="checkbox"/>	gul_S2_summary-info.csv	gul	acnumber	Summary Info
<input type="checkbox"/>	gul_St_leccalc_full_uncertainty_oep.csv	gul	All Risks	LEC Full Uncertainty OEP
<input type="checkbox"/>	gul_St_summary-info.csv	gul	All Risks	Summary Info
<input type="checkbox"/>	gul_St_leccalc_full_uncertainty_aep.csv	gul	All Risks	LEC Full Uncertainty AEP
<input type="checkbox"/>	gul_S2_aalcalc.csv	gul	acnumber	AAL
<input type="checkbox"/>	gul_St_aalcalc.csv	gul	All Risks	AAL

Below the ***Input files table*** contains all of the analysis' input files.

The screenshot shows a software interface for managing analysis inputs. At the top, there's a header bar with a 'Selected Analysis' dropdown set to '115 "documentation-analysis"', a 'Go to Configure Output' button, and tabs for 'Summary', 'Plots', and 'Files'. The 'Files' tab is highlighted with a red box. Below the tabs is a title 'Input files table' with a red box around it. The main area is a table with columns: 'Selected' (checkbox), 'Files' (file names), and 'View' (button). There are 10 entries listed. At the bottom left is an 'Export to zip' button, and at the bottom right are navigation buttons for 'Previous', '1' (selected), and 'Next'.

Selected	Files	View
<input type="checkbox"/>	fm_xref.csv	
<input type="checkbox"/>	default_loc_profile.json	
<input type="checkbox"/>	fm_summary_map.csv	
<input type="checkbox"/>	account.csv	
<input type="checkbox"/>	keys.csv	
<input type="checkbox"/>	ModelVersion.csv	
<input type="checkbox"/>	fm_programme.csv	
<input type="checkbox"/>	fm_policytc.csv	
<input type="checkbox"/>	exposure_summary_report.json	
<input type="checkbox"/>	defaultAcc_profile.json	

The content of each file can be viewed in a separate pop-up by selecting the equivalent row and clicking on the **View** button. These files can also be downloaded as a zip.

Glossary

- AAL: Average Annual Loss.
- All Risks: all OED fields (open exposure database).
- Account file: Contains all financial policy terms such as deductibles, limits and shares.
- AEP: Aggregate Exceedance Probability. The losses from all modeled events in a given year or period.
- Custom option: no default summary levels and reports.
- Demand Surge: An uplift to modeled losses to account for higher repair costs for building damage that could occur following large catastrophic events.
- Drilldown option: default summary levels and reports with no option of additional summary levels.
- Event Set: Probabilistic or Historical.
- Perspectives: GUL (Ground Up Loss). The losses produced before any policy terms are applied. IL (Insured (or gross) Loss). The losses produced net of any policy terms. RI (reinsurance). The losses net of any reinsurance structure.
- Hazard Map: probability distribution of intensity for each combination of events and area perils.
- Location file: file containing exposure information such as address and location data, occupancy, construction and building age. Coverage total insured values are also contained in this file.
- Loss Threshold: amount of loss not to be exceeded.
- Model: combination of hazard and vulnerability modules.
- Number of Samples: number of ‘Monte Carlo’ simulations to be run.
- Occurrence Set: Time Dependent or Time Independent.
- OEP: Occurrence Exceedance Probability. The losses from the single largest event in a given year or period.
- Portfolio: Contains all exposure, policy and reinsurance information to be modeled.
- Resources: model and lookup settings.
- Return period: The probabilistic loss of different severities along a loss curve.
- RI scope file: Reinsurance scope file: Contains information on which exposures being modeled, the reinsurance should apply to.
- RI info file: Reinsurance information file. Contains information on the reinsurance structure such as attachment point, limits, shares and reinstatement premiums.
- Summary option: default summary levels and reports with no option of additional combination
- TIV: Total Insured Value.