

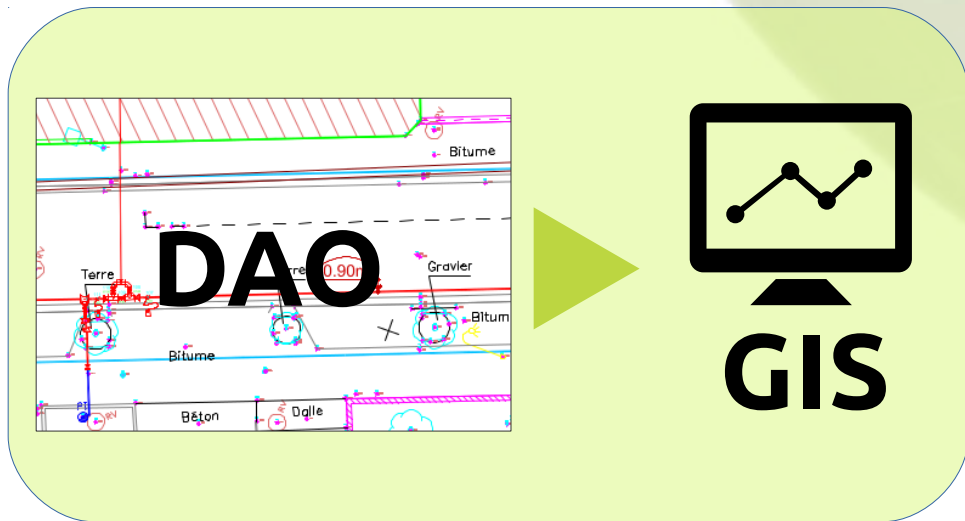


A sustainable path to interoperability



– INSPIRE Conference 2015 –

We innovate for spatial data interoperability



Heterogenous data integration
FOR
GIS data updating



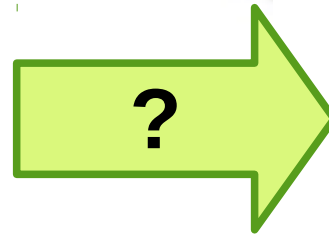
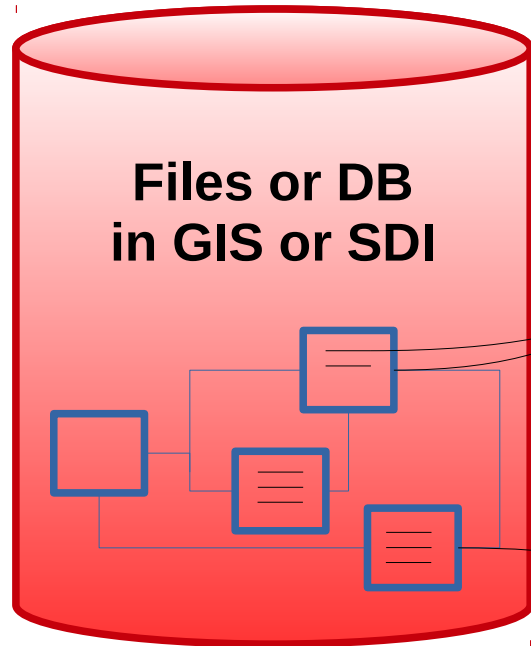
Download service
FOR
GIS data sharing

- **The job to be done**
- **Our transformation drivers**
- **How does it work ?**
- **What's different ?**
- **Feedback**

The job to be done

Interoperability's realm

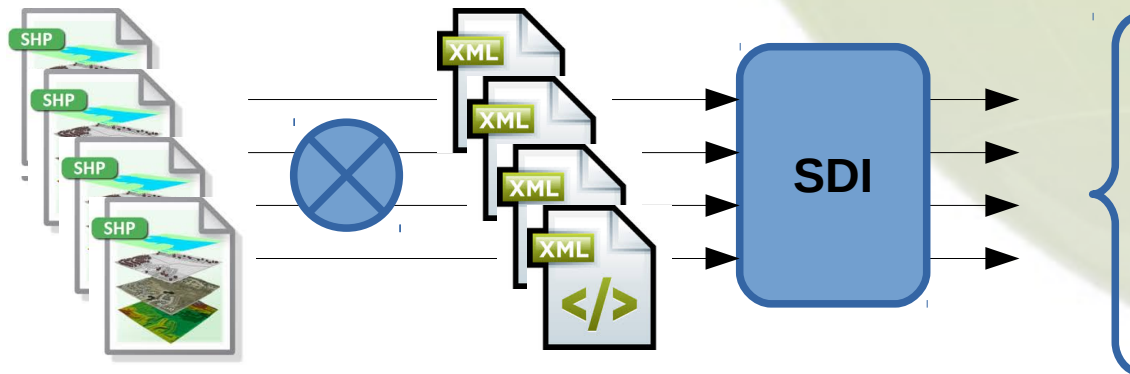
Existing spatial data



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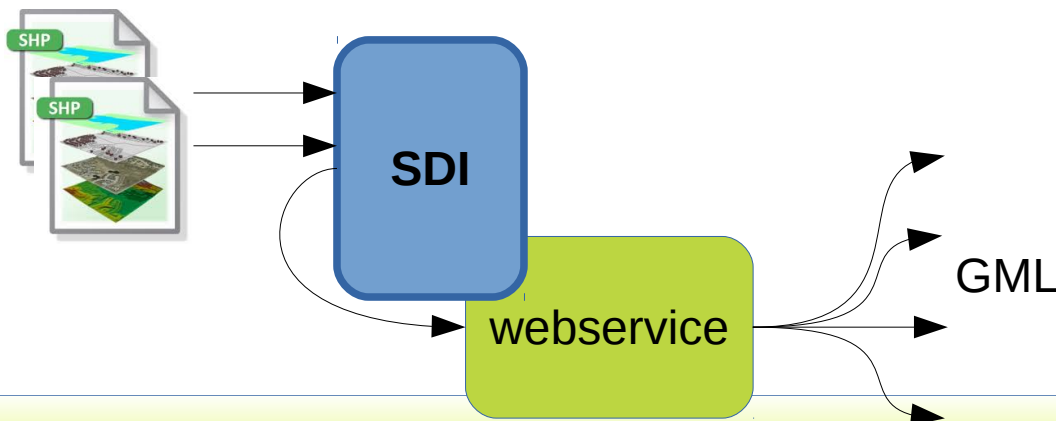
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Offline transformation



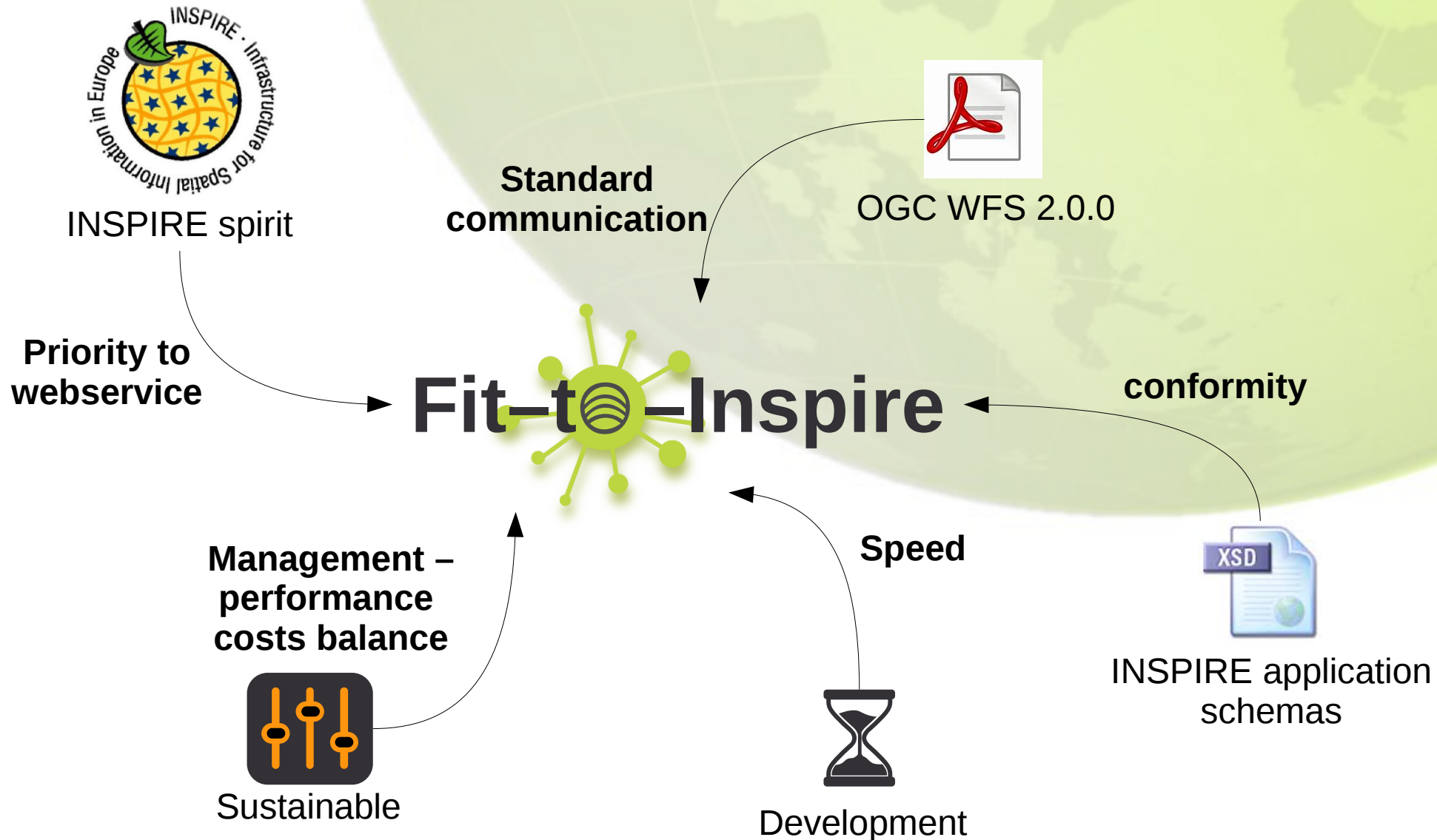
- > Predefined datasets
- > New file = new metadata
- > Needs XML skills

Online transformation

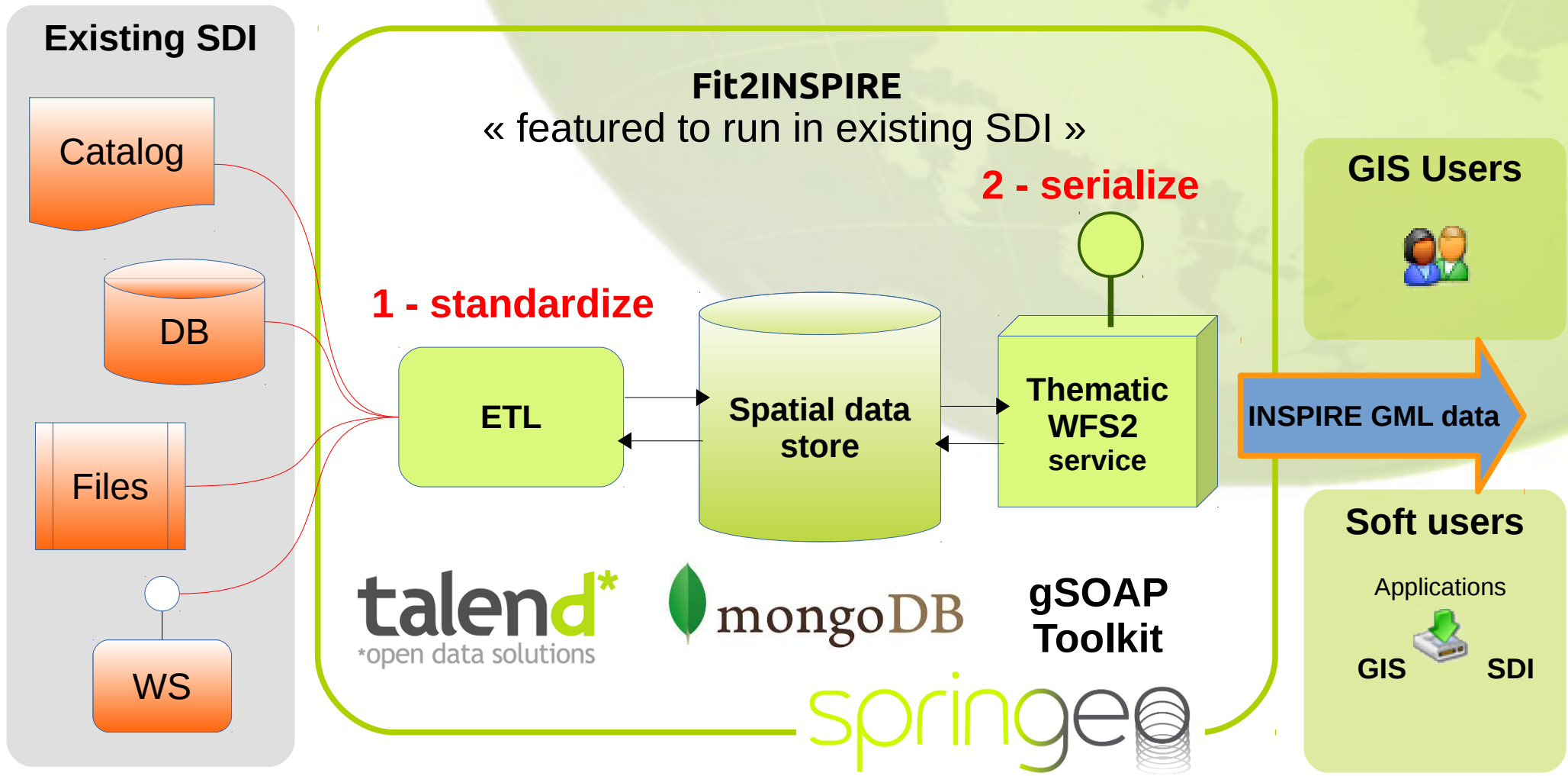


- > Direct and custom access to data
- > "XML-free"
- > Hard to setup

Main drivers



Transformation recipe



Why are we different ?

- ① **Domain specific** : 1 theme, 1 webservice
- ① **Schema driven for a strict interoperability**
- ① **Customization**
 - > Rich GML output according to user needs
- ① **New cocktail of technologies**
 - > Stand-alone server rather than existing servers
 - > NoSQL rather than RDBMS
 - > Open software



Test our online demo
<http://www.springeo.fr/demo>

- **Planned Land Use demo**
 - > 300h of development
 - > 1 server running for 6 months
- **The interoperability challenge is complex**
 - > Work together : bet on your favorite SDI !
 - > Aggregate data before its delivery : one endpoint is better for users
- **SDI are still far from the beginning**

Advantages

- > Less data and metadata to manage
- > XML-free backoffice
- > Complex schema support
- > Lightweight server
- > Fast coding

Drawbacks

- > Suitable only for a significant amount of data
- > Manual standardization step
- > Not scalable in case of many heterogeneous data

- We are working on a UI to facilitate data harmonization on step 1
- We are open to partnerships to share our know-how

Thanks !

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