**ResInsight User Course  
April 2024**

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**Support and Resources**

**Main help page**<https://resinsight.org/>

**Tutorials and recordings**

Tutorial site for ResInsight  
<https://github.com/CeetronSolutions/resinsight-tutorials>

Video recording of selected tutorials  
<https://www.youtube.com/channel/UCEJoH_ti1YZXz4hPMeAKMgw>

**Overview of the interface for 3D visualization**

<https://github.com/CeetronSolutions/resinsight-tutorials/blob/main/tutorials/graphical-user-interface/graphical-user-interface.md>

**Preparations**

Test models used in tutorials are available from <https://github.com/CeetronSolutions/resinsight-tutorials>

Either clone the GitHub repository, or select “**Download ZIP**” from the **Code** menu

A screenshot of a computer

Description automatically generated

**Conventions**

In this document, **bold text** indicates an object in the property tree. Menu item text is “written in quotes”.

Example   
Select “New Intersection” from **Intersections.**

**Tips and tricks**

Please close the existing project (“File->Close Project”) before starting a new tutorial. This will help you to avoid confusion caused by data from previous tutorials.

## Well Target Mapping

#### A screenshot of a computer AI-generated content may be incorrect.Objective: Identify new well target candidates

1. Import grid data using “Import Eclipse Case” from folder “/model-data/drogon-varying-grid-geometry/realization-0/iter-0/eclipse/model/DROGON-0.EGRID”
2. From the right-click menu of the grid model select **“New Well Target Mapping”**
3. In the **Property Editor**, click **Generate** at the bottom of the properties  
   The first available view will be updated with the well target candidates
4. Select between available **Generated Results**. All cells in a cell cluster are assigned with the cluster property.
5. Reduce the minimum threshold for **Saturation Oil** and see that some well target clusters become larger

<https://resinsight.org/workflows/welltargetmapping>

A map of a game

AI-generated content may be incorrect.

## Ensemble Contour Map

#### Objective: Import grid models and create statistics contour map

1. Import ensemble of grid models
   1. Select **“File->Import->Eclipse Cases->Create Grid Case Ensemble”**.
   2. Select folder **“model-data/drogon-varying-grid-geometry”**, and press **Search** and **Ok**
2. Expand the **Realizations** folder to verify the import of realizations
3. From the right-click menu of the ensemble “iter-0” select “New Ensemble Contour Map”
4. In the **Result Aggregation** dropdown, select “Mobile Oil Column” and click **Compute**
5. A map with a colorful contour

   AI-generated content may be incorrect.In the generated contour map, select the **Map Projection** object. Set **Statistics Type** to **P90**
6. Set value filter to Above set the value to 1.2. This will remove contour map values below 1.2
7. Inside the plot are of the contour map, select **“Create Polygon From Contour Map”**
8. Activate the 3D view. Right-click on **Cell Filters** and select one of the generated polygons.  
   The cells outside the polygon will be hidden.
9. In the top level **Polygons** object, increase **Line Thickness** to improve polygon visibility

<https://resinsight.org/3d-main-window/ensemblecontourmap/>

A screenshot of a computer

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