

eENVplus pilot application

Two and a half pilots as examples

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Flemish Environment Agency (VMM)

& Belgian Interregional Environment Agency (IRCEL - CELINE)

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Scenarios & Pilots

■ 3 Cross-border Pilots:

- ☐ Czech Republic/Slovakia for everyday life issues connected to Environmental aspects
- ☐ Hungary/Slovakia for Nature Conservation
- ☐ Italy/Slovenia for Environmental Risk (Geohazard)

■ 1 Scenario in two Pilots

- ☐ Belgium and Italy for Air Quality



EP01 (& EP02)

A Shared Environmental Information System (SEIS) for Air Quality data

Juliette Dujardin - Olav Peeters
Belgian Interregional Environment Agency (IRCEL - CELINE)

- Most important functions of IRCEL - CELINE (air quality):
 - Continuous forecasts (cf SMOG alert)
 - Informing the public (real-time and assessment)
 - National report under the air quality directive (2004/107/EC)
 - Enforcing a common scientific basis between monitoring networks
 - Interregional calibration laboratory
 - Interregional data processing centre (IDPC) - real-time database
- National Focal Point (Eionet)
- Compilation GHG inventory



Flemish Environment Agency



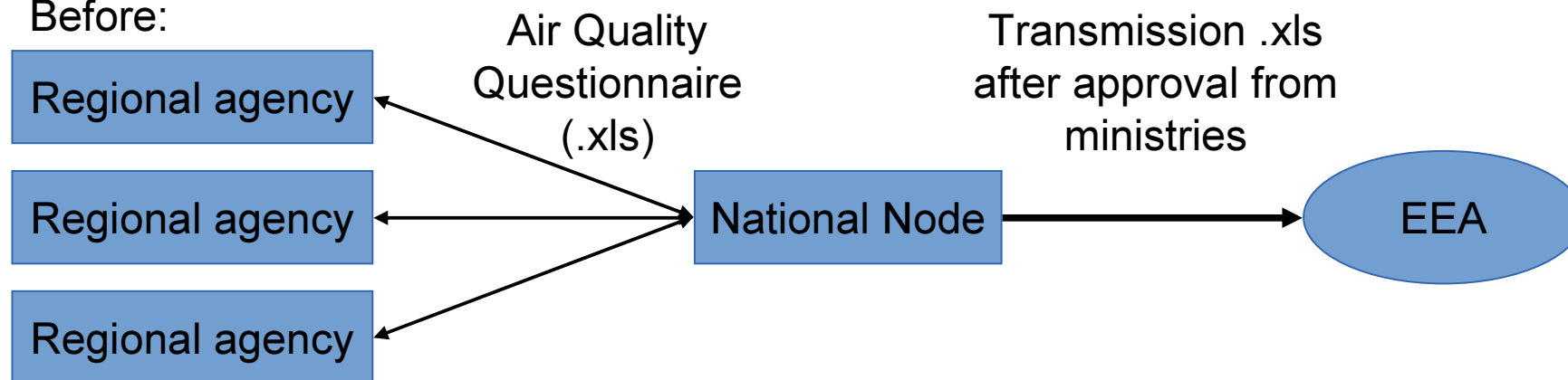
Brussels Environment



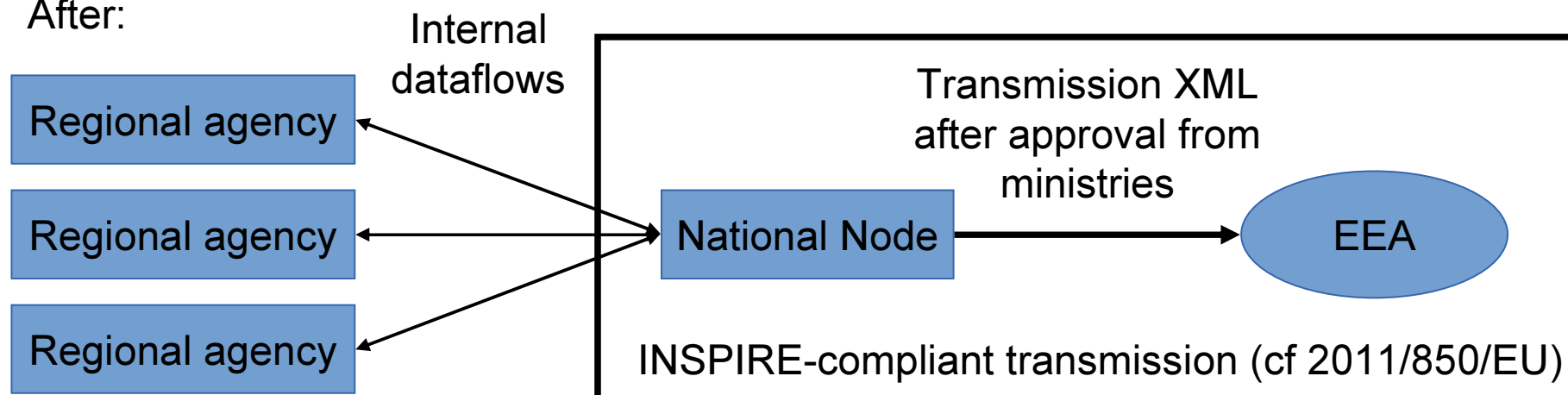
Walloon
Agency for Air and Climate

IPR = Implementing Provisions for Reporting

Before:

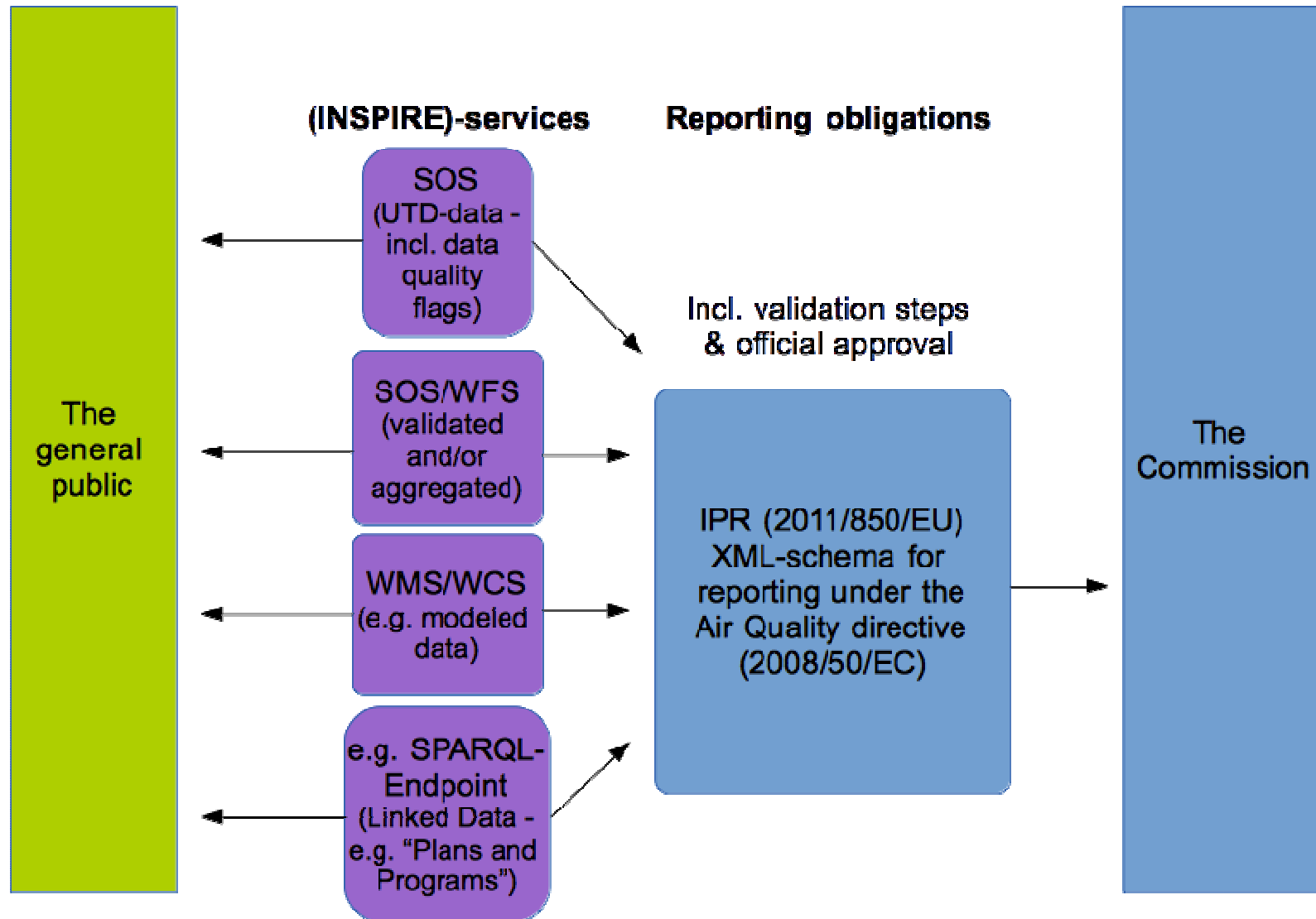


After:

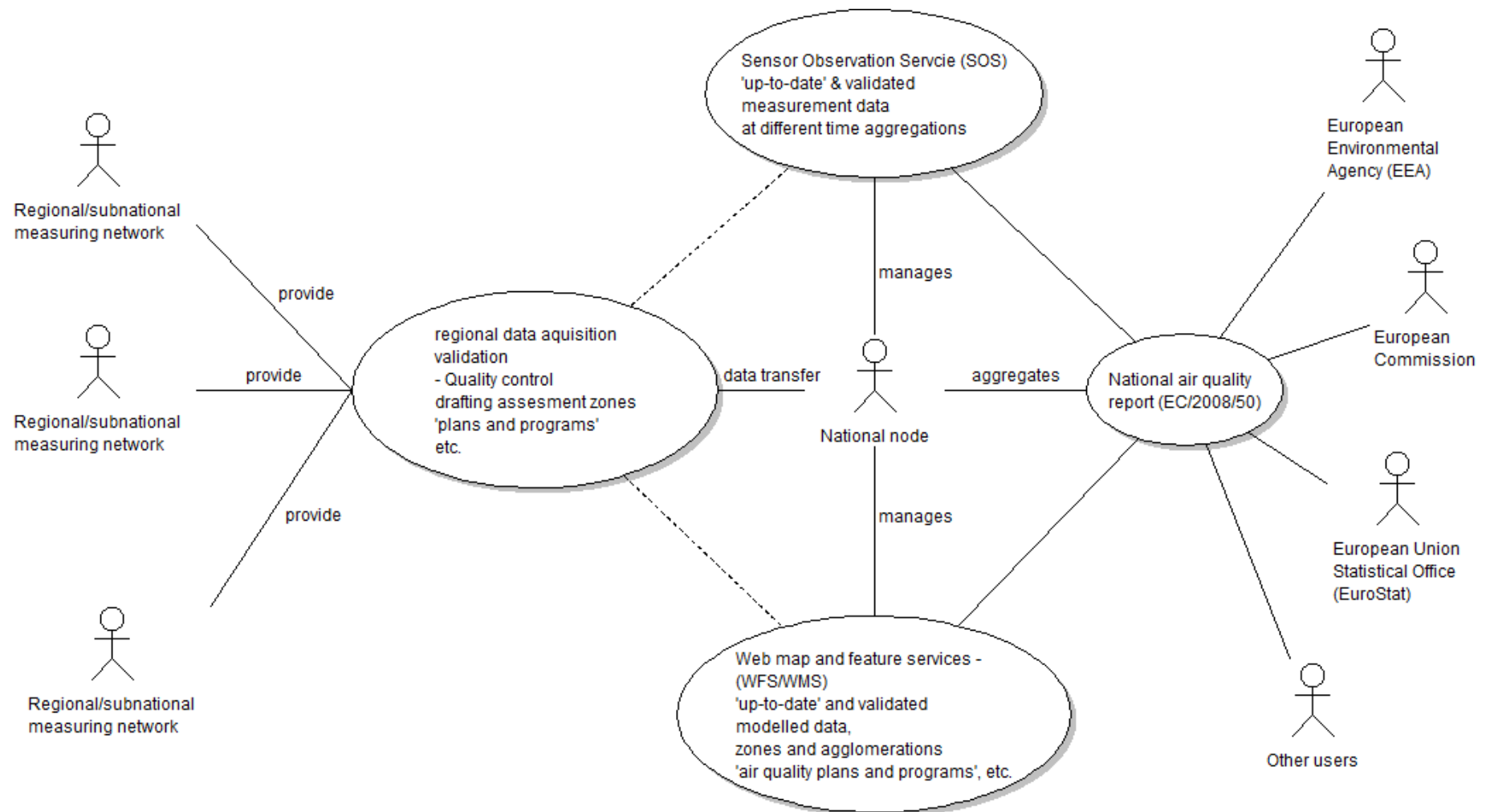


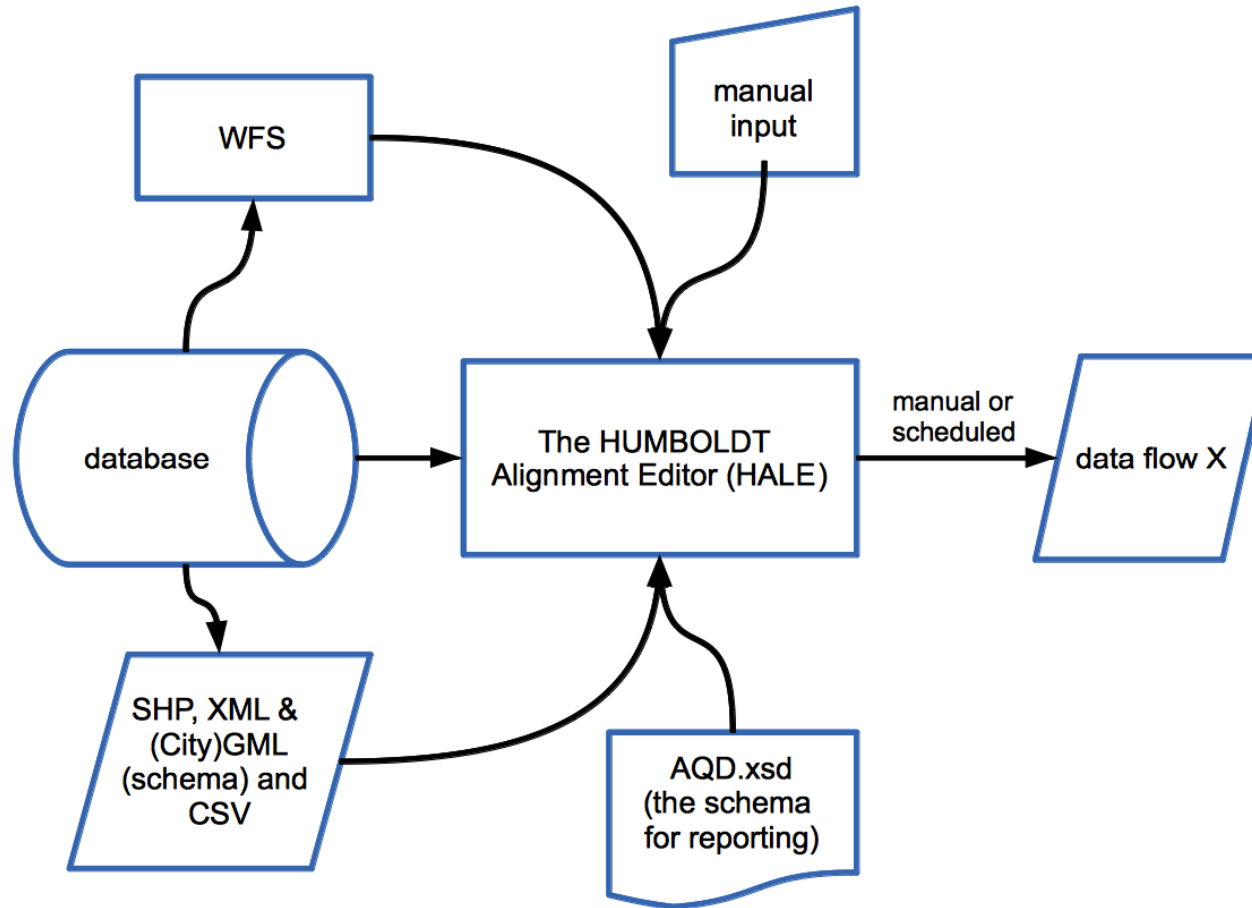
INPIRE Data Theme	Content
III.11.AM	Dataset B – "zones and agglomerations"
III.11.AM	Dataset C – "assessment regime"
III.11.AM	Dataset D – "assessment methods"
III.7. EF	Dataset E1a – "primary validated assessment data – measurements"
III.13 AC	Dataset E1b – "primary validated assessment data – modelled"
III.7. EF	Dataset E2a – "primary up-to-date assessment data – measurements"
III.13 AC	Dataset E2b – "primary up-to-date assessment data – modelled"
III.7. EF	Dataset F1a – "aggregated data - primary validated measurements"
III.13 AC	Dataset F1b – "aggregated data - primary validated modelled"
III.7. EF	Dataset F2 – "aggregated data - primary up-to-date measurements"
III.11.AM	Dataset G – "attainment of environmental objectives"
III.11.AM	Dataset H – "air quality plans"
III.11.AM	Dataset I – "source apportionment"
III.11.AM	Dataset J – "scenario for the attainment year"
III.11.AM	Dataset K – "measures"

+ Dataset A: a header transmitted with every separate submission



Different services exposing data for several purposes





Making use of an ETL-tool
both static and dynamic datasets

EP03

Providing INSPIRE-compliant access to utility services:
**A wider use of sewage data for local
authorities based on a new sewage datamodel
for Flanders**

Juliette Dujardin - Katleen Miserez
Flemish Environment Agency (VMM)

- ☐ Contribute to the realisation of the environmental policy objectives by reporting on the state of the environment
- ☐ Preventing, limiting and reversing harmful impacts on water systems and contribute to the realisation of the integrated water policy objectives
- ☐ To manage the air quality monitoring network, performing scientific research and reporting on air quality
- ☐ Number of employees : 1024

VMM as a rightful authentic source on sewer network data

- Highly complex playing field (distributed management)
- “hidden under the ground ... somewhere”

Development of an interoperable format for data exchange:

- ☐ Starting from the existing model (in line with INSPIRE-specs)
- ☐ Consultation of and cooperation with local communities
- ☐ To cover all needs of internal and external stakeholders
- ☐ To stimulate a wider use of the geodata

IMKL RIO+

IMKL 2.1

{ Additional attributes

+

Revision based on stakeholder consultations

Depth

Additional topography

Additional plan

Annotation

Connection

Based on an international standard, adapted for Flanders

Additional information {

+

Variations:

Electricity

Tele-communication

Thermal

Oil, gas, chemicals

Water supply

sewerage

Common objects

Utility network

Generic network model

INSPIRE

InterRio



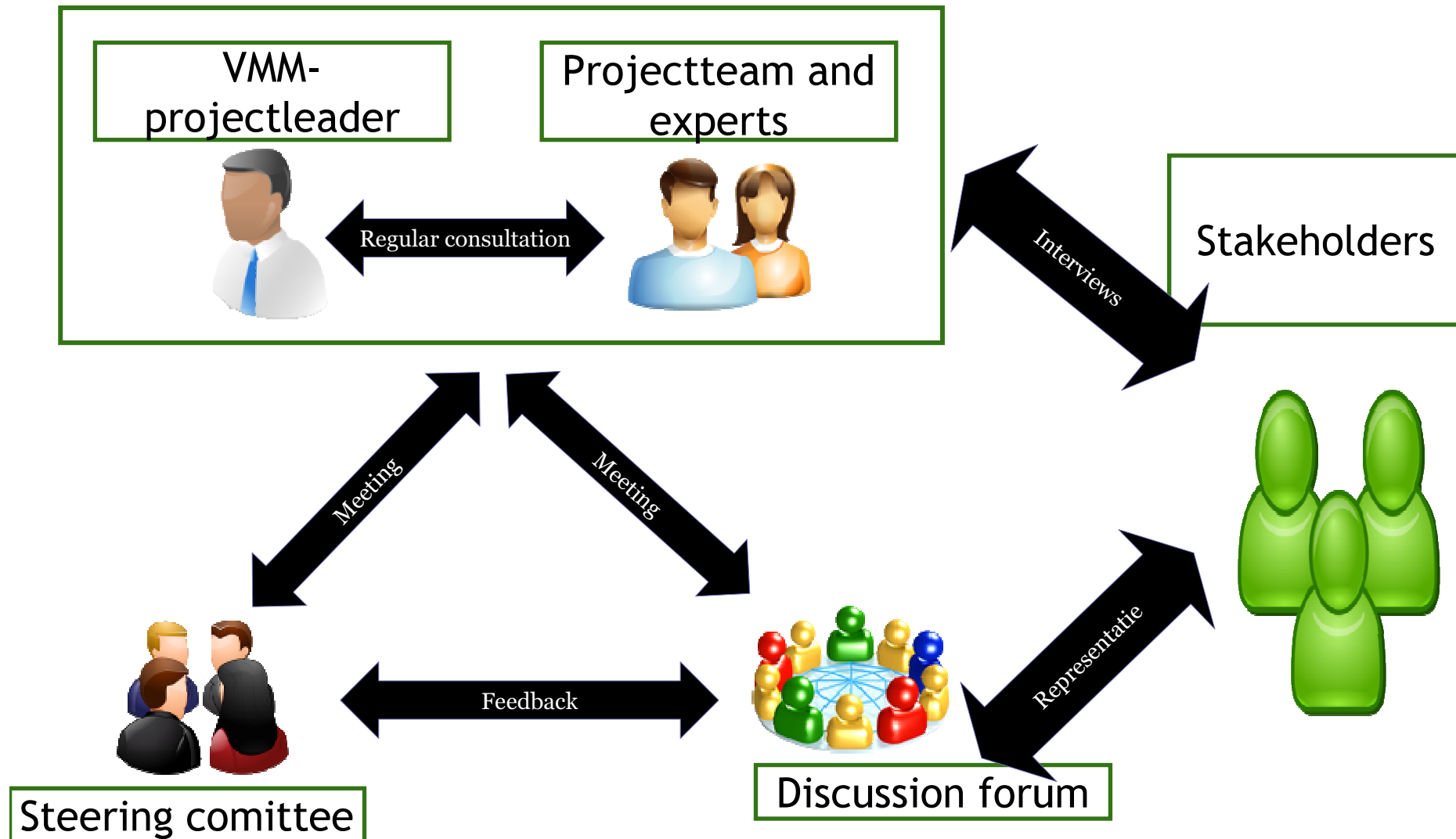
VIVAQUA

infrax



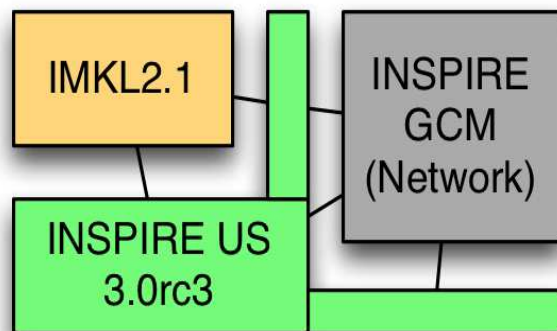
AquaRio



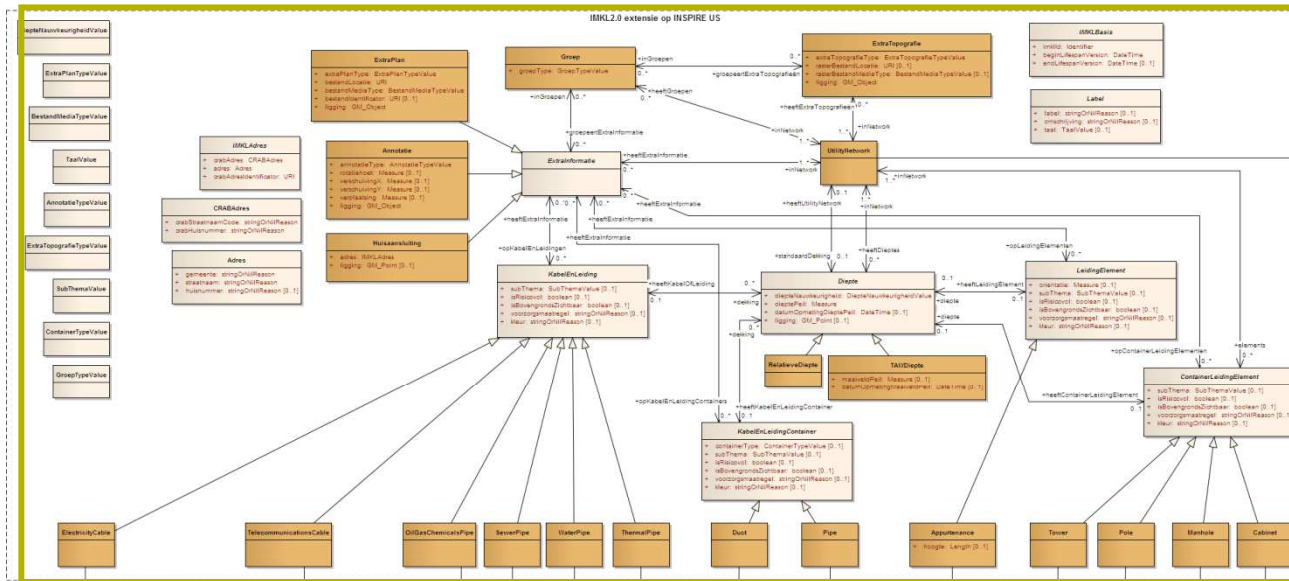


Complementary with existing initiatives:

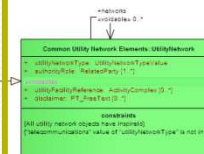
- Cables and pipes information platform (KLIP)
 - specific purpose : Avoid damage
 - Fast and uniform data on cables and pipes
 - Same basis exchange standard => allows alignment
 - Legally binding from 01/01/2016



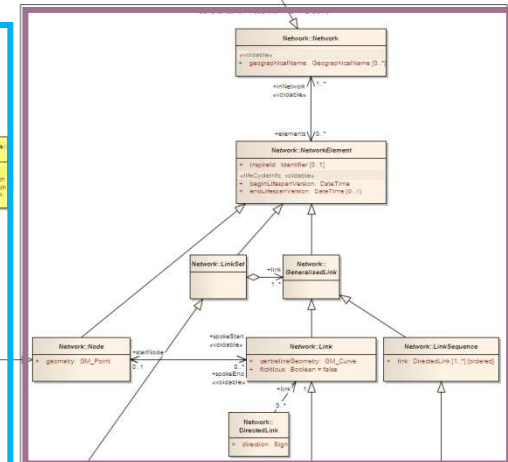
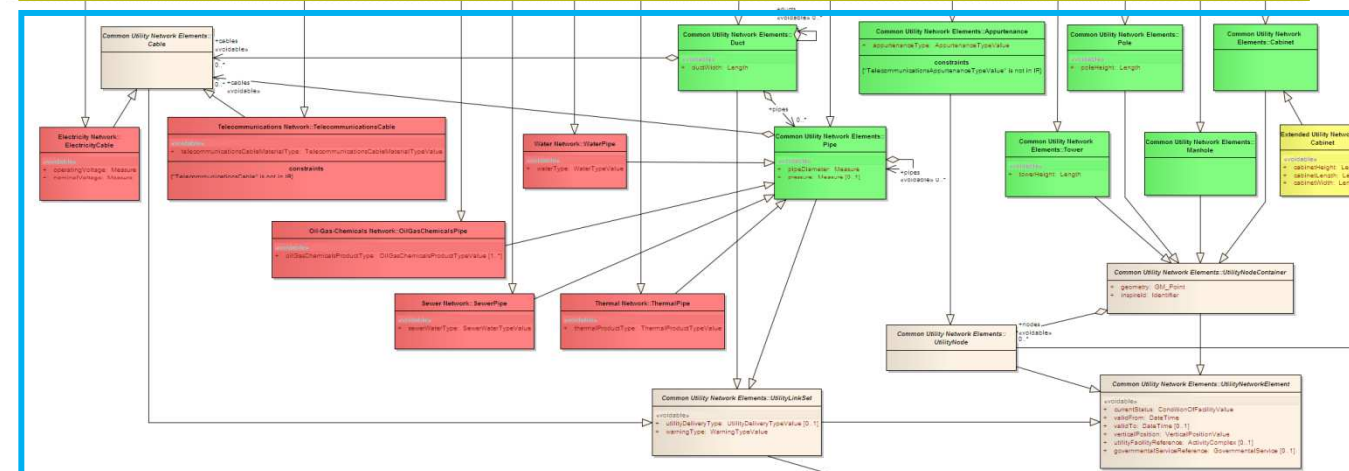
INSPIRE GCM = Generic Conceptual Model
INSPIRE US = Utility Services



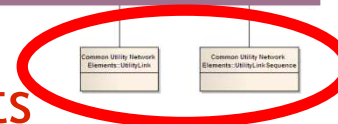
IMKL 2.1



INSPIRE GCM



Missing elements



INSPIRE U.S. 3.0rc3

Thank you

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Environment Agency (IRCEL - CÉLINE)