"Import af Mapinfo og ArcGIS filer i MicroStation"
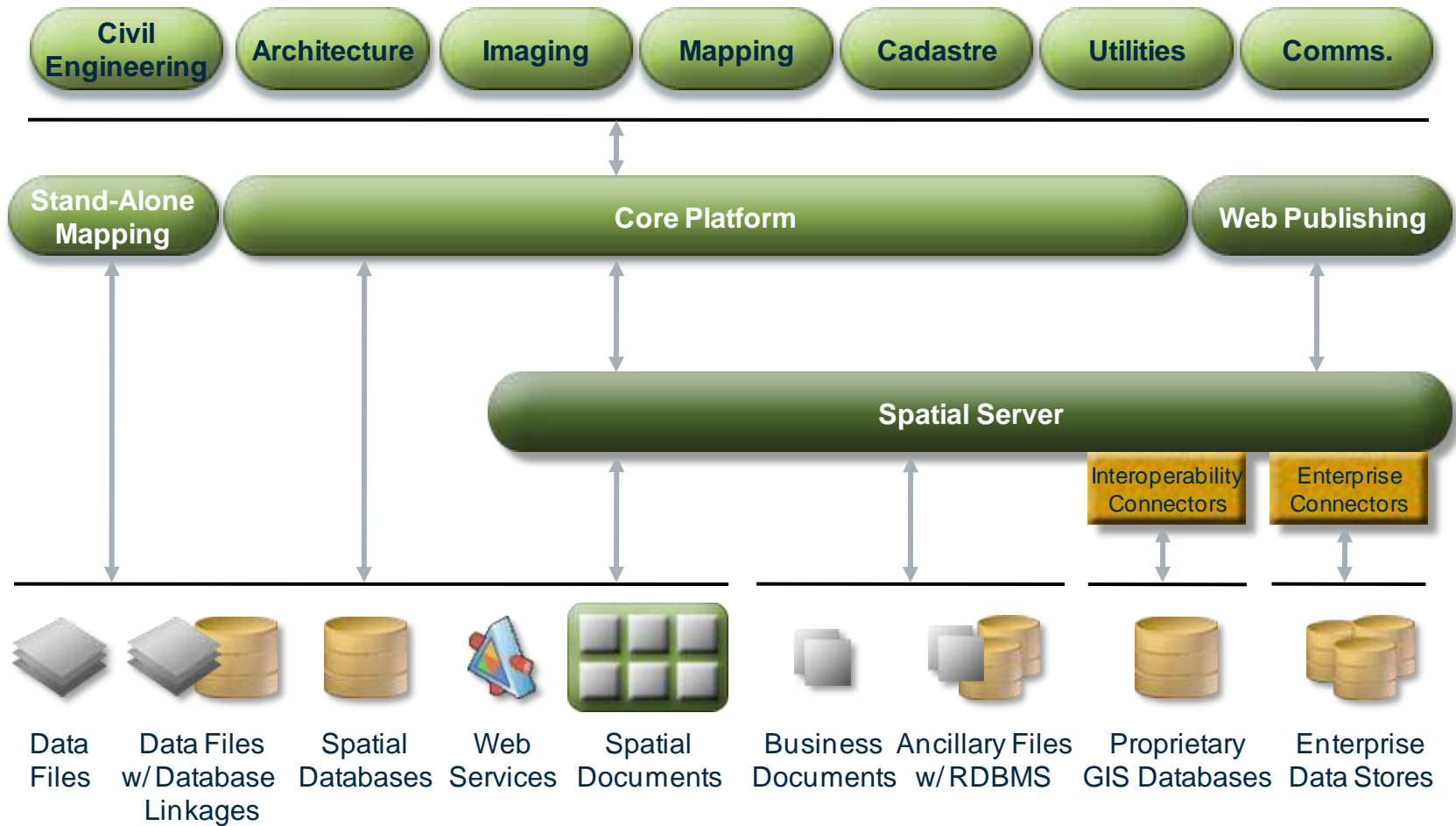
Gijsbert Noordam, Bentley

Vejle, 10 November 2007

The Bentley Geospatial Solution
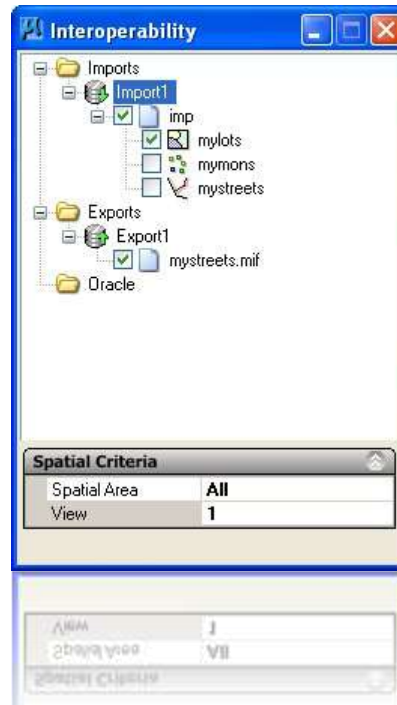
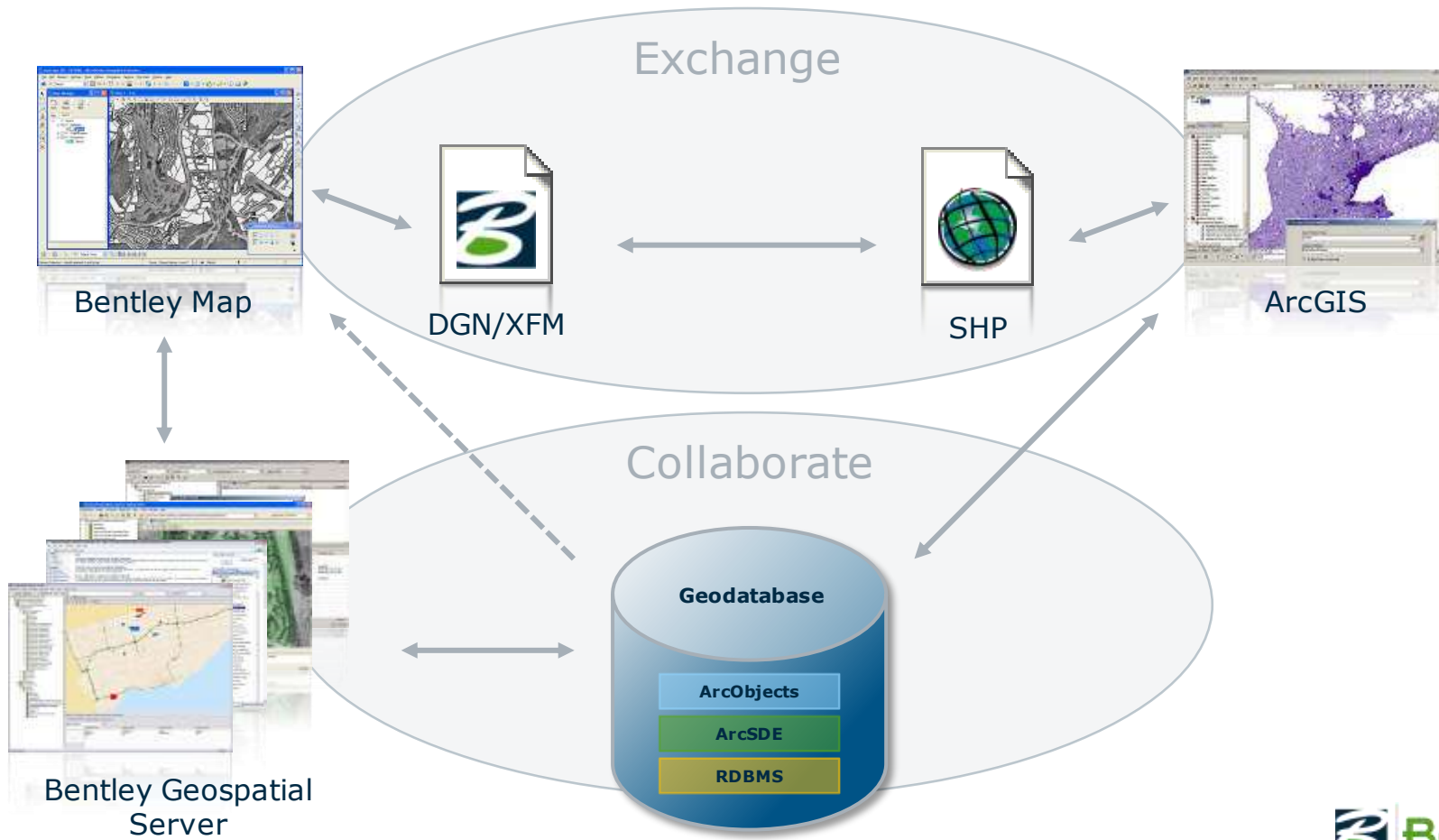# Bentley Map

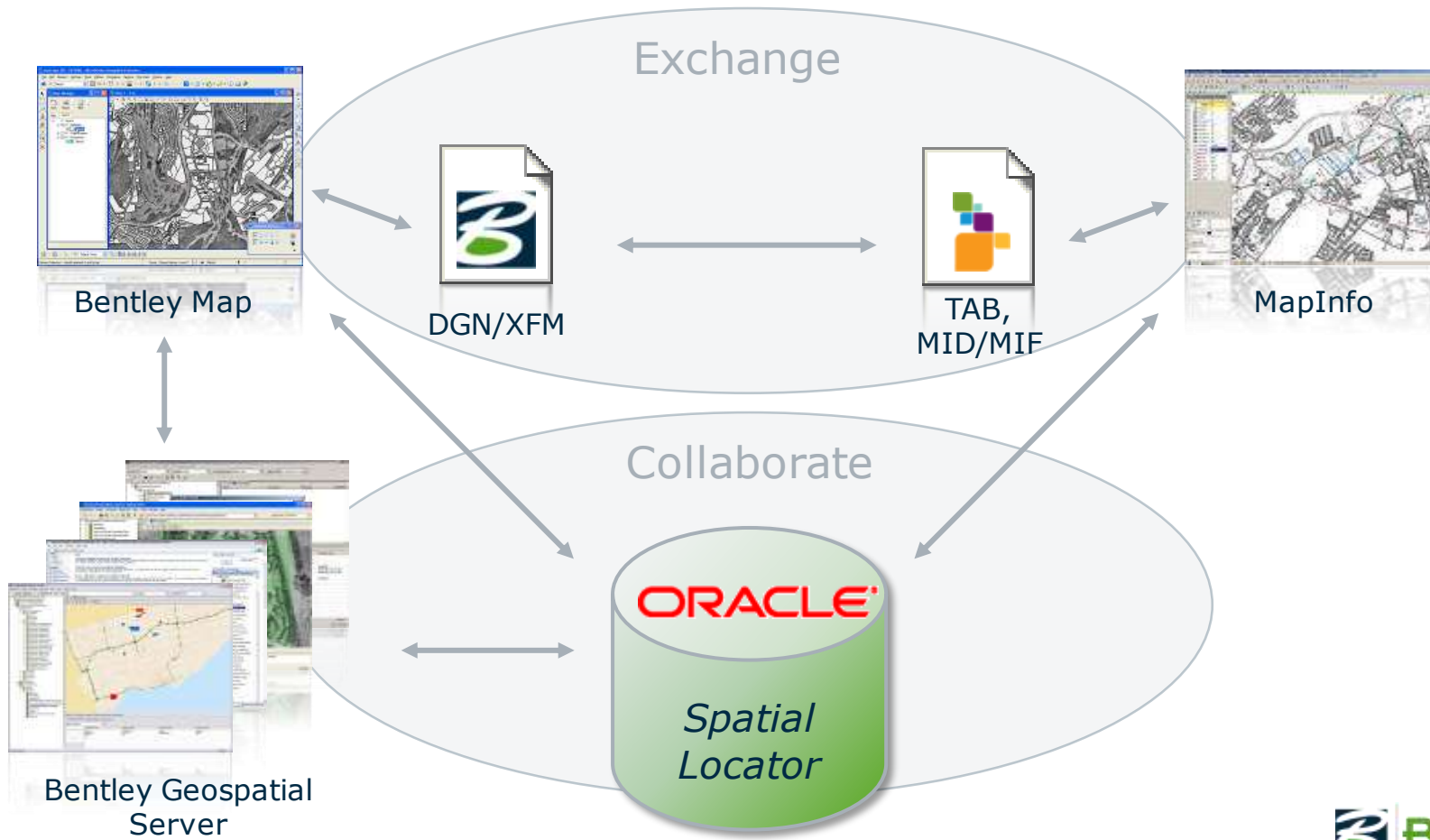| Pain	Feature	Advantage	Benefit
Absence of adequate graphical editing tools	MicroStation-based editing and drawing tools	**Comprehensive choice In editing options**	• Improve editing quality and productivity
Geospatial data lacks intelligence	Bentley Map XFM object modeling environment	**Ability to model and use geospatial objects**	• Increase the value and usefulness of data
Different systems can't share information	Bentley Map interoperability tools	**Easy exchange of geospatial data**	• Improve information sharing
Two environments for editing and analysis are needed	Bentley Map reporting and spatial analysis tools	**Editing and analysis in a single environment**	• Improve efficiency in combined editing and analysis workflows
Cumbersome management of raster and vector data	Bentley Map's map manager tool	**Easy 'mix and match' of various data sources**	• Have access to on-demand, sophisticated digital maps

3 Bentley®

Interoperability

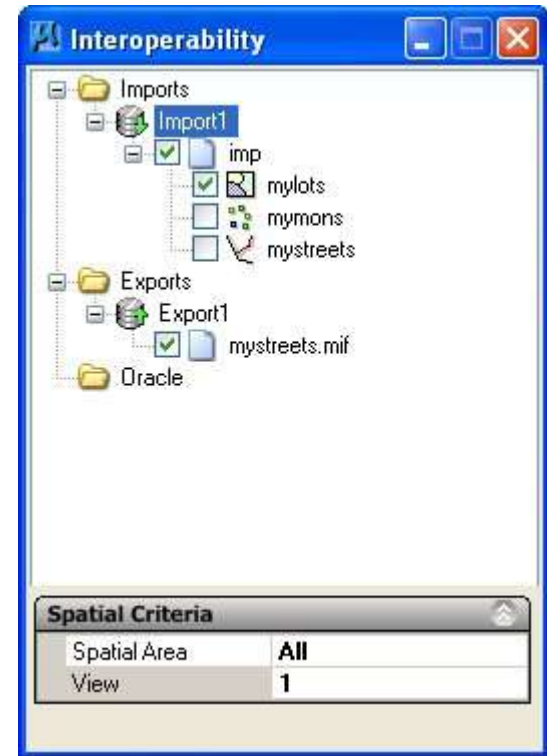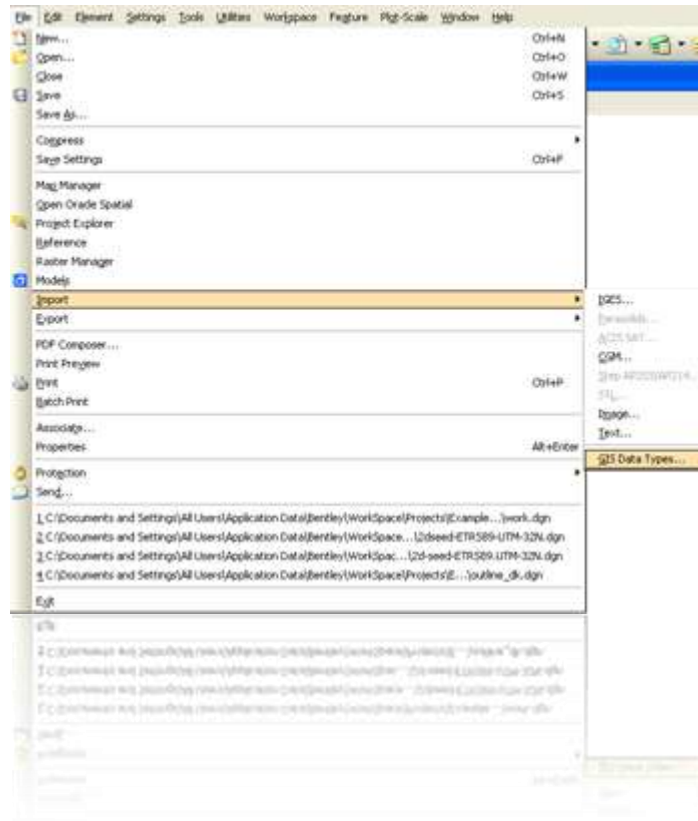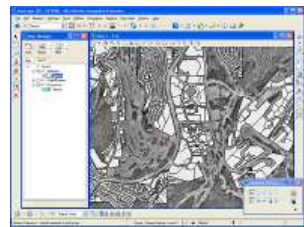| Pain	Feature	Advantage	Benefit
Different systems can't share information	Bentley Map interoperability tools	**Easy exchange of geospatial data**	• Improve information sharing

Bentley Map – ArcGIS interoperability

Exchange

Bentley Map — DGN/XFM — SHP — ArcGIS

Collaborate

Bentley Geospatial Server

Geodatabase

ArcObjects

ArcSDE

RDBMS

Bentley Map – MapInfo interoperability

Exchange

Bentley Map

DGN/XFM

TAB,
MID/MIF

MapInfo

Collaborate

ORACLE
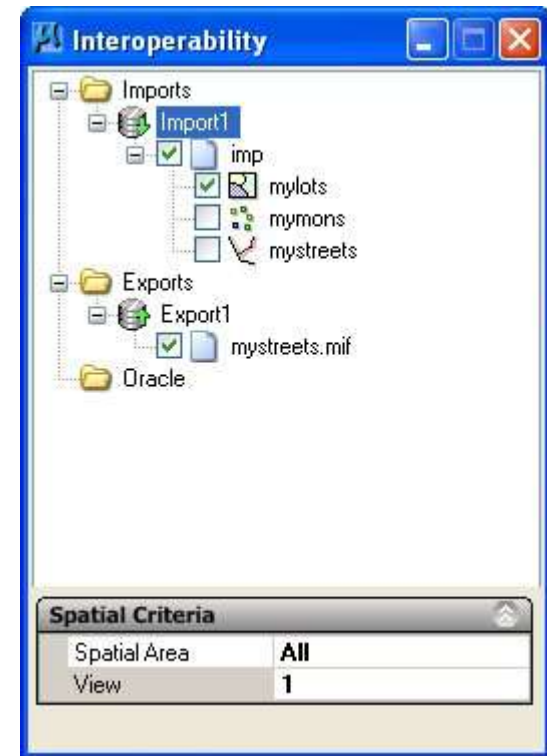
*Spatial
Locator*

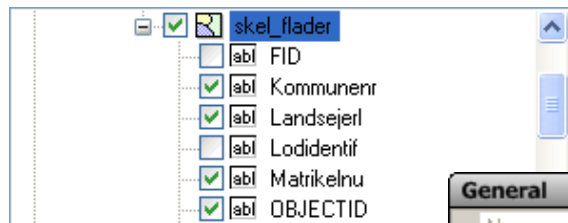Bentley Geospatial
Server

How does it work?

Importing GIS data – features

- Directly reference supported formats

- Import supported formats interactively
  - ESRI SHP, MapInfo MID/MIF and TAB, Oracle Spatial/Locator

- Save the import definitions as Import XML files

- Reference Import XML files

- Use Import XML files to load data

Import options

- Specify the area to import
  - Options: All, Fence, View

- Define feature settings
  - Feature name
  - Where Clause (sub-selection)

- Define "look-and-feel"

- Select, rename attributes

Exporting GIS data – features

- Export supported formats interactively
  - ESRI SHP, MapInfo MID/MIF and TAB, CSV files

- Save the export definitions as Export XML Files

- Use Export XML Files to unload data
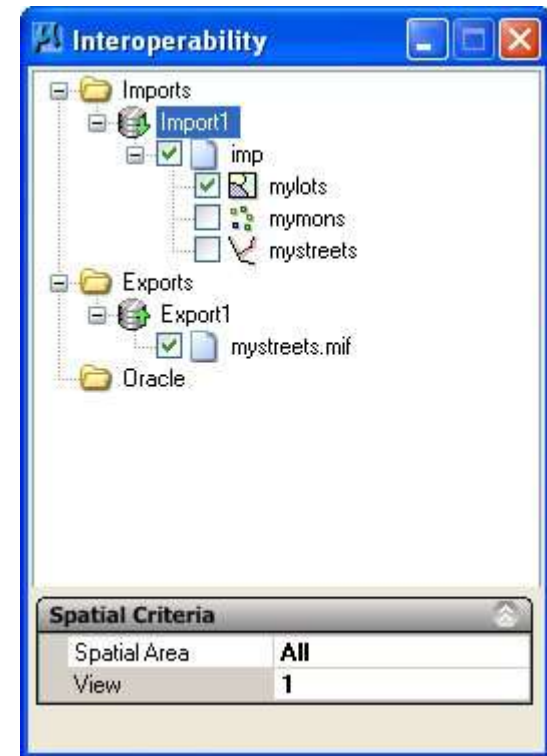
Export options

- Specify the area to export
  - Options: All, Fence, View

- Creation options
  - Overwrite output file
  - "Flatten" 3D data

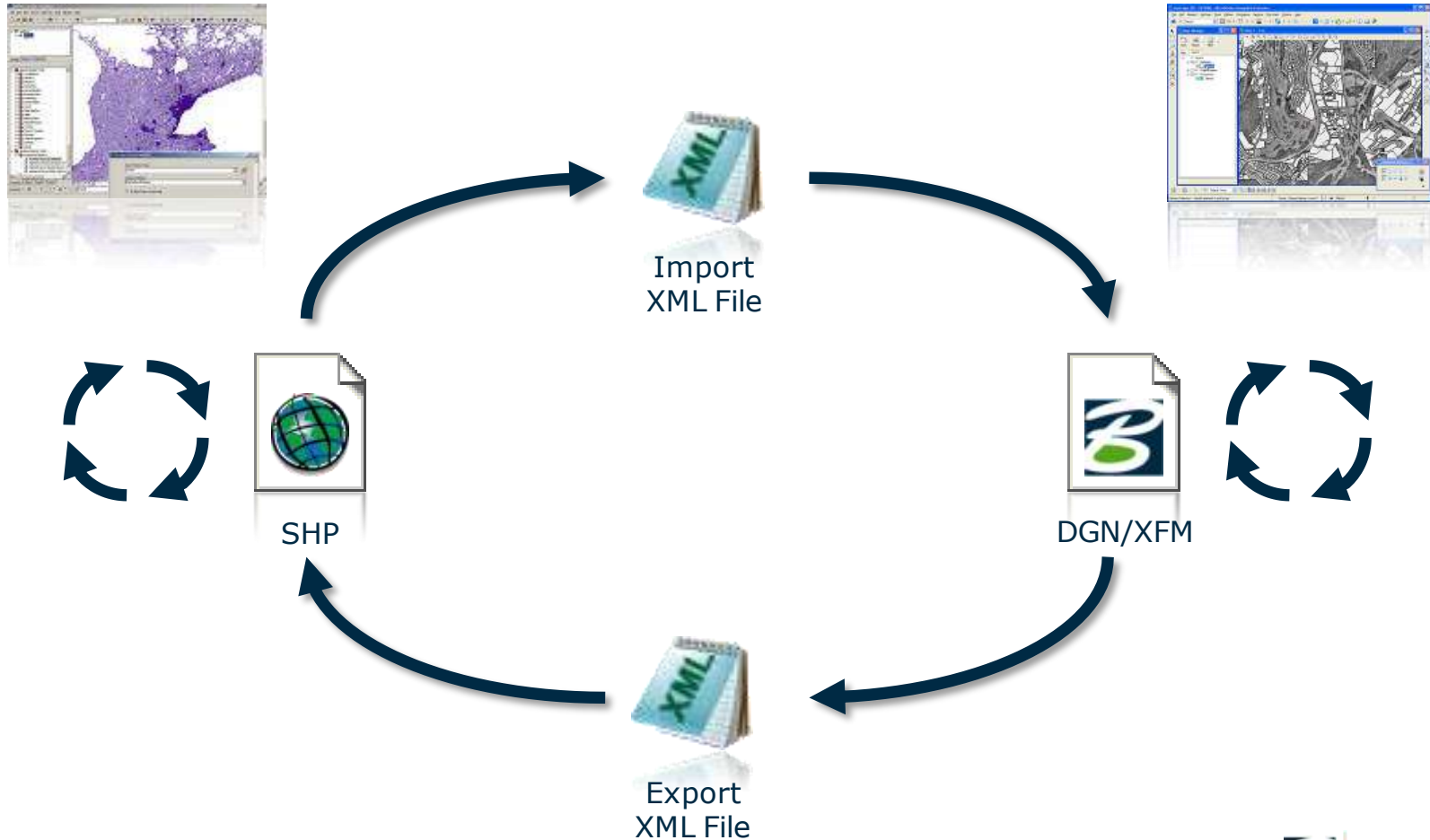- Where Clause (sub-selection)

- Select, rename attributes

Data exchange editing life-cycle

Import
XML File

SHP

DGN/XFM

Export
XML File

Bentley

Interoperability... in action
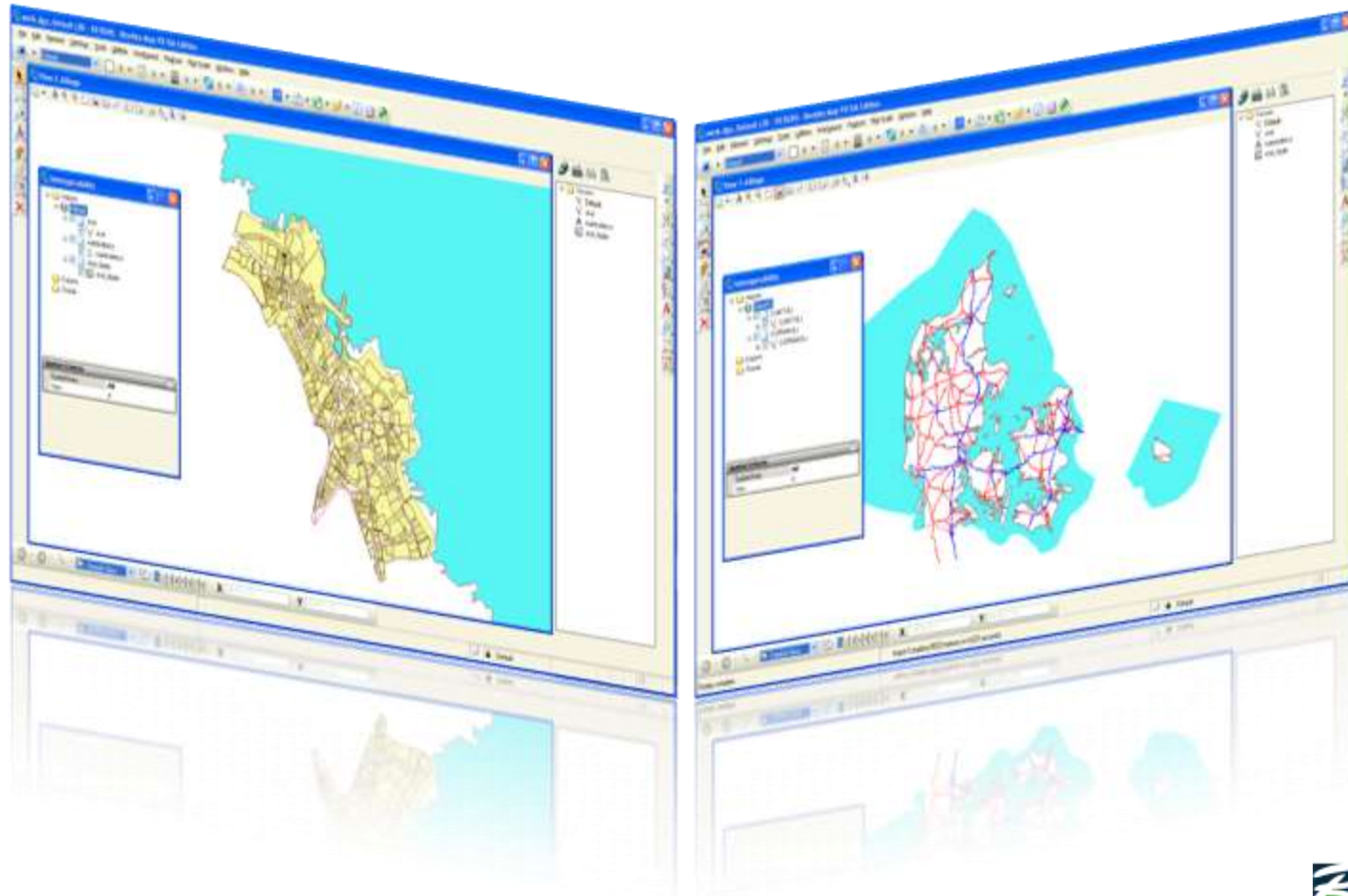
Questions?

question afhøre (fx witnesses), afhøre (fx witnesses), betvivle (fx witnesses), diskussion (fx witnesses), drage i tvivl (fx I do not question his motives), emne (fx I do not question his motives), pinligt forhør (glds), sag (glds), spørge (vb), spørge (vb), spørgsmål (sb), spørgsmål (sb), tortur (sb), tvivl (fx there is some question about his qualifications), tvivl (fx there is some question about his qualifications), udspørge (fx there is some question about his qualifications), undersøge (fx there is some question about his qualifications)