

**ESRI International User Conference
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Towards Pipeline Maintenance Monitoring: GRTgaz integrated GIS solution

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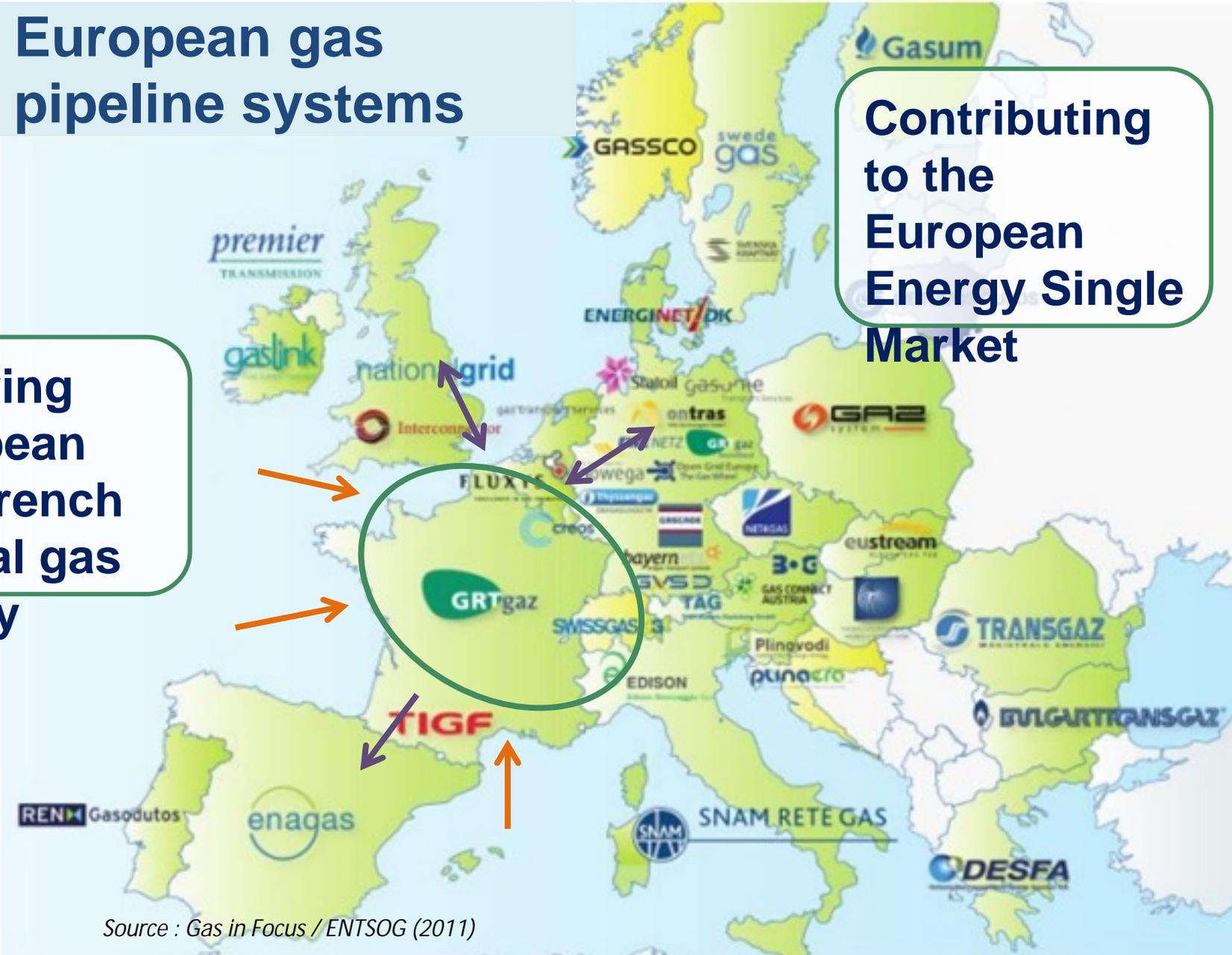




European gas pipeline systems

Contributing to the European Energy Single Market

Ensuring European and French natural gas supply



Source : Gas in Focus / ENTSOG (2011)

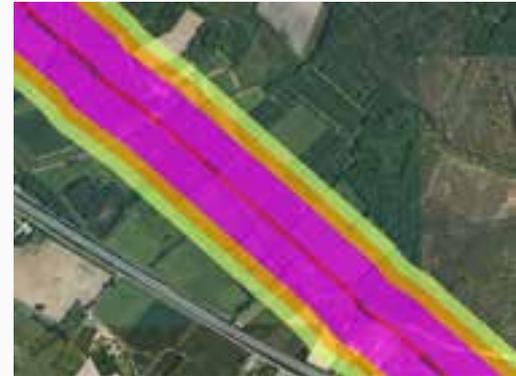


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- **32,000 km (20k miles)**
 - **~ 4,500 feed points**
 - **~ 100 shippers**
 - **637 TWh transported**
 - **1.6 billion €**





■ Building safer pipelines: a renewed, stricter law – 2006



■ Ensuring pipeline protection against indiscriminate contractor works





GIS data
shalt thou
provide!

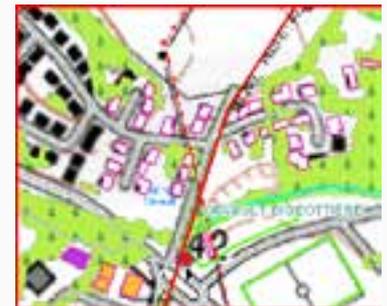
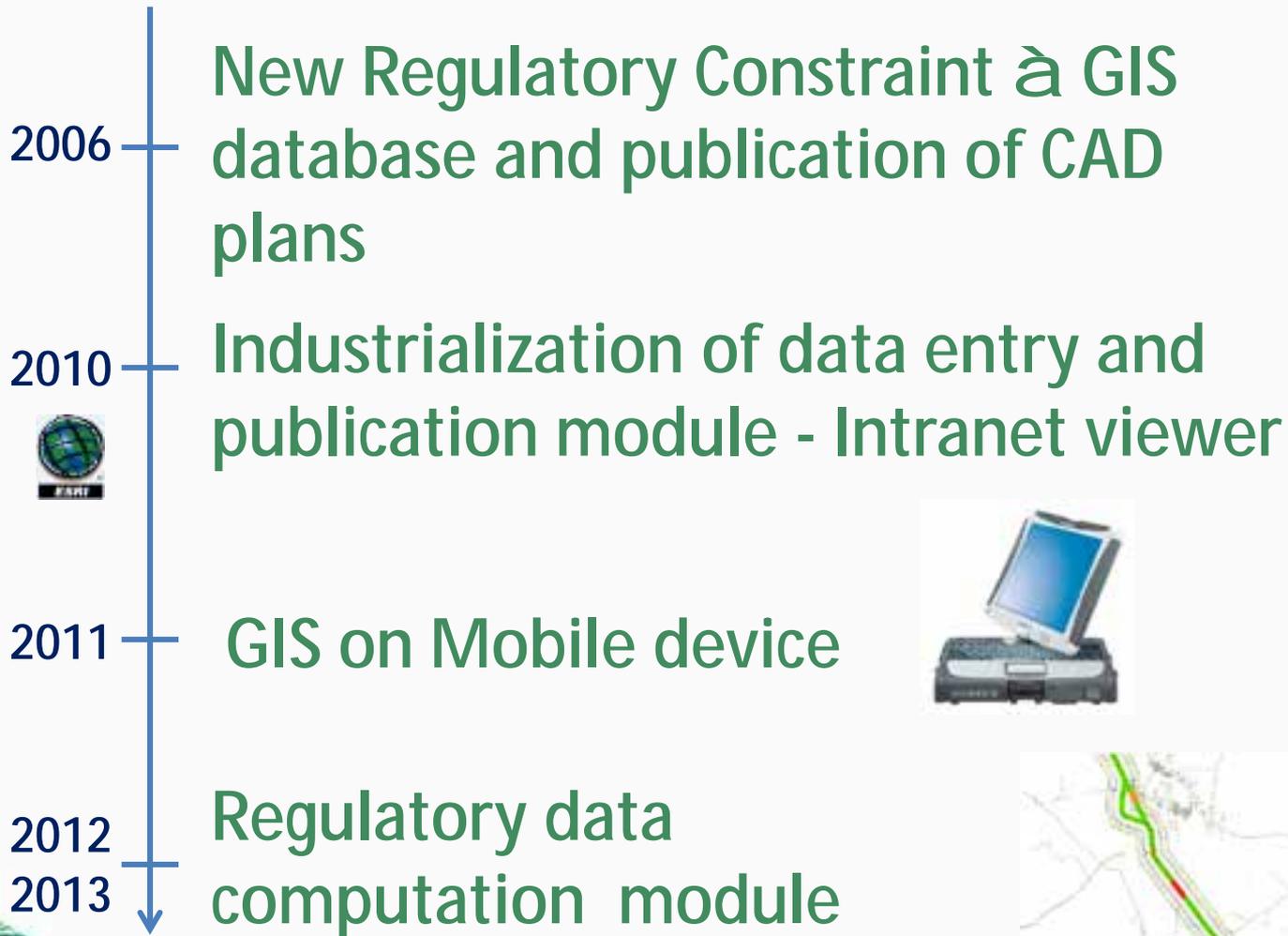


But my IT system's old!
It's (almost) my own invention!

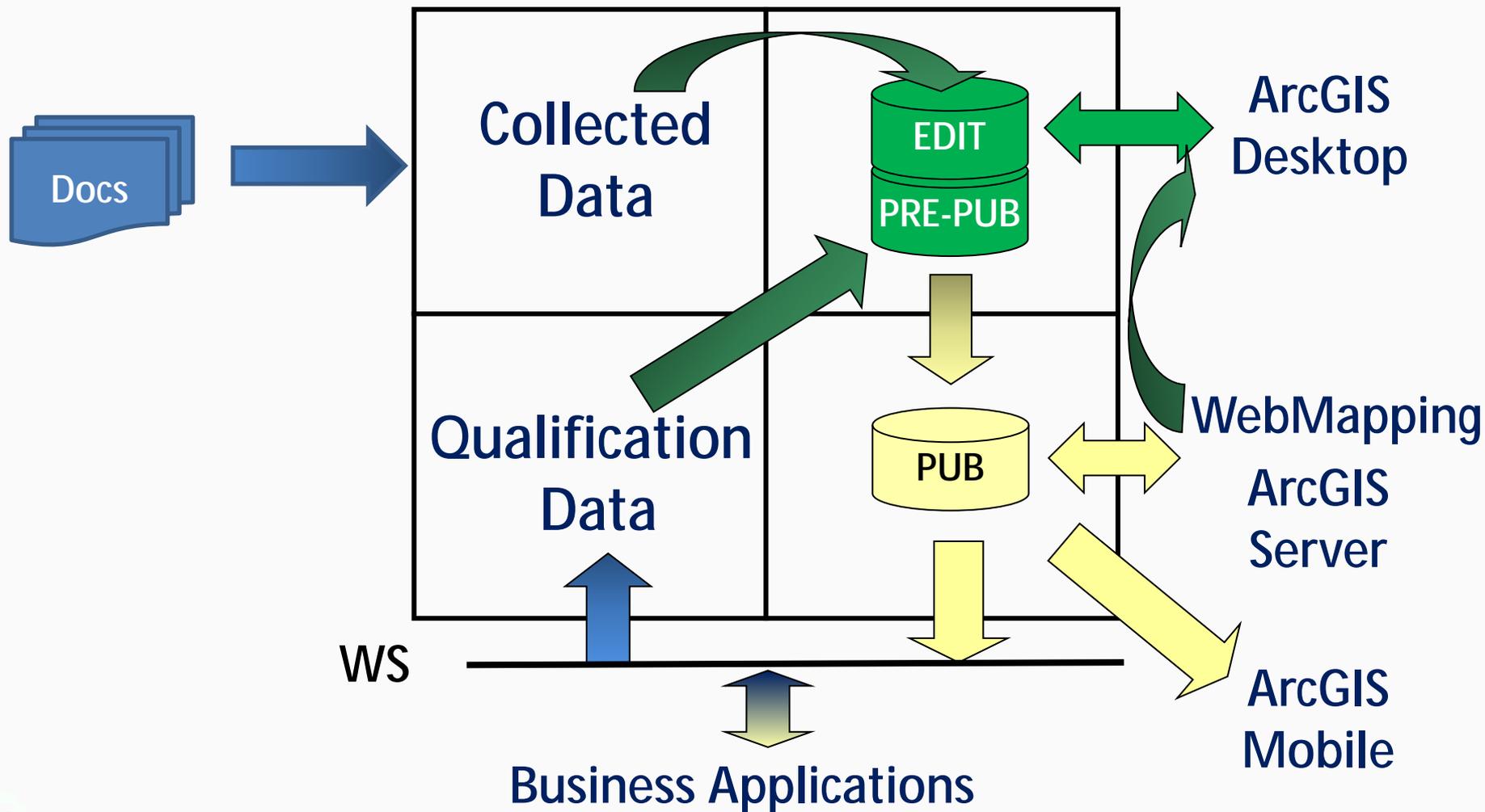


Entering the
tulgey wood



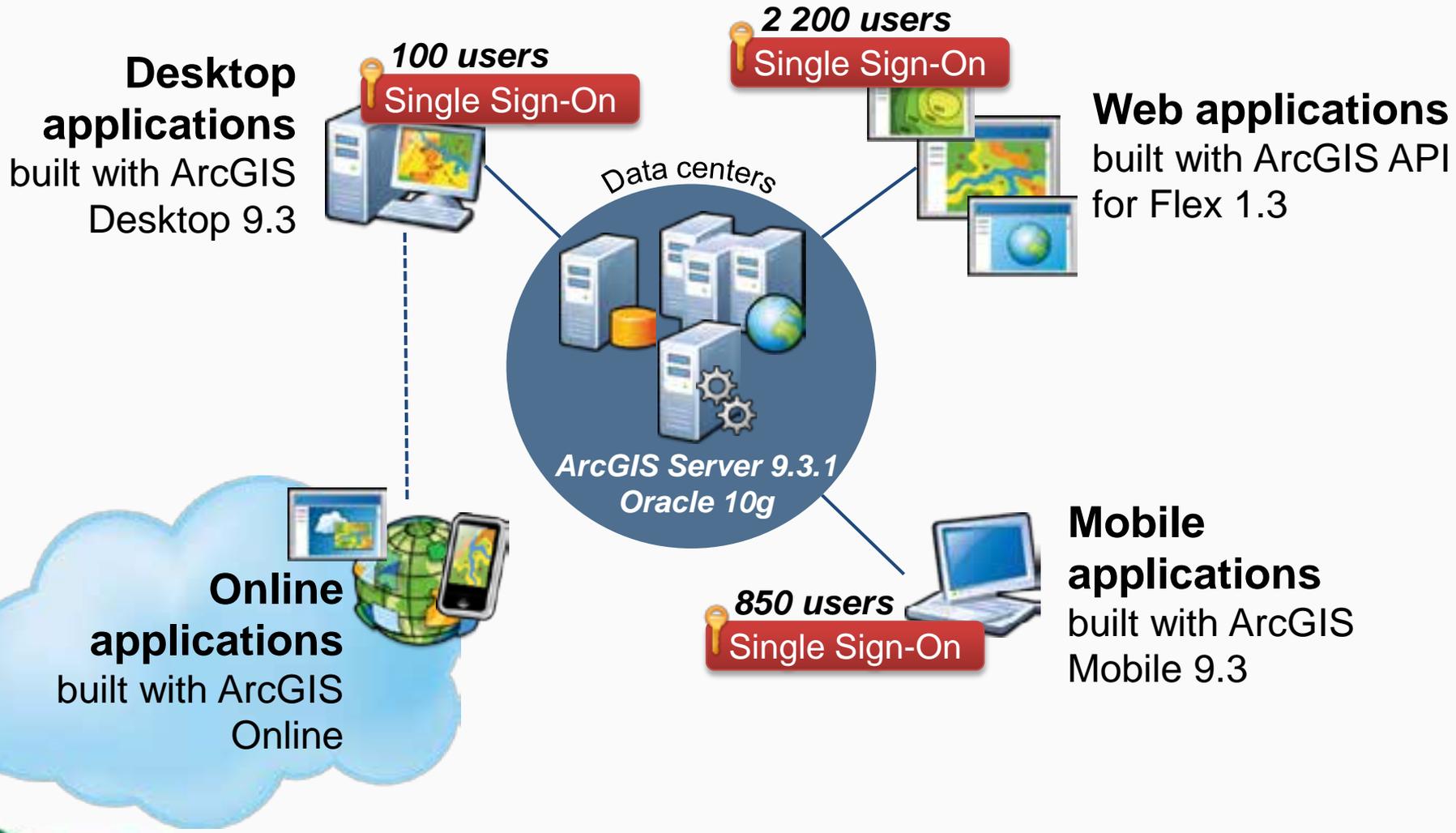


Managing and publishing reference data



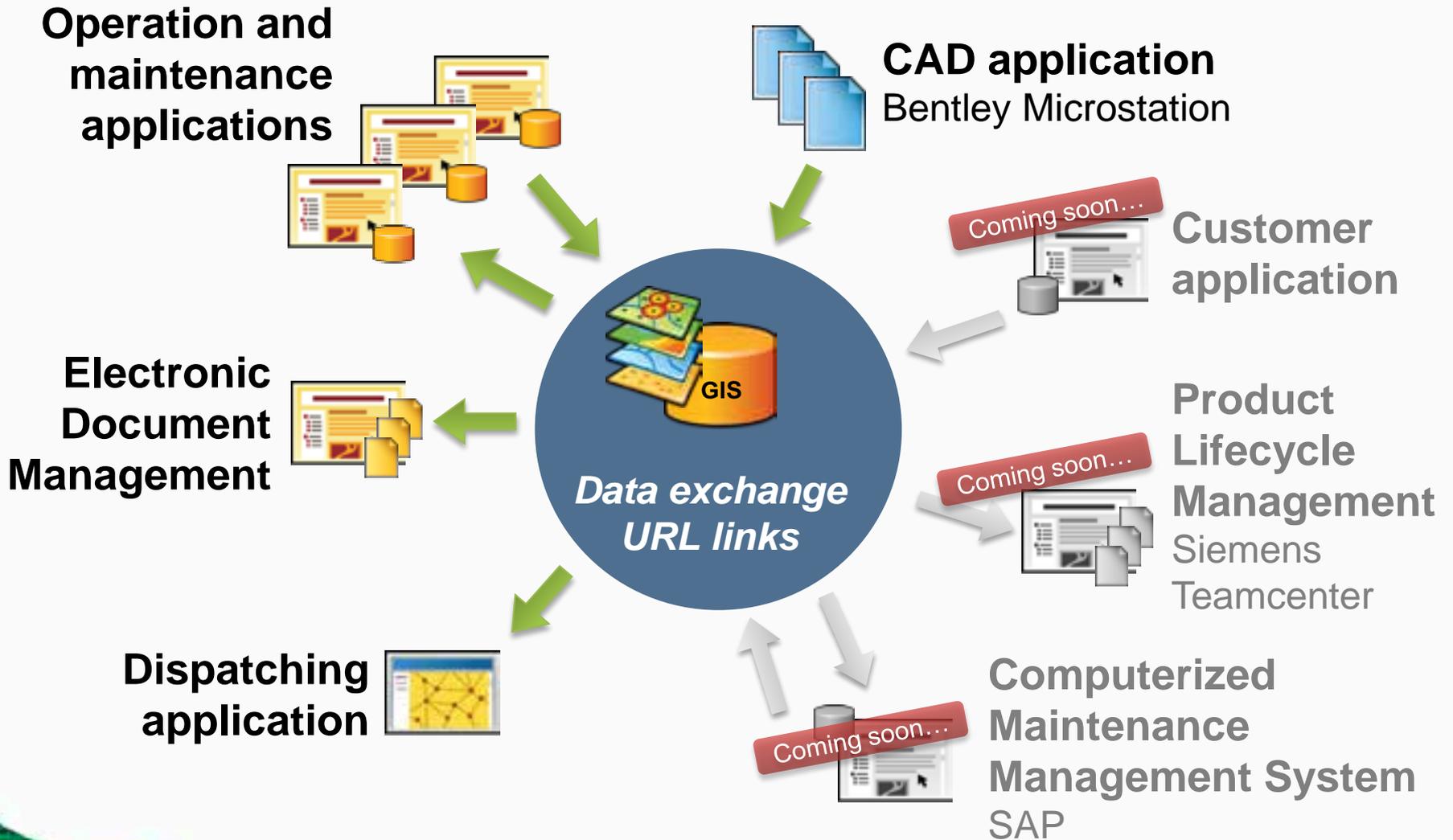


A GIS infrastructure built with ArcGIS solutions





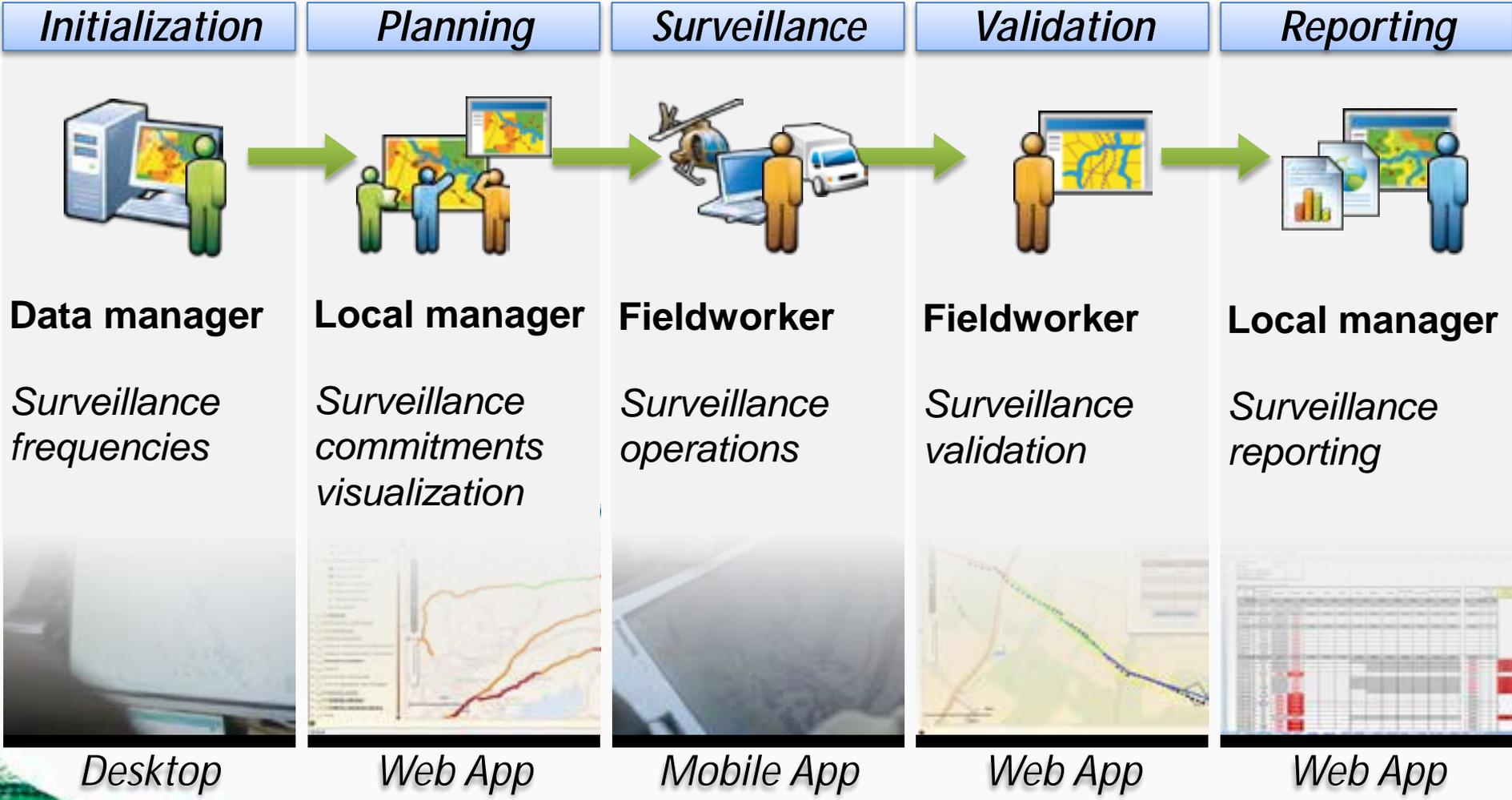
A GIS integrated in IT system





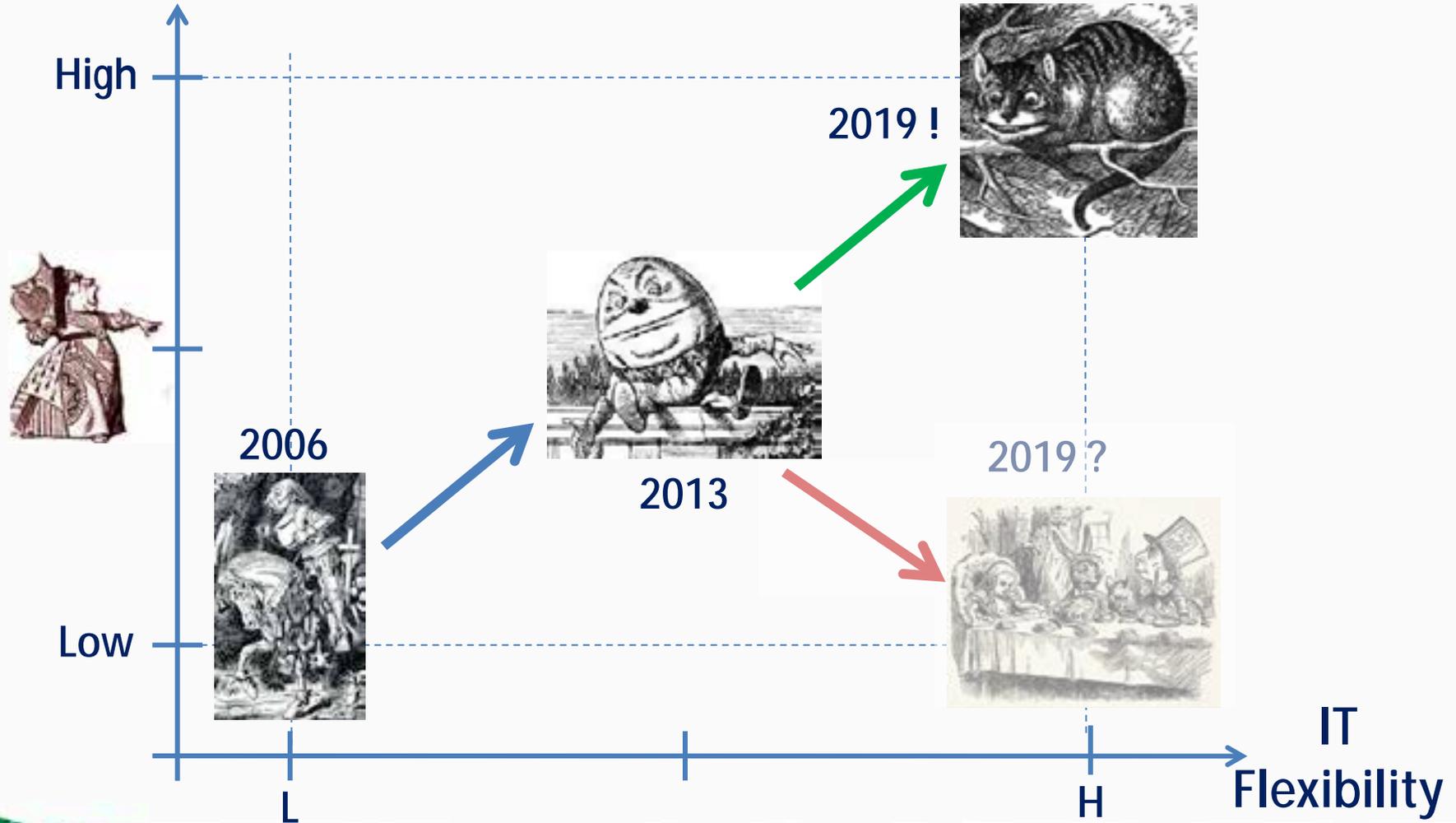
A GIS integrated in business processes

An example with pipeline surveillance





Data Management



Thanks for attending!

Do you have any questions?

