



Implementing INSPIRE Utility Networks in the Netherlands

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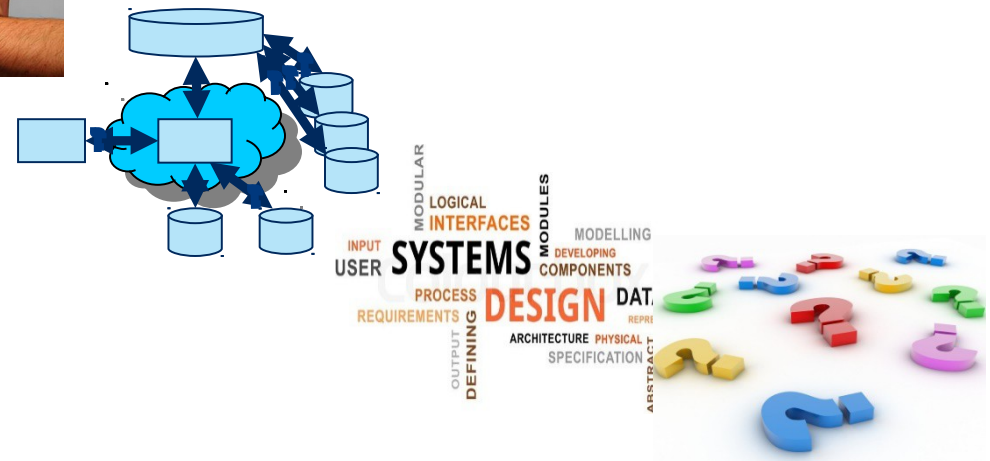
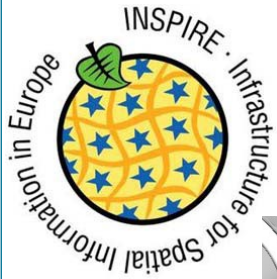
INSPIRE & Geospatial World Forum 2015 - Lisbon

The Dutch Cadastre - Advisor product- en procesinnovatie

kadaster

feitelijk verrassend

Topics



Dutch network operators and INSPIRE



- EC-guideline 2007
- Implementation Act
- About 700 network operators are obligatory
- Deadline 1: 3/12/2013
 - Metadata op NGR
 - WMS/WFS met data as is
 - Meeting QoS
- Deadline 2: october 2020
 - Harmonized data

Strategic goals Dutch excavation industry



1. Lesser excavation damages
2. More efficient excavation process
3. Share information about utility networks in other domains

User demands:

- Ubiquitous
- Analizable
- Interoperable
- + More area information
- + Filing system

Meet INSPIRE obligations by adjusting KLIC



KLIC-WIN (**W**ion+**I**Nspire)

- Letter of Intent (2013)
- Major choices (2014)
 - Scope (MoSCoW)
 - Hybrid model
 - Business architectuur
 - Synergie with Riskmap
 - legal context
 - Information model
- Design (2015)
- Build & implement (2017e)

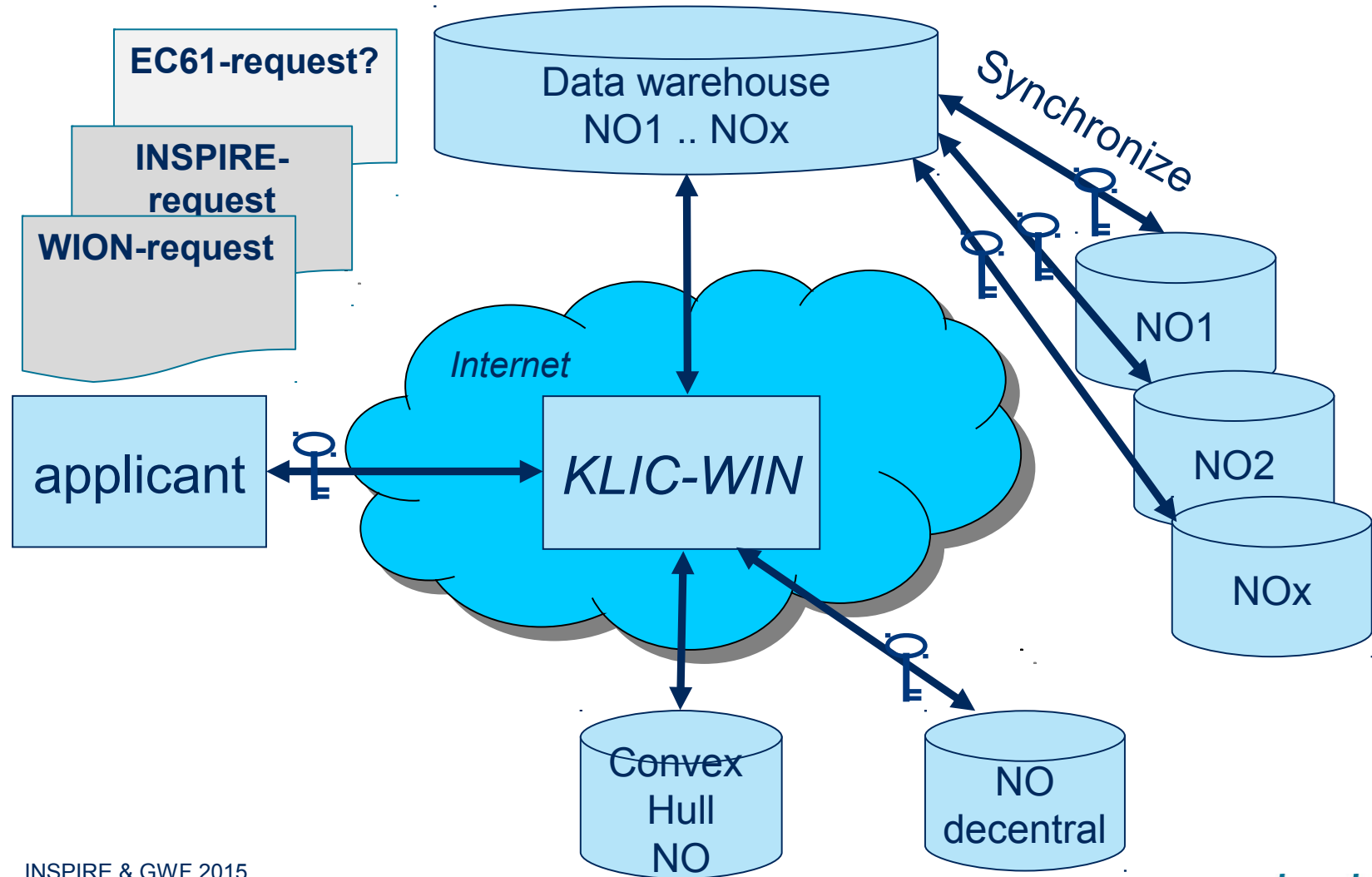
Scope KLIC-WIN: Must have (MoSCoW)

- Meet the requirements of INSPIRE UN
- Modernization of the WION-process
- National Information Model Cables and Pipelines (IMKL2015)
- Collective portal for network information.
- Achieve synergy between several actual systems (e.g. risk registry pipelines with dangerous content)

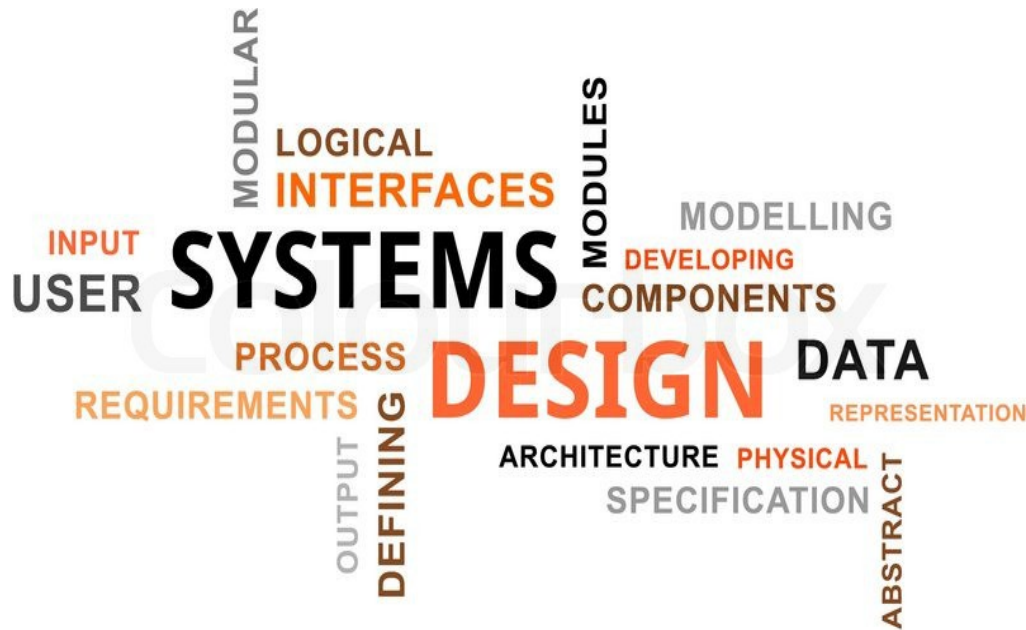
Scope KLIC-WIN: Should have (MoS^{CoW})

- Integrated process to report false registration of cables and pipes
- Integrate information of planned civil works,
- A filing system of the reported excavations,
- Combine network information with other area information,
- Publish 3D information (directional drilling).

KLIC-WIN – conceptual model (hybrid)

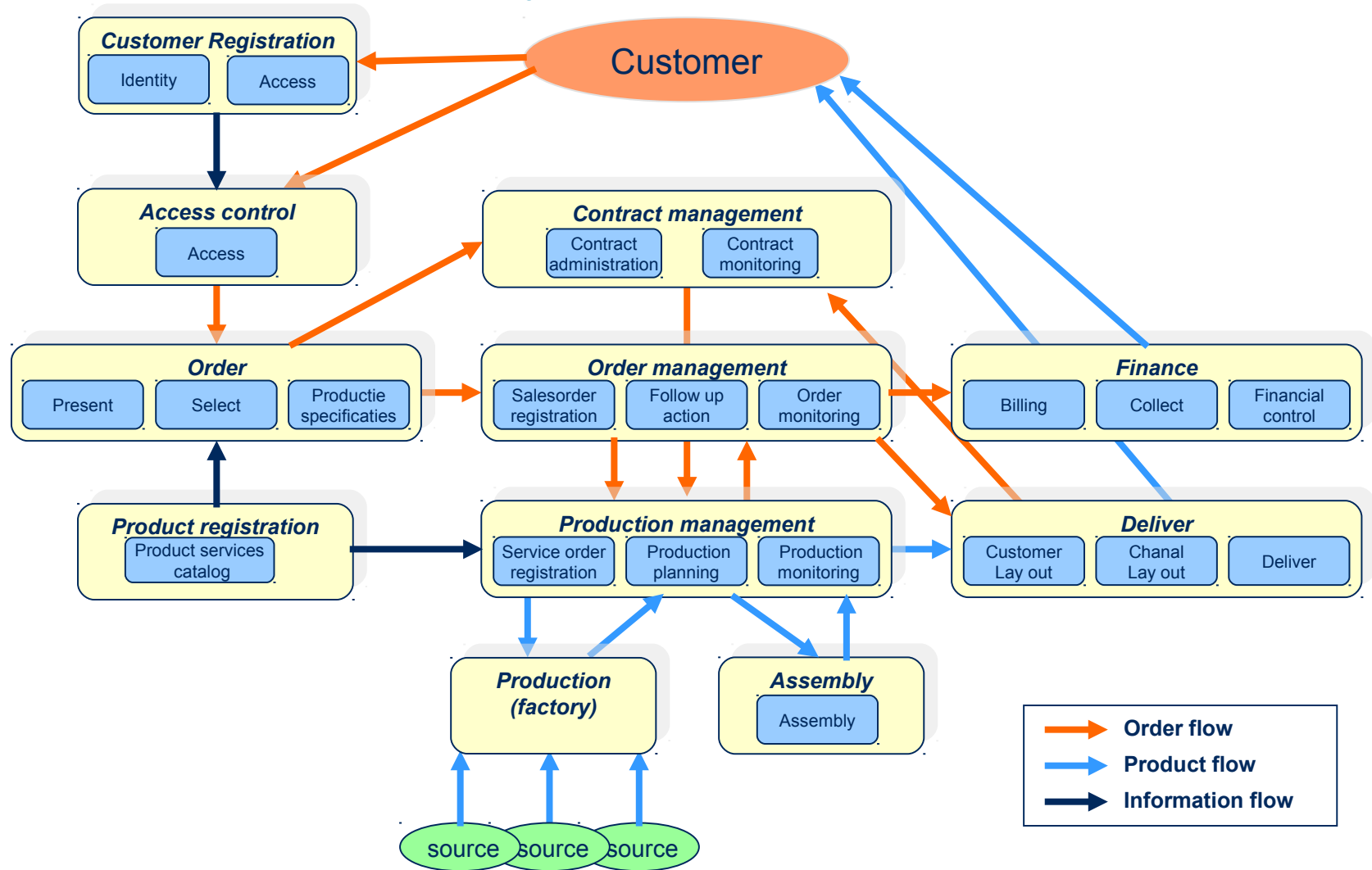


Roadmap

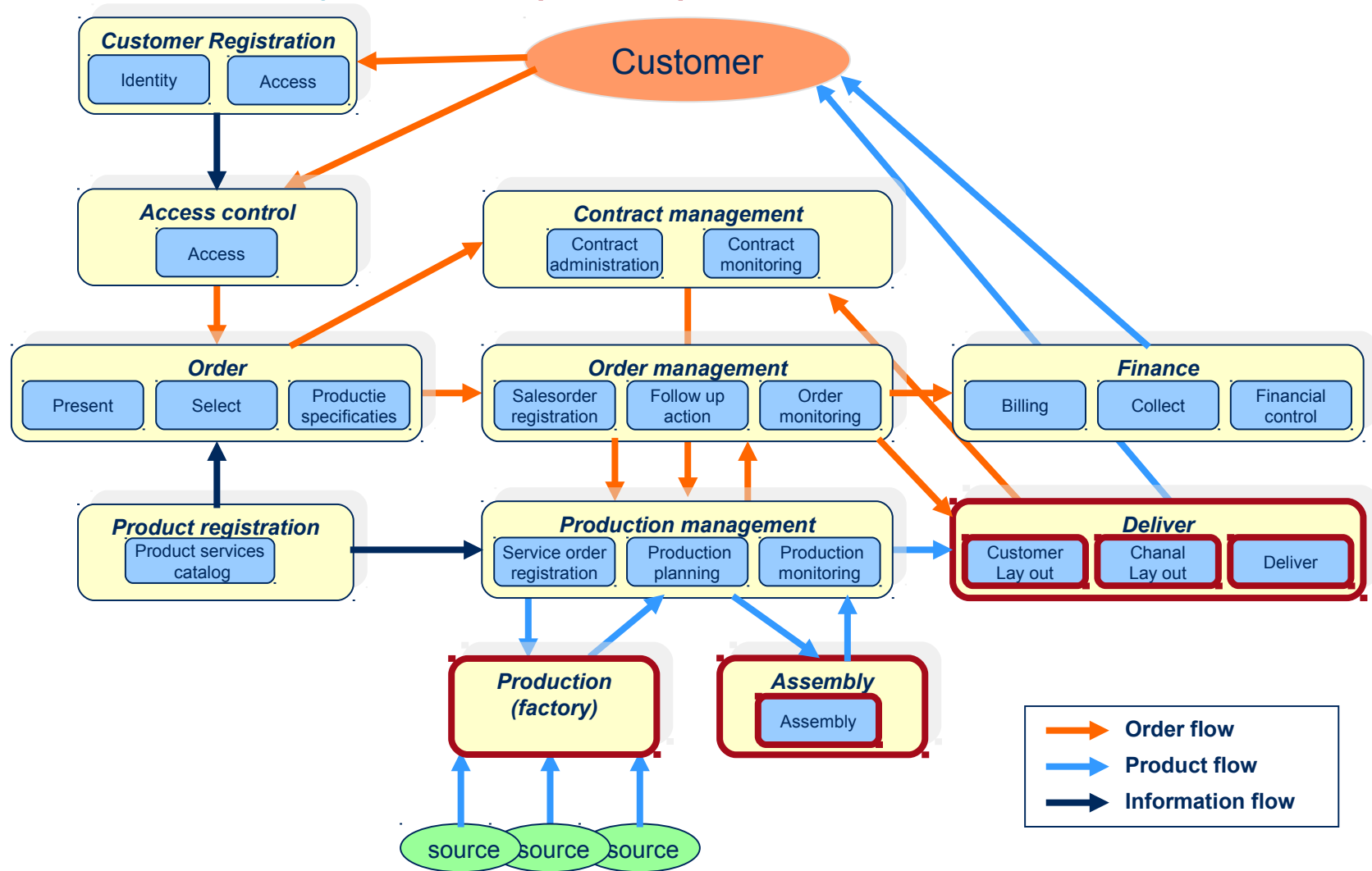


- Architecture & design
- (Re)built
- IT implementation
- Business implementation

Concept actual system



Concept system (new)



The e-Excavator



- Need for App's
- Invest in hardware
- Adjust business processes
- Inform and educate the work force

TODO for the network operator

- INSPIRE-mandatory? 70%
- Network information copied to the central data warehouse?
- Network information correct and updated?
- Planning, budget, resources?
- Contract a service provider?
- ...

To be expected shortly ...



- Communication
- Design issues
- IMKL2015 V0.99
- Adjustments of WION

