Output configuration

Model Parameters

Event Set

Occurrence Set

Wind

Flood

Advanced

Output Parameters

i Tag

Portfolio

Output Parameters Details

Execute

Output configuration

Add information about the meaning of the tag

Model Parameters

Event Set

Occurrence Set

Wind

Flood

Advanced

Only available if present in model resources with more than the default value.

Other options are:
- Number of samples
- Loss Threshold
- Leakage Factor

Output Parameters

i Tag

Portfolio

By clicking the icon, a pop up opens (like in the reporting section) to select the analysis. Then the “tag” is assigned accordingly.

Output Parameters Details

Portfolio
OEP/AEP & AAL at Portfolio Level

Drill-down
OEP/AEP & AAL at Portfolio Level and at any sub level of choice (among those available in the inputs)

Custom
OEP/AEP & AAL at Portfolio Level plus any other option combination

Execute

Execute Run. Computes the combinations of output options, writes the analysis settings, starts the analysis

Output configuration

Model Parameters

Event Set

Occurrence Set

- Wind
- Flood

Advanced

The idea is that the Basic View is a special case of the Dashboard view, which in turn is a special case of Custom

For all perspective we produce the default outputs (OEP, AEP and AAL) at portfolio level. The table is a review of the selection

Output Parameters

i Tag

Portfolio

Output Parameters Details

Perspective

GUL IL RI

The default selection is inferred from the available inputs

Output Parameters Review

Perspective	Summary Level	Report
GUL	Portfolio	OEP
GUL	Portfolio	AEP
GUL	Portfolio	AAL
IL	Portfolio	OEP

Download to csv

Execute

Output configuration

Model Parameters

Event Set

Occurrence Set

Wind

Flood

Advanced

Output Parameters

i Tag

Drill-down

Output Parameters Details

Perspective

GUL IL RI

Summary Levels

Location

- Selectize input:
- Multiple choices available.
- OED fields
- Could be dynamically populated from the input. To define how much controlled this should be.
- Portfolio level is always produced so it is not in the list.
- Define default preselection.

The perspectives apply to all summary levels and report combinations

For all perspective we produce the default outputs (OEP, AEP and AAL) for all the selected summary levels

Output Parameters Review

Execute

Output configuration

Model Parameters

Event Set

Occurrence Set

Wind

Flood

Advanced

The perspectives apply to all summary levels and report combinations

Output Parameters

i Tag

Custom

Output Parameters Details

Perspective

GUL IL RI

Summary Levels

Location

Report

AAL

+

Output Parameters Review

Execute

Dashboard

Analysis

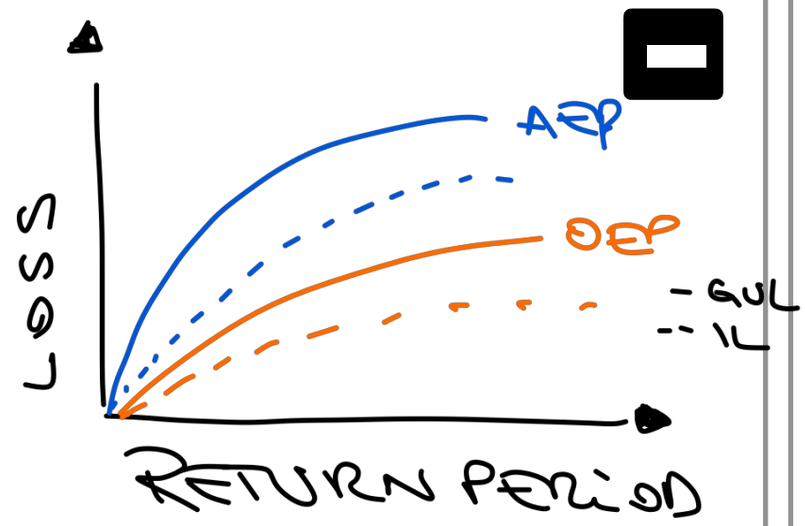
Results

Select Analysis via pop-up - visualize analysis ID

Summary | Dashboard | Files

Analysis Summary

- TIV
- Num of Locations
- % exposure modeled
- AAL at portfolio level
- 50 and 200 return periods AEP/OEP
- Analysis Tag



The tag is a grouping tag

Tabular

Output configuration

Drill down view

Review of output configuration as in the Step 3

Button to go to Dashboard tab Sub tab EP Curve

Inputs Review

Model Parameters Review

Key Question:
What is the modeled Risk Profile?
What is the Exposure?

Analysis

Results

Select Analysis via pop-up - visualize analysis ID

Summary | Dashboard | Files

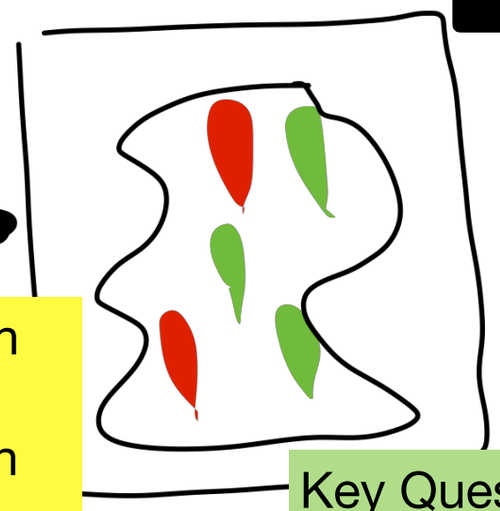
Analysis Summary

Inputs Review

- Number of Locations
- TIV
- % of exposure modeled
- Number of dropped
- Accounts (number?)
- RI (Y/N)?

Tabular

Map view with color-coded locations as in Step 2



Key Question: What is the exposure?

Model Parameters Review

Analysis

Results

Select Analysis via pop-up - visualize analysis ID

Summary | Dashboard | Files

Analysis Summary

Inputs Review

Model Parameter Review

- Events Sets
- Occurrence Sets
- Perils
- Leakage Factor
- Number of samples
- GUL threshold

Tabular

Additional info/plots here as in model detail in Step 2

Analysis

Results

Select Analysis via pop-up - visualize analysis ID

Summary | Dashboard | Files

EP Curves | AAL

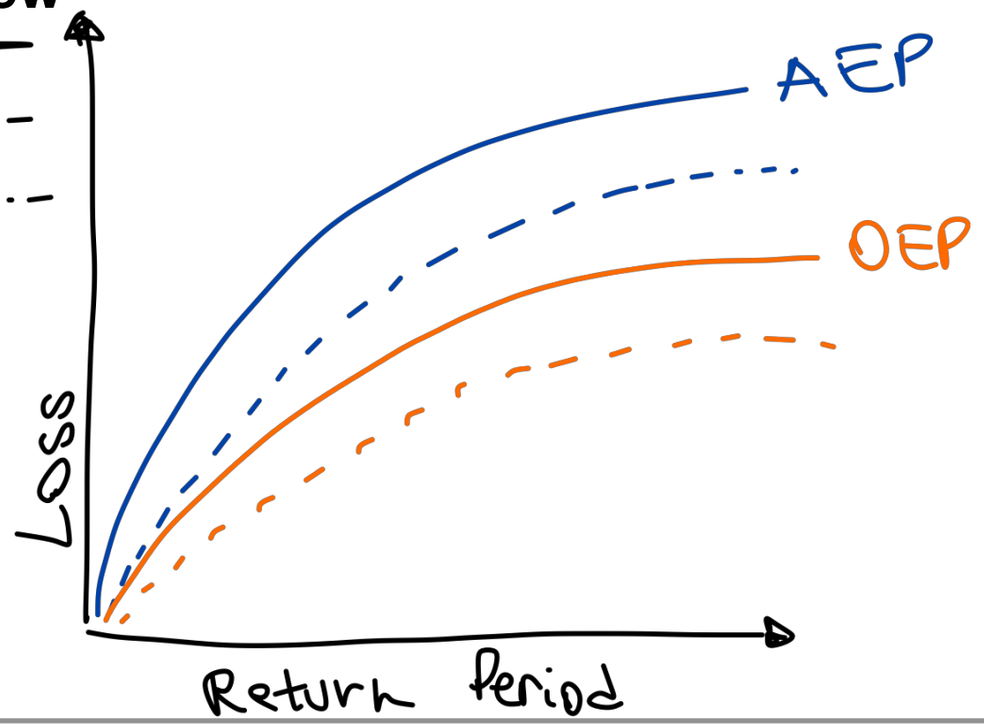
Potentially other tabs for other report types

- If Tag is “Portfolio”, only the portfolio level plots are available for each tab.
- If tag is “Drill-down” or “Custom” (for those cases when “Custom” overlaps with “Drill-down”), then drill-down view for the simulated summary levels is available.

EP Curves

Portfolio View

- GUL
- IL
- RI



Key Question: What is the modeled Risk Profile?

Multiple panels for different summary levels

Drill Down view - Summary Level XXX

Summary level: XXX

Pick a summary level at a time, among those simulated

Perspective

- GUL
- IL
- RI

View: Top n

Other options (one selection at a time):
- treemap
- map (only available for summary levels with geolocalisation)

Faceting

Top n: n

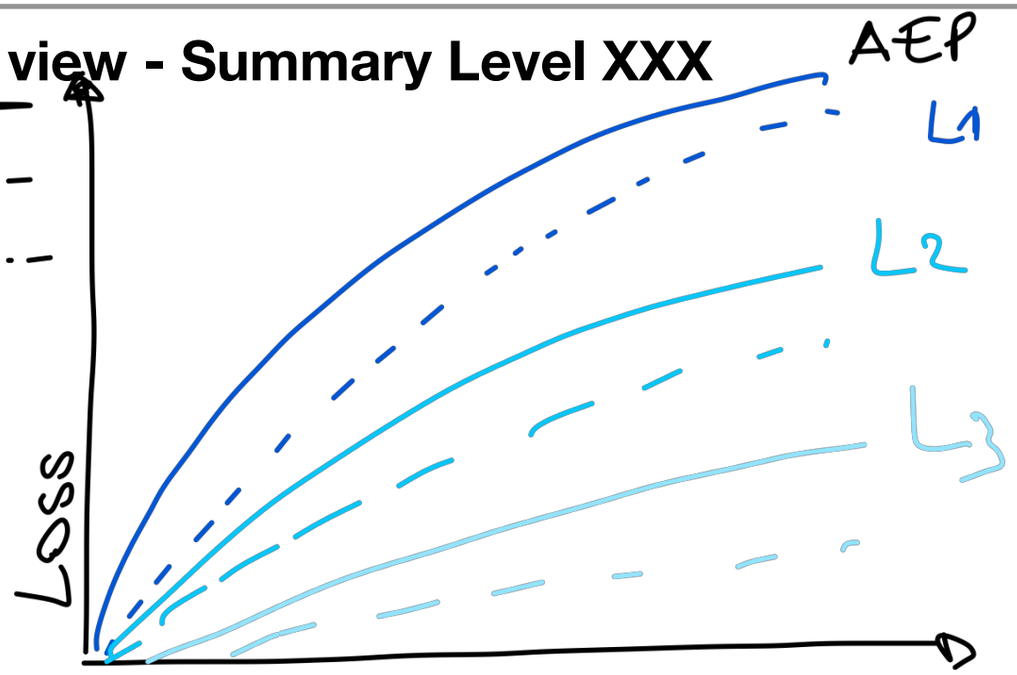
How to define top n? Highest exposure at a given/fixed return period?

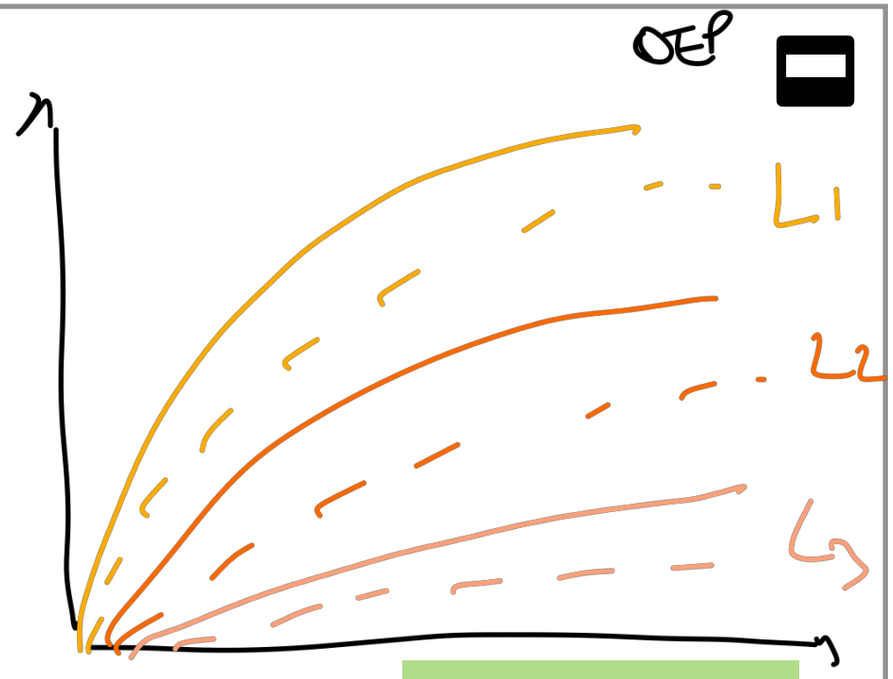
Add Drill Down view

EP Curves

Drill Down view - Summary Level XXX

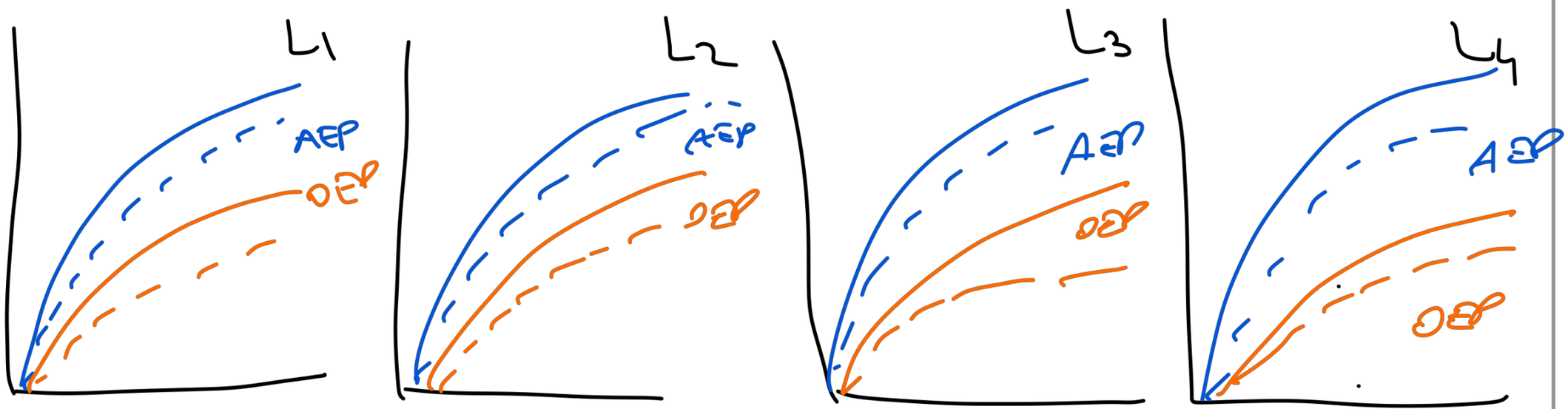
- GUL
- IL
- RI





Key Question: What are the top driver of the portfolio risk?

IF FACETING

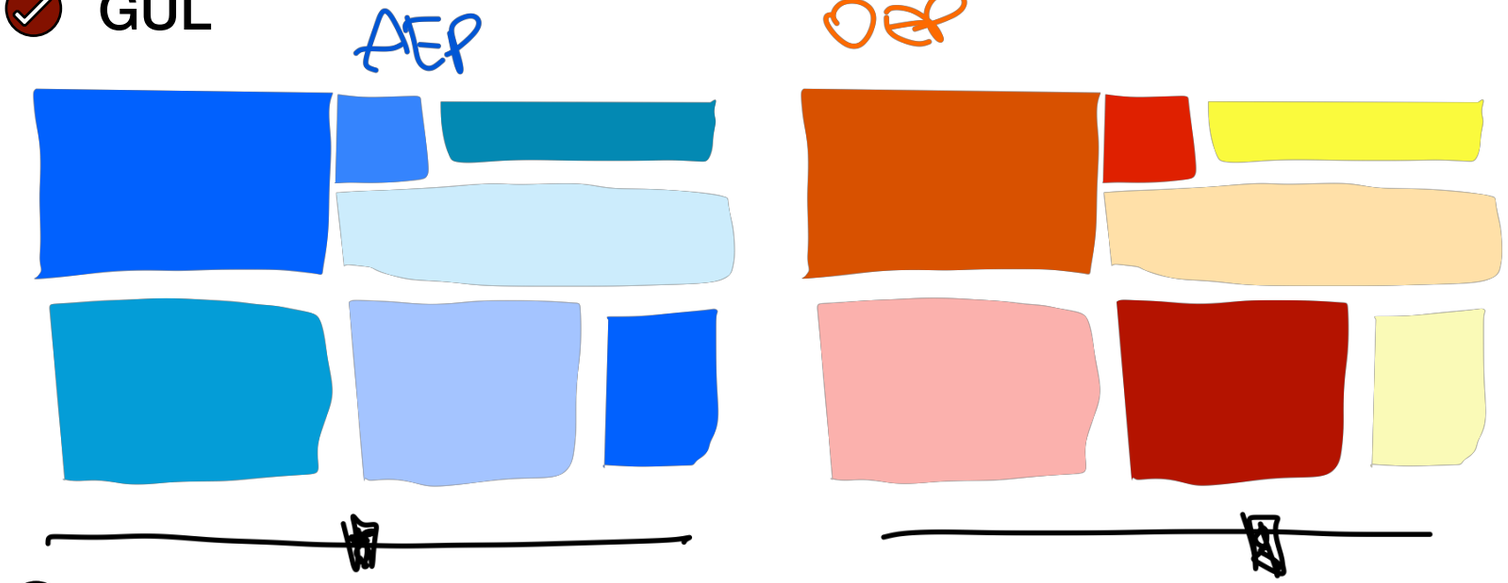


EP Curves

Drill Down view - Summary Level XXX

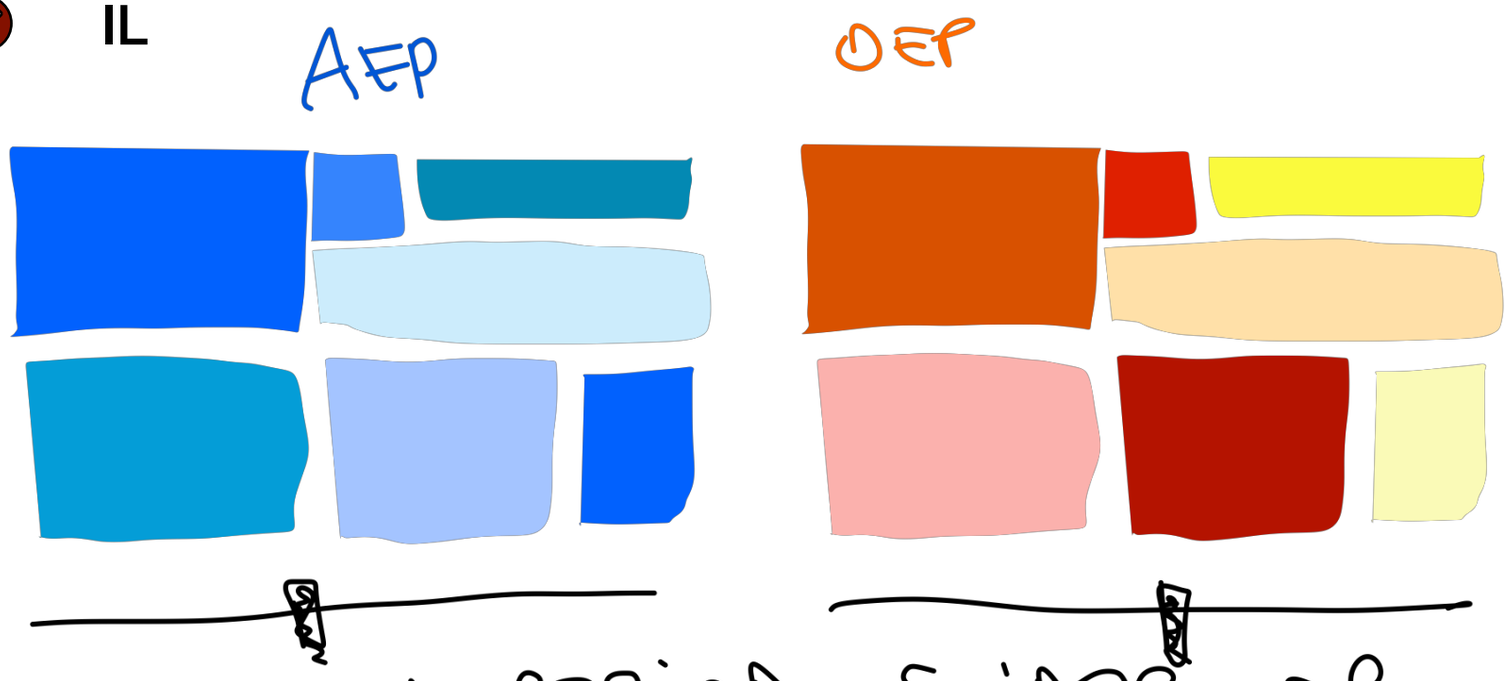
IF TREEMAP

GUL



- Key Question: What are the top driver of the portfolio risk?
- What actions could be taken to reduce portfolio risk?

IL



Tree map at summary level.

- Colored by risk and sized by exposure.

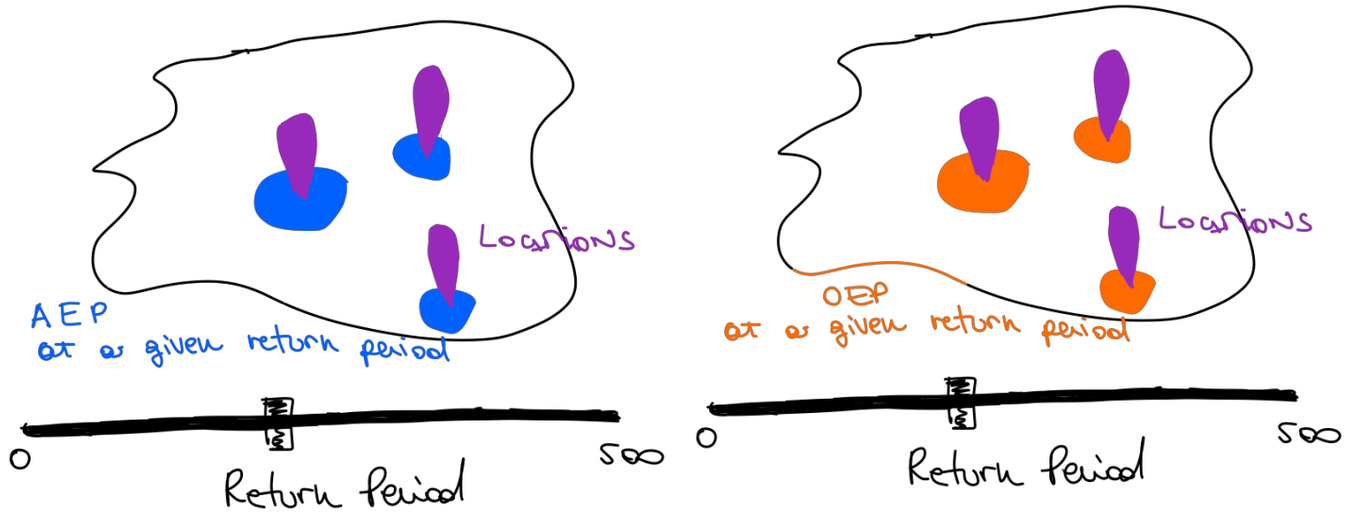
Hierarchical treemaps if hierarchy relation between summary levels is inferable.

EP Curves

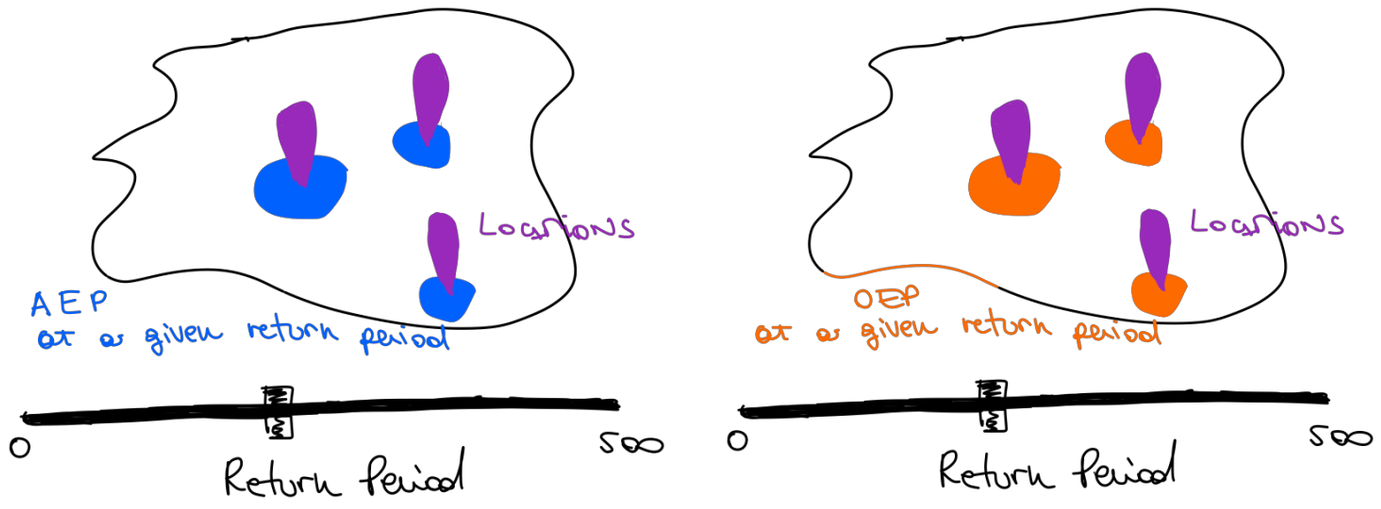
Drill Down view - Summary Level XXX

IF MAP → Geolocalisation available

- GUL



- IL



- Key Question: What are the top driver of the portfolio risk?
- What actions could be taken to reduce portfolio risk?
- What is the model led risk profile?

Hierarchical maps if hierarchy relation between summary levels is inferable.

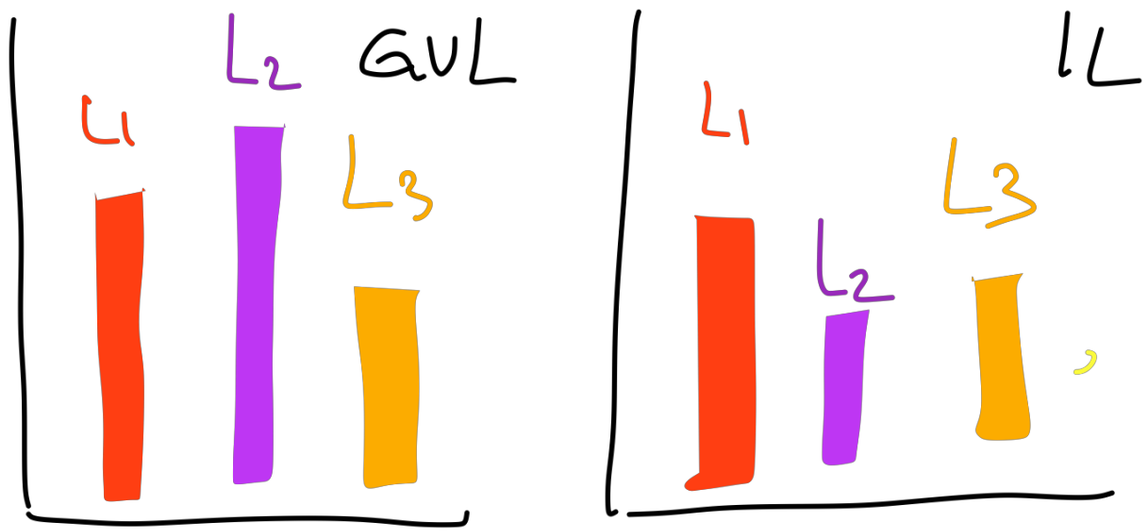
AAL Curves

Portfolio View

- [x] GUL
- [x] IL
- [ ] RI

Key Question: What is the modeled Risk Profile?

Drill Down view - Summary Level XXX



If faceting, facets by level similarly to EP curves case

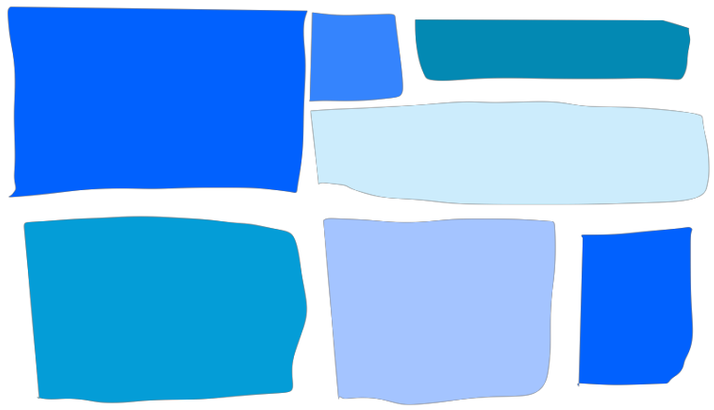
Add Drill Down view

AAL

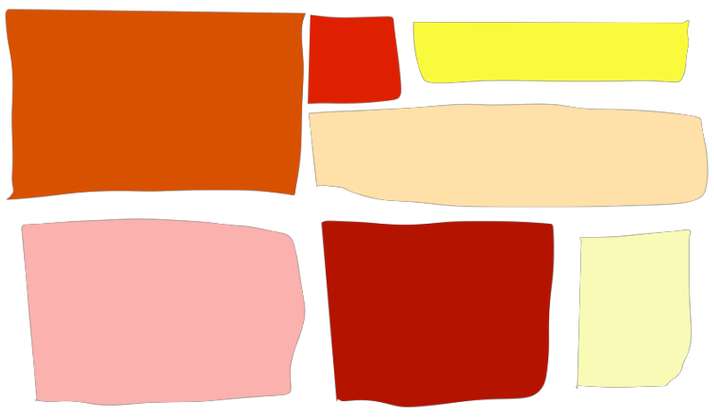
Drill Down view - Summary Level XXX

IF TREEMAP

GUL



IL



- Key Question: What are the top driver of the portfolio risk?
- What actions could be taken to reduce portfolio risk?
- What is the model led risk profile?

Tree map at summary level.

- Colored by risk and sized by exposure.

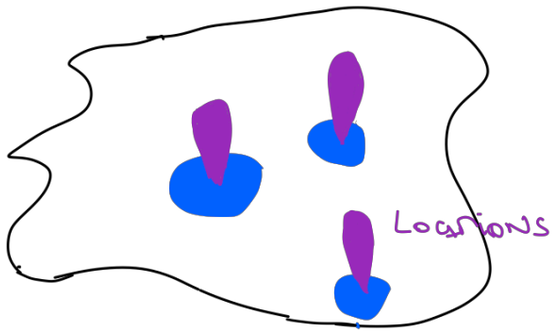
Hierarchical treemaps if hierarchy relation between summary levels is inferable.

AAL

Drill Down view - Summary Level XXX

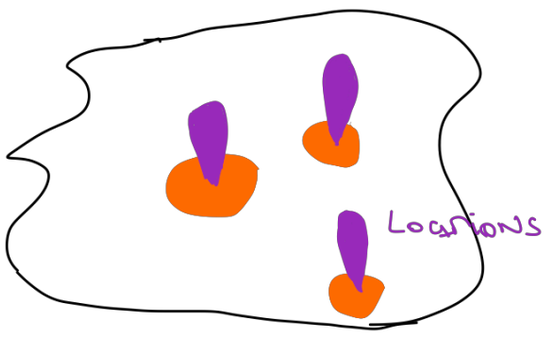
IF MAP → Geolocalisation available

GUL



- Key Question: What are the top driver of the portfolio risk?
- What actions could be taken to reduce portfolio risk?
- What is the model led risk profile?

IL



Hierarchical maps if hierarchy relation between summary levels is inferable.

Other key questions

- What aspects of the model are driving the portfolio risk?
- What are the main uncertainties in the modeled risk?

Both can be answered with a sensitivity analysis.
Such type of analysis goes under the concepts of batch runs and comparison of runs. In such cases we might want to provide aggregated, summarized results to the user.
Therefore there is a need of a “grouping tag” indicating which analyses belong together.

For comparison runs we might limit the comparison to 2 to 4 runs max.

Exposure Validation - Step 2

Analyses associated with portfolio xxx id yyy

Analysis id				Status
1				Ready
2				Completed
3				Failed
4				In Progress

Start Input generation

Available If status is Ready, completed or Failed

Cancel Input generation

Available If status is input generation started

Logs

Trace back files

Details

Create Analysis

Proceed to Output Configuration

Exposure Validation - Step 2

If Details

Exposure Validation	Generated Inputs	Uploaded Inputs

Same tabular view that we have now under Generated Inputs button

Same tabular view that we have now under Inputs button

Tabular View of:

- TIV
- Percentage of exposure dropped
- Amount of exposure dropped/modeled
- Amount of location dropped
- Modeled insured value over Total insured Value

The infos in this panel are available only after the input generation step

Downloadable Tabular view of the input exposures where the rows are color coded: green the exposure can be modeled, red the exposure is dropped

Map view of locations color coded: green the exposure can be modeled, red the exposure is dropped

Exposure Validation - Step 2

If Create Analysis - under model details

Additionally to the model resource file in tabular view, additional informations/ plots as provided by the model provider; e.g. hazard map overlapped with exposure location etc

The infos in this panel are available prior to the input generation step