

Oracle BI 11g Reports and Dashboards

Embedded Maps

PEAK
indicators

Agenda

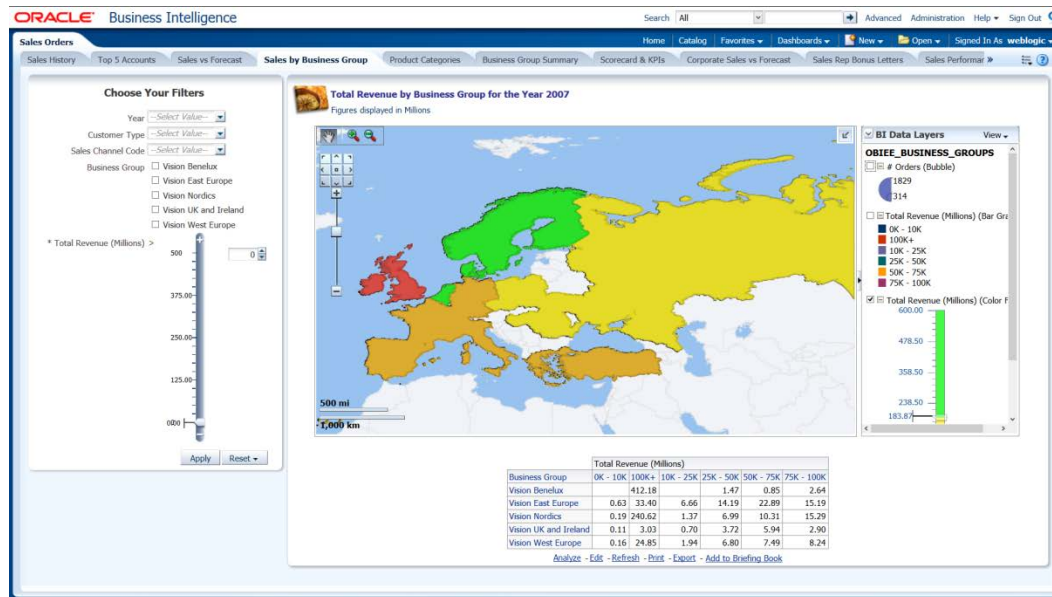
- **Embedded Maps**
 - Creating
 - Default Map
 - Editing your Map
 - Editing Layers
 - Adding Further Layers
 - Enabling/Disabling Layers
 - Custom Point Layers
 - Interactions
 - Drill-Down
 - Action Links
 - Master-Detail Linking
 - Printing and Downloading



Interactive Reports
Embedded Maps

Embedded Maps

- The ability to embed maps in to Oracle BI Dashboards is an exciting feature available with OBIEE 11g
- Report developers have the power to build colourful and interactive maps within their BI Dashboards....no coding or technical know-how required!



NOTE:
Various "map provider" sources are supported:

- Oracle Database
- Oracle eLocation
- Web Map Services (WMS)
- Google Maps
- Bing Maps

Embedded Maps

Creating Maps is Easy!

- Create an Analysis within Answers as you normally would
- Then just add a “Map” view to the Analysis
- You just need to make sure at least one of the columns can be rendered on a map!
 - In this example, each “Organization Name” corresponds to a geographical country and this has been configured for display on a Map by the OBIEE administrator


The screenshot shows the OBIEE Compound Layout editor. The main area displays a Pivot Table titled "Total Revenue by Business" with the subtitle "Figures displayed in Millions". The Pivot Table has two columns: "Organization Name" and "Total". The data rows list various countries: Vision Belgium, Vision Finland, Vision Ireland, Vision Poland, Vision Portugal, Vision Romania, Vision Russia, Vision Spain, Vision Sweden, Vision Switzerland, and Vision Ukraine. The "Total" column shows values for the last two rows: 5.19 for Vision Switzerland and 0.00 for Vision Ukraine.

On the right side, there is a "Best Visualization" palette. The "Map" option is highlighted with a red rectangle. Other options in the palette include: Recommended Visualization for, Title, Table, Pivot Table, Performance Tile, Trellis, Graph, Gauge, Funnel, Filters, and Selection Steps. The "Other Views" section is also visible at the bottom of the palette.

Organization Name	Total
Vision Belgium	
Vision Finland	
Vision Ireland	
Vision Poland	
Vision Portugal	
Vision Romania	
Vision Russia	
Vision Spain	
Vision Sweden	
Vision Switzerland	5.19
Vision Ukraine	0.00

Embedded Maps

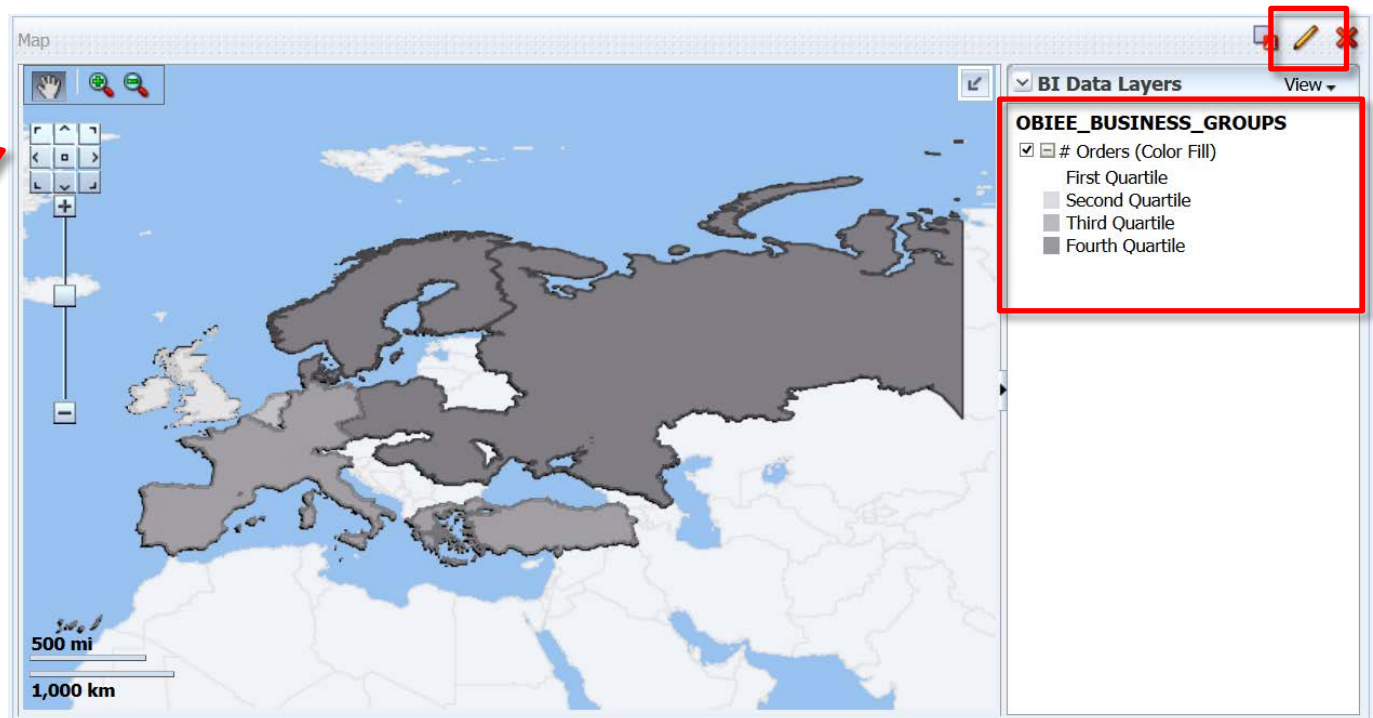
Default Map

- A default map is then created for you!
 - In this case a “grey” colour fill is used to reflect the “# Orders” within each Organization
 - You can now start to configure your new Map by clicking on the  button

You get a default Navigation Panel with options for zooming and panning

You can also:

1. Zoom the map by double-clicking
2. Pan the map by clicking and dragging



Embedded Maps

Editing Your Map

- The map editor provides a number of options:

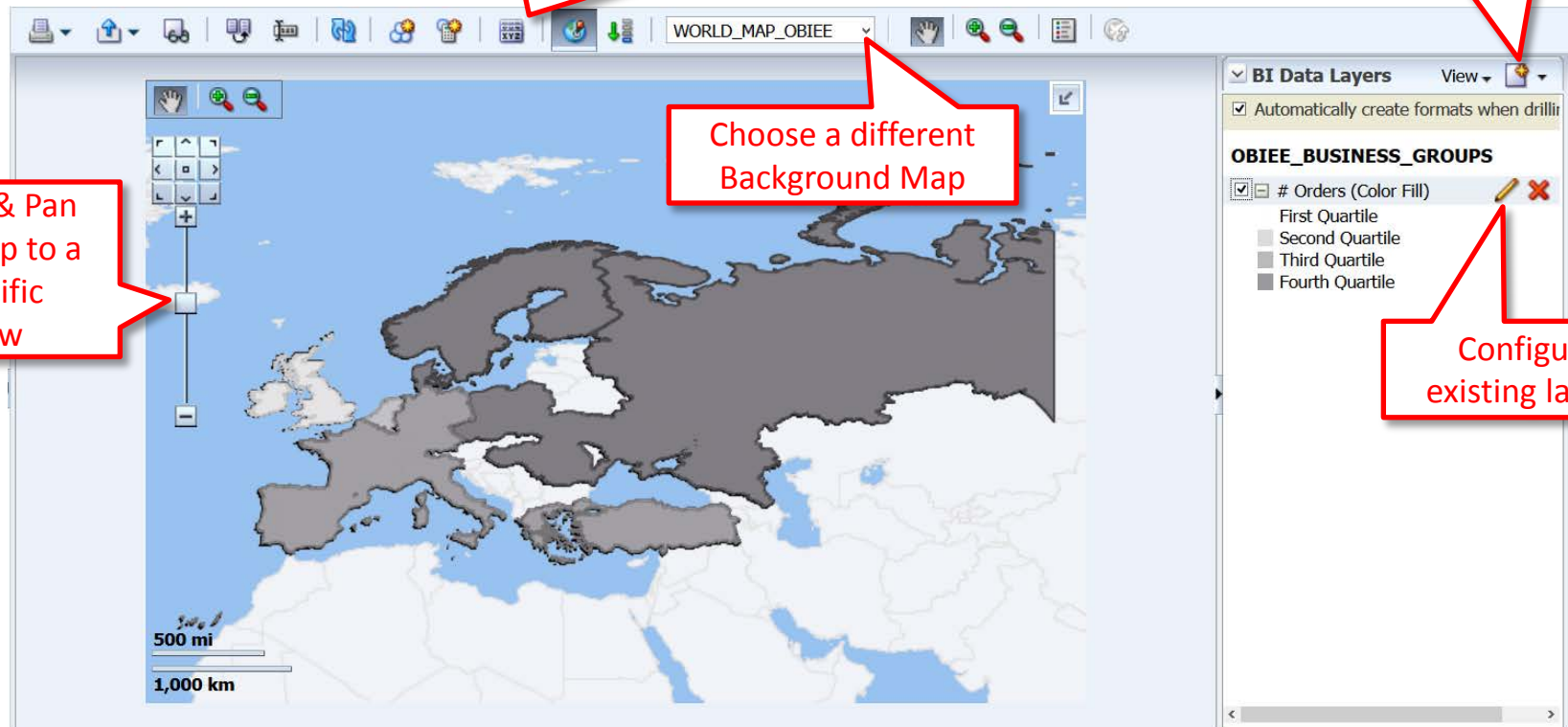
View properties
(map size, default options etc)

Add new layers

Zoom & Pan
the map to a
specific
view

Choose a different
Background Map

Configure
existing layers



Embedded Maps

Editing Layers

- There is a lot of flexibility when it comes to formatting your Layers
 - In this example we have divided “# Orders” in to four different Bins and chosen our own custom colours

The screenshot shows the 'Color Fill (OBIEE_BUSINESS_GROUPS)' dialog box. It is used to configure the color fill for a layer. The dialog includes fields for Name, ToolTips, Vary Color By, Bin Type, Bins, Style, and a table for Minimum, Label, and Color. There are also checkboxes for 'Name Automatically', 'Allow Dashboard Users to Edit Thresholds', and a Transparency slider.

Annotations (in red boxes) point to specific features:

- State which column values are displayed when you click on the Layer (points to ToolTips)
- Measure used to determine colour (points to Vary Color By)
- Categorise (Bin) values by Percentile, Specific Value or use a Continuous Colour Fill (points to Bin Type)
- State how many Bins you would like and choose from a default set of colour styles (points to Bins)
- Users will be able to modify the Thresholds! (points to Allow Dashboard Users to Edit Thresholds)
- Override with your own custom colours (points to the Color column in the table)

Minimum	Label	Color
0 %	First Quartile	[Red]
25 %	Second Quartile	[Orange]
50 %	Third Quartile	[Yellow]
75 %	Fourth Quartile	[Green]
100 %		

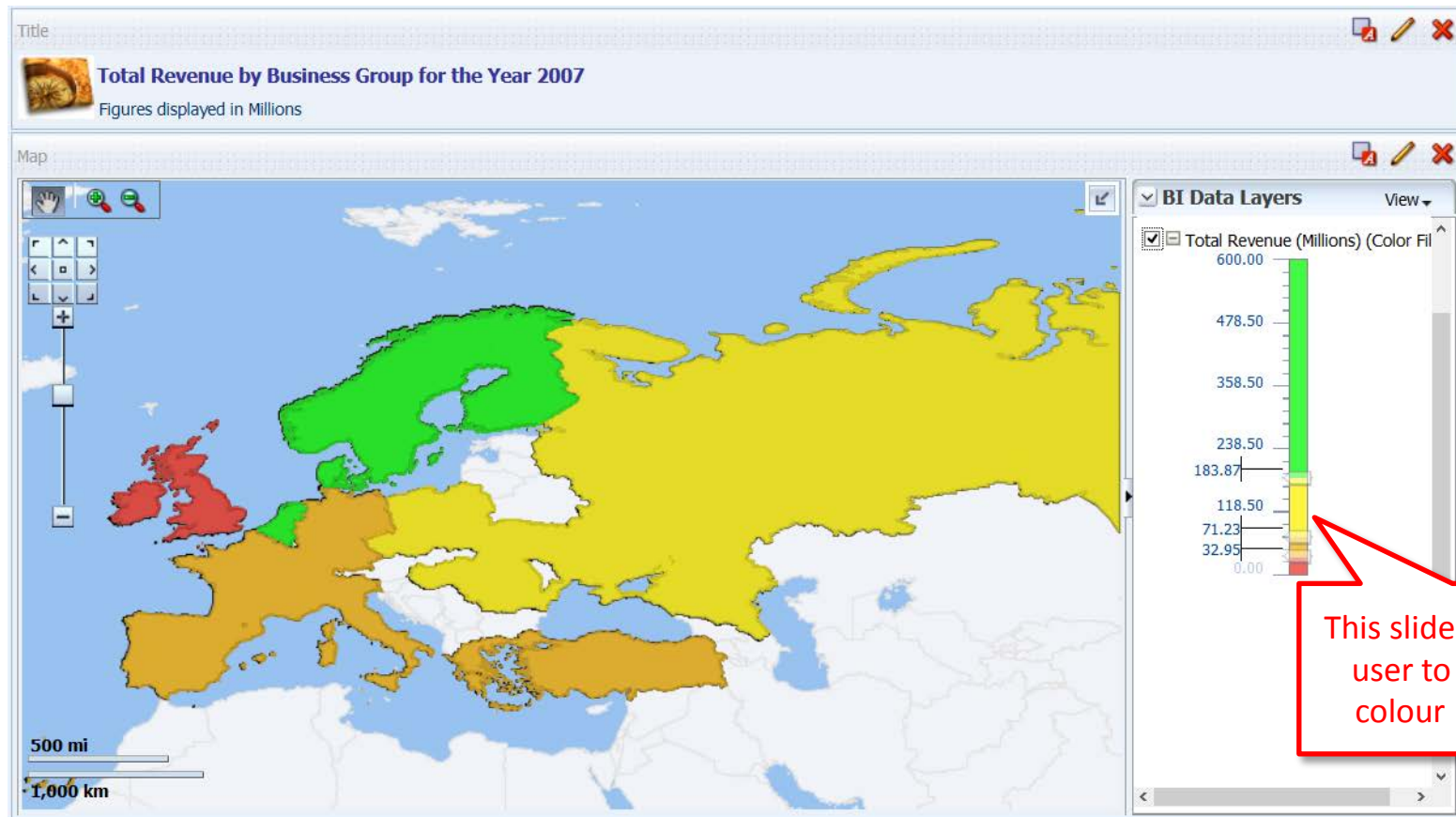
Transparency: 25 %

Buttons: OK, Cancel

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Configured Layer

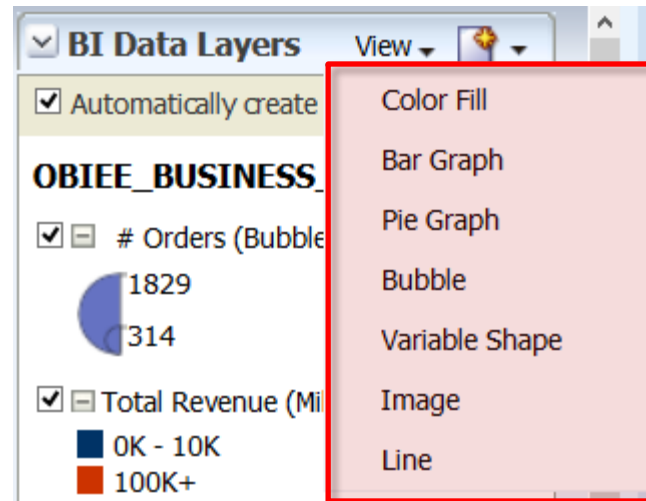
- And here is the map now that its layer has been configured!



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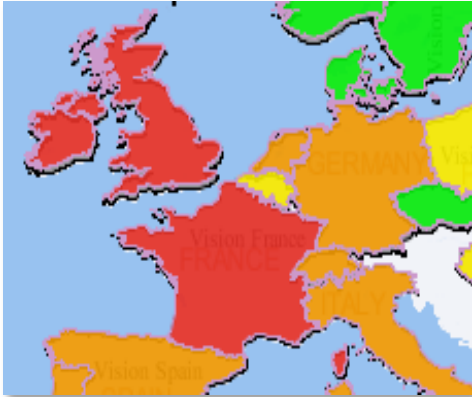
Adding Further Layers

- There are several different types of Layer you can add:

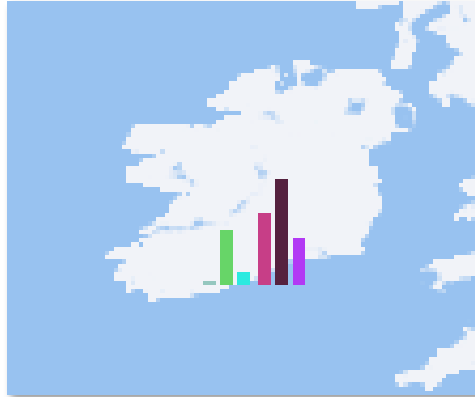


Embedded Maps

Adding Further Layers



Colour Fill



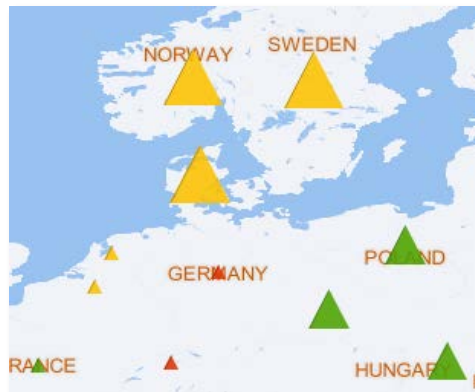
Bar Graph



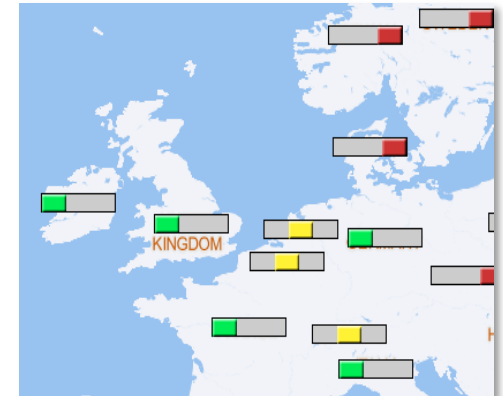
Pie Graph



Bubble



Variable Shape

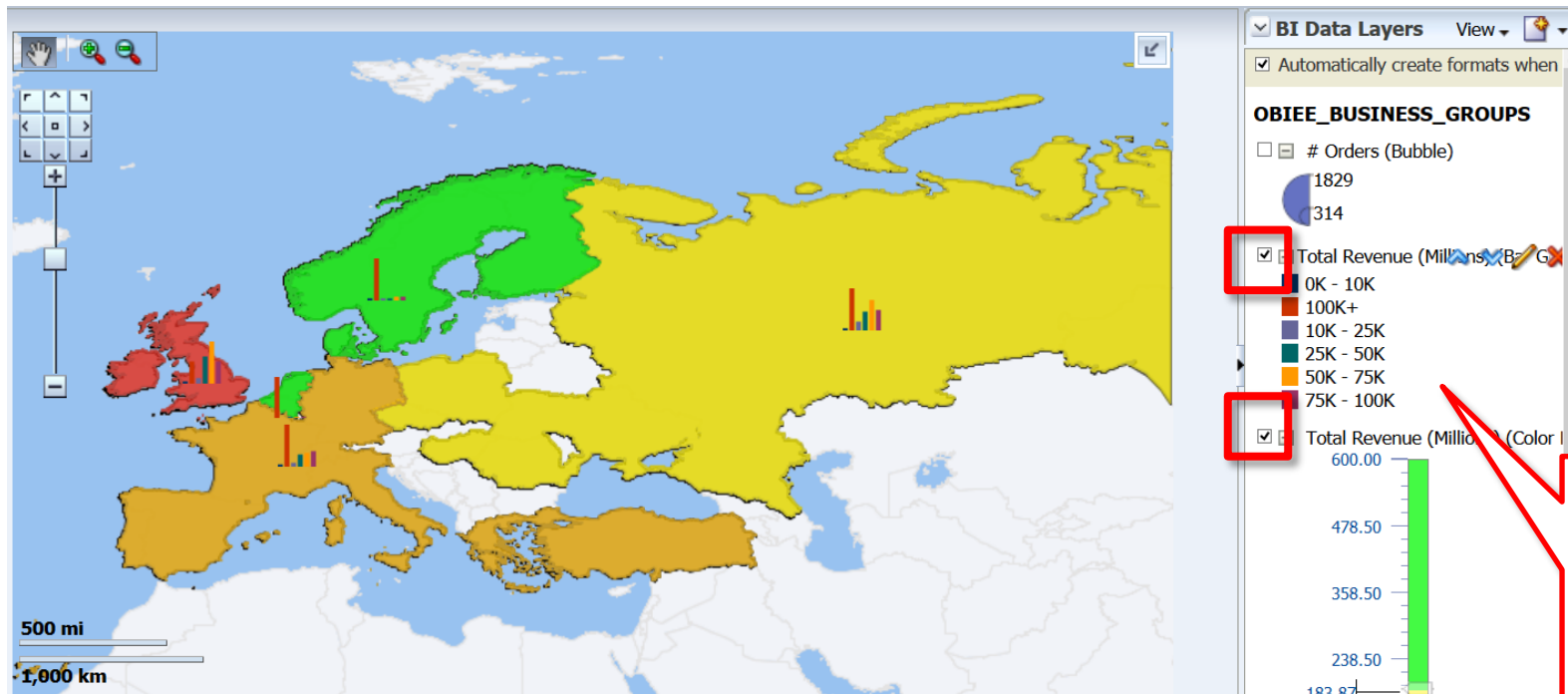


Image

Embedded Maps

Enabling/Disabling Layers

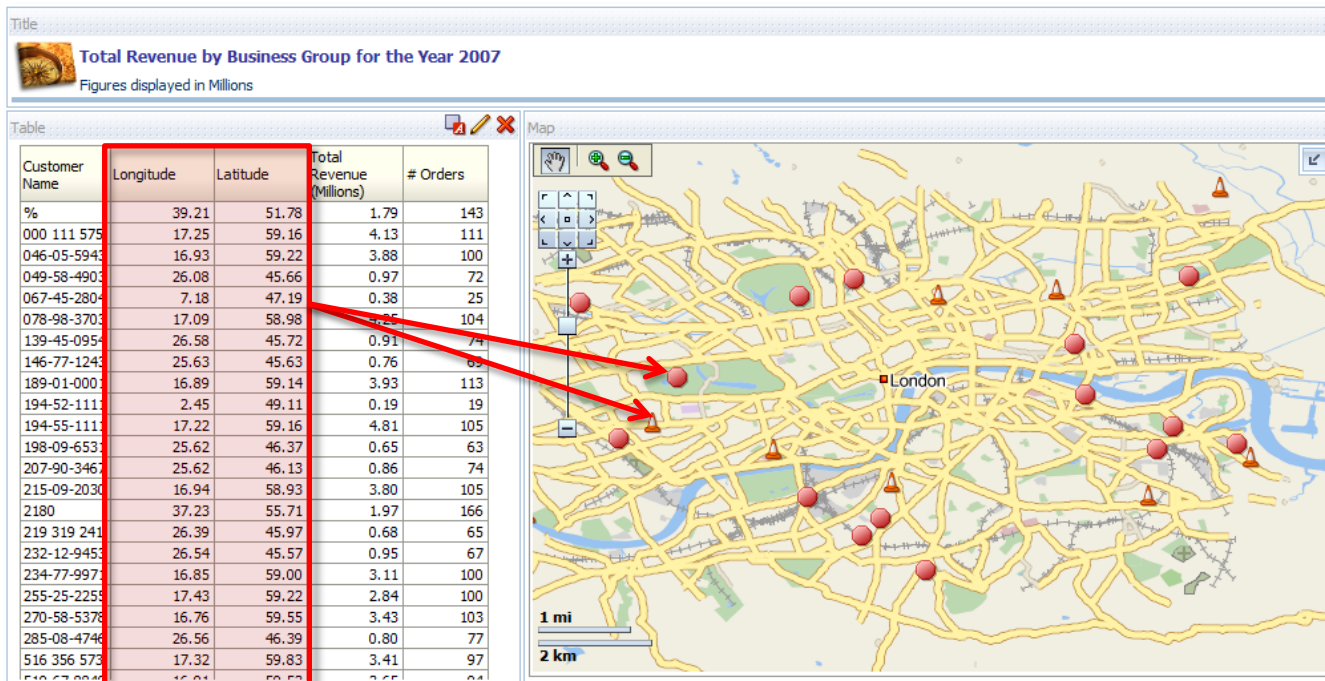
- The user can choose which layers to display on the map



Embedded Maps

Custom Point Layers

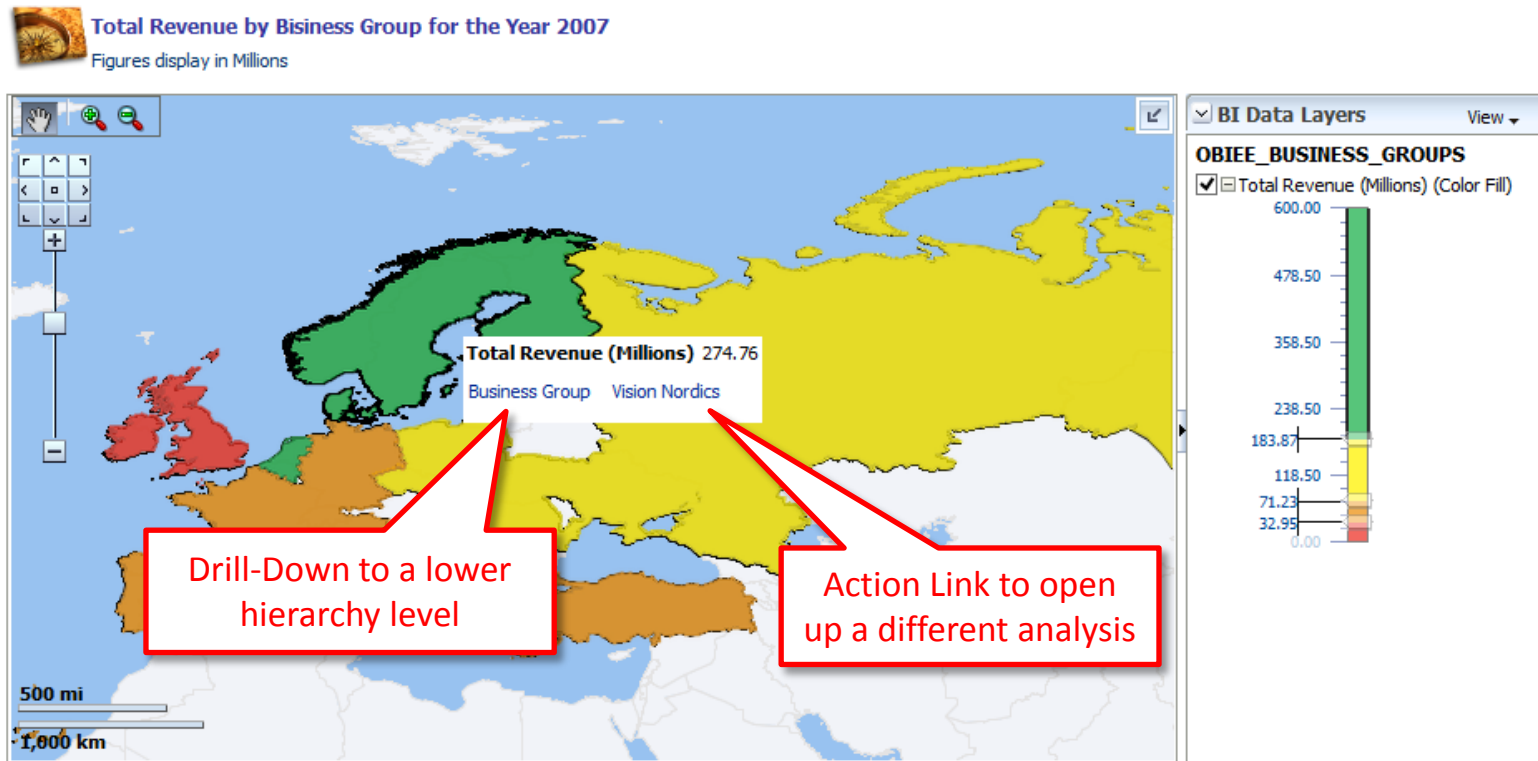
- “Custom Point Layers” are where the co-ordinates are taken from the Analysis itself
 - Mapping coordinates can come from any type of data source!
 - Longitude/Latitude co-ordinates can be provided in a single column or separate columns
 - Supported with Bubble, Variable Shape and Image layers



Embedded Maps

Interaction

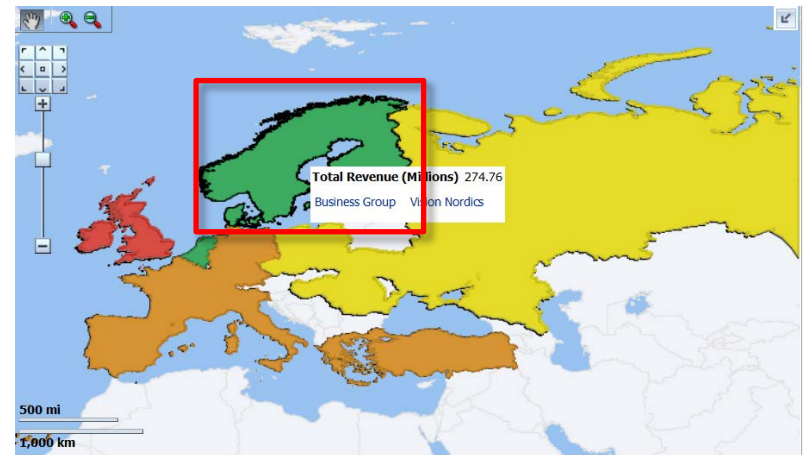
- It is possible to interact with Maps just like you can with other any other OBIEE chart
 - Just click on the area of interest



Embedded Maps

Interaction: Drill-Downs

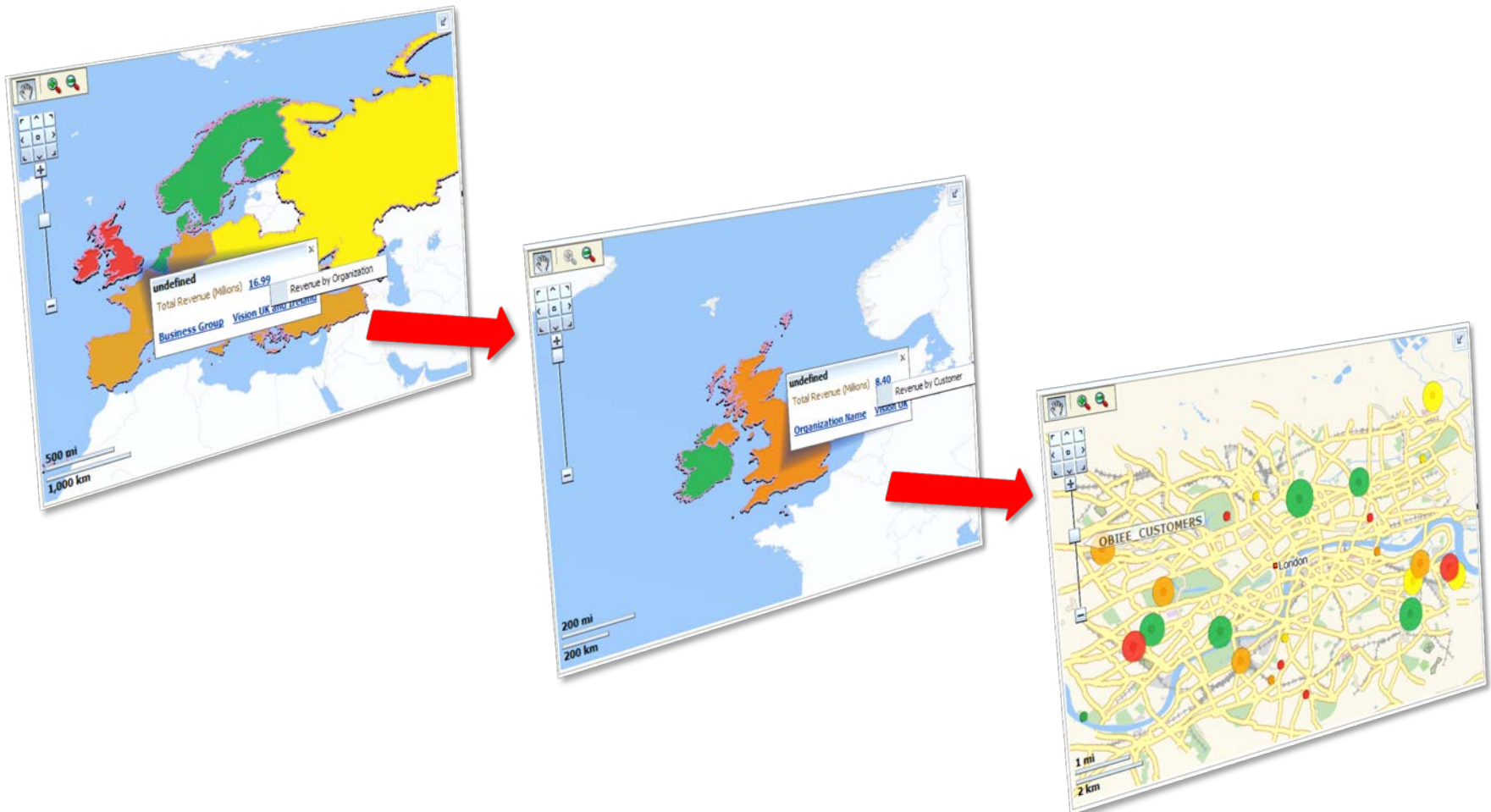
- Drill-downs work “out-of-the-box” on embedded maps just like they do on Tables, Pivot Tables and Graphs
- In this example, the user drilled-down on the “Vision Nordics” Business Group
 - The map automatically changed to show data by Organization for the “Vision Nordics” Business Group
- Note that the map zoomed in automatically!



Embedded Maps

Interaction: Action Links

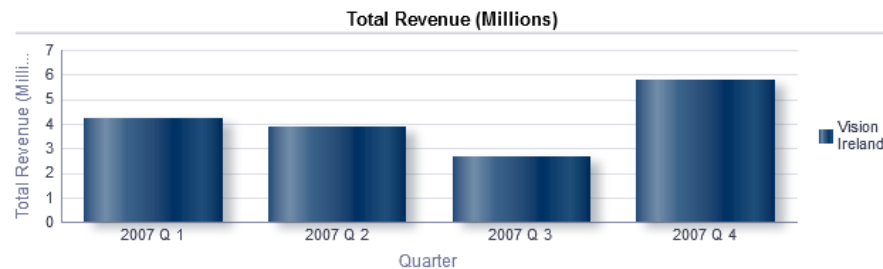
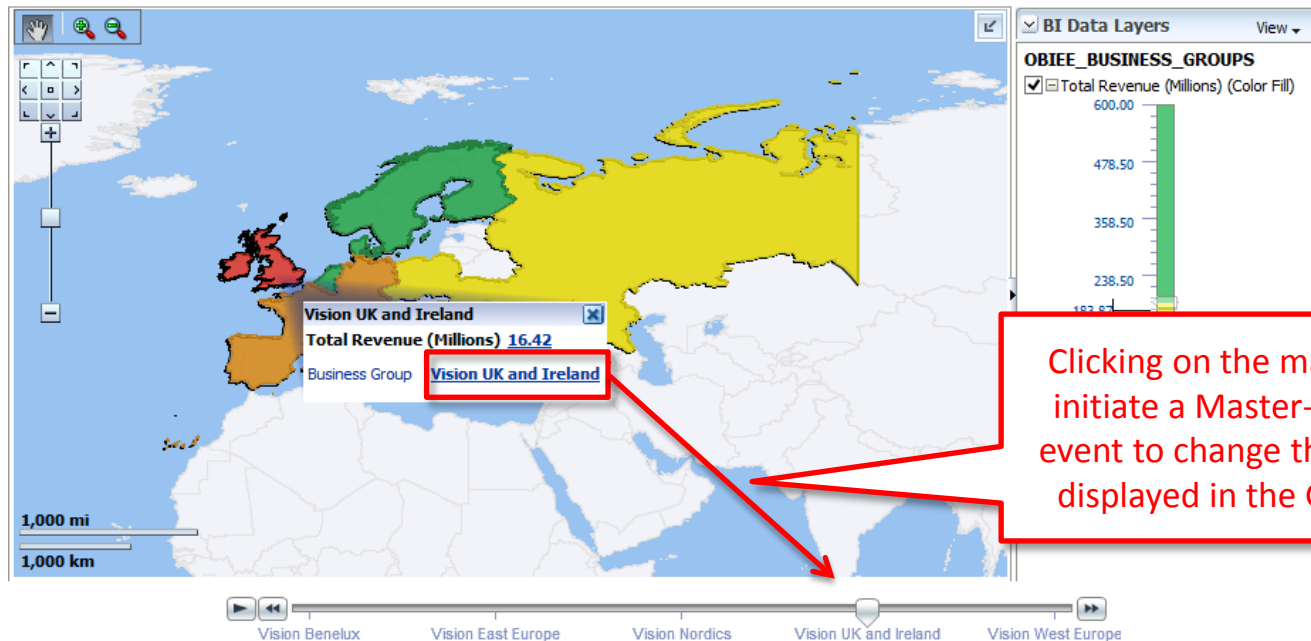
- Using Action Links, you can navigate from one Analysis or Dashboard Page to another:



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Interaction: Master-Detail Linking

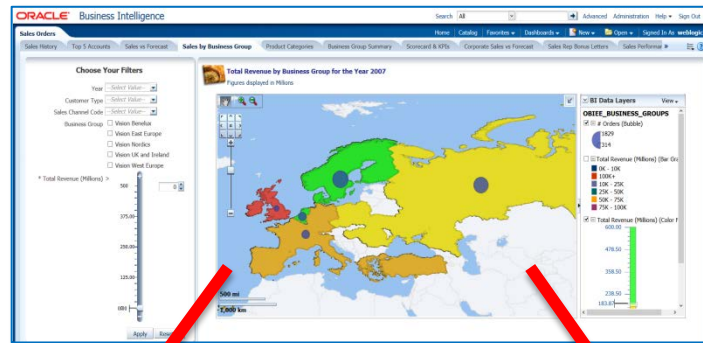
- Master-Detail linking works for maps as well!



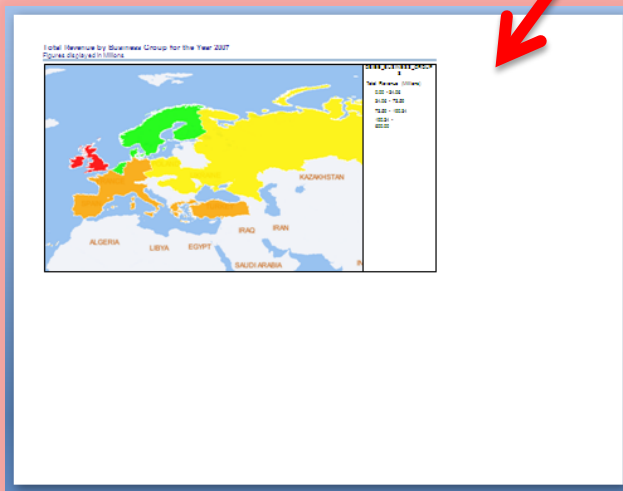
Embedded Maps

Printing and Downloading

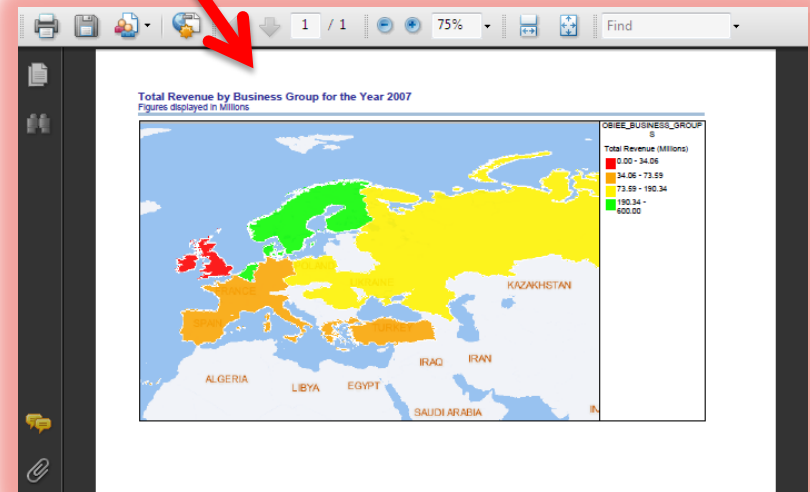
- Oracle BI supports the download and print options for maps:



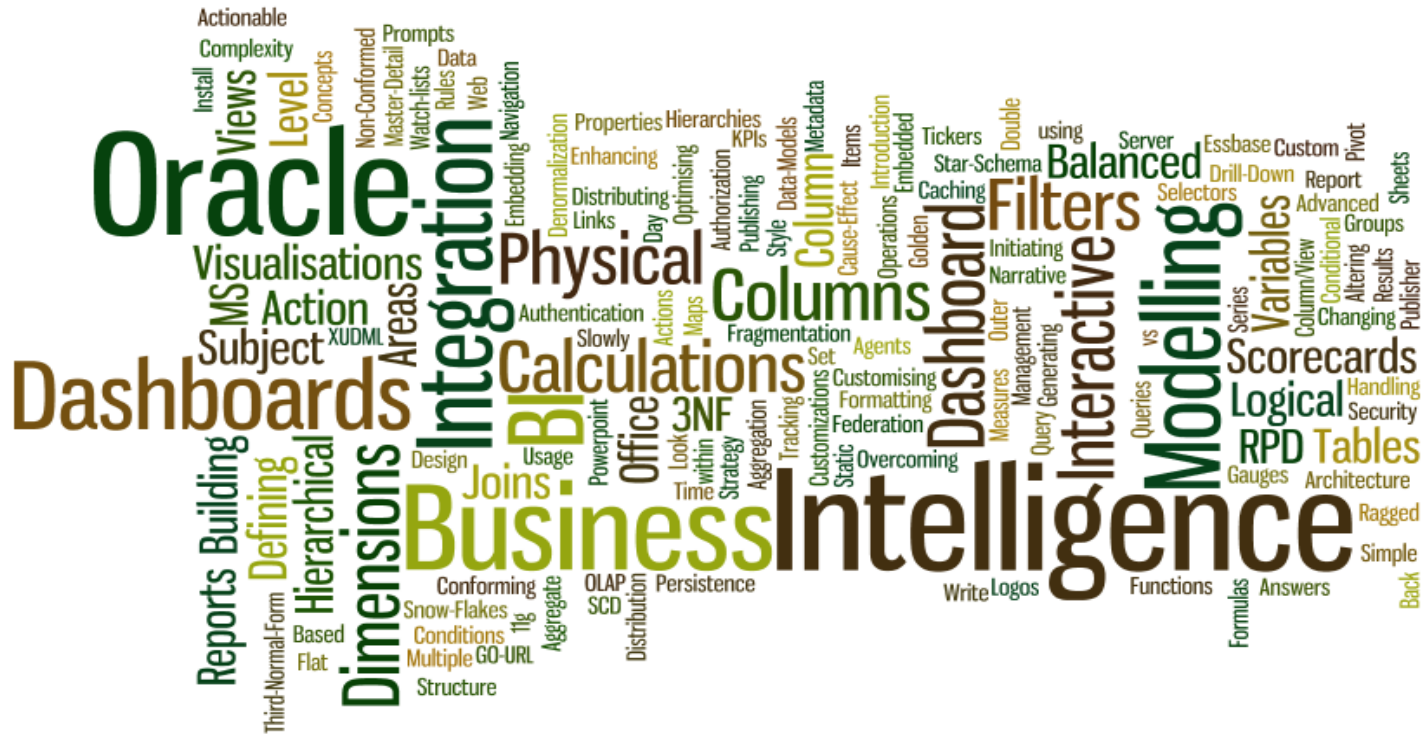
PowerPoint



PDF



Questions?



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Helping Your Business
Intelligence Journey