

Environmental Reporting reusing INSPIRE

- EU Registry
- CDDA 2018 Linked Approach

INSPIRE Extensions Workshop
21/06/2017



INSPIRE Helpdesk
We support all INSPIRE implementers



INSPIRE and Reporting

Rationale :

- MS shall provide data in the scope of INSPIRE (harmonized, interoperable, via network services) by 2020 latest.
- Data provided under INSPIRE shall be reused and MS aim to avoid multiple provision of data.
- For better support of environmental policies more direct, frequent and timely access to the environmental data is needed
- Need for a systematic approach towards eReporting

INSPIRE and Reporting

▶ 3 possible Reporting & Extension approaches

▶ Integration

- ▶ Multiple INSPIRE Themes (Type 1) and environmental data (Type 2) in one "super schema"
- ▶ E.g. Air Quality eReporting

▶ Extension

- ▶ Singular INSPIRE Theme (Type 1) is extended by environmental data (Type 2)
- ▶ E.g. EU Registry

▶ Linking ("Linked Approach")

- ▶ Environmental data (Type 2) is pointing towards multiple INSPIRE Themes but provided separately
- ▶ E.g. CDDA 2018

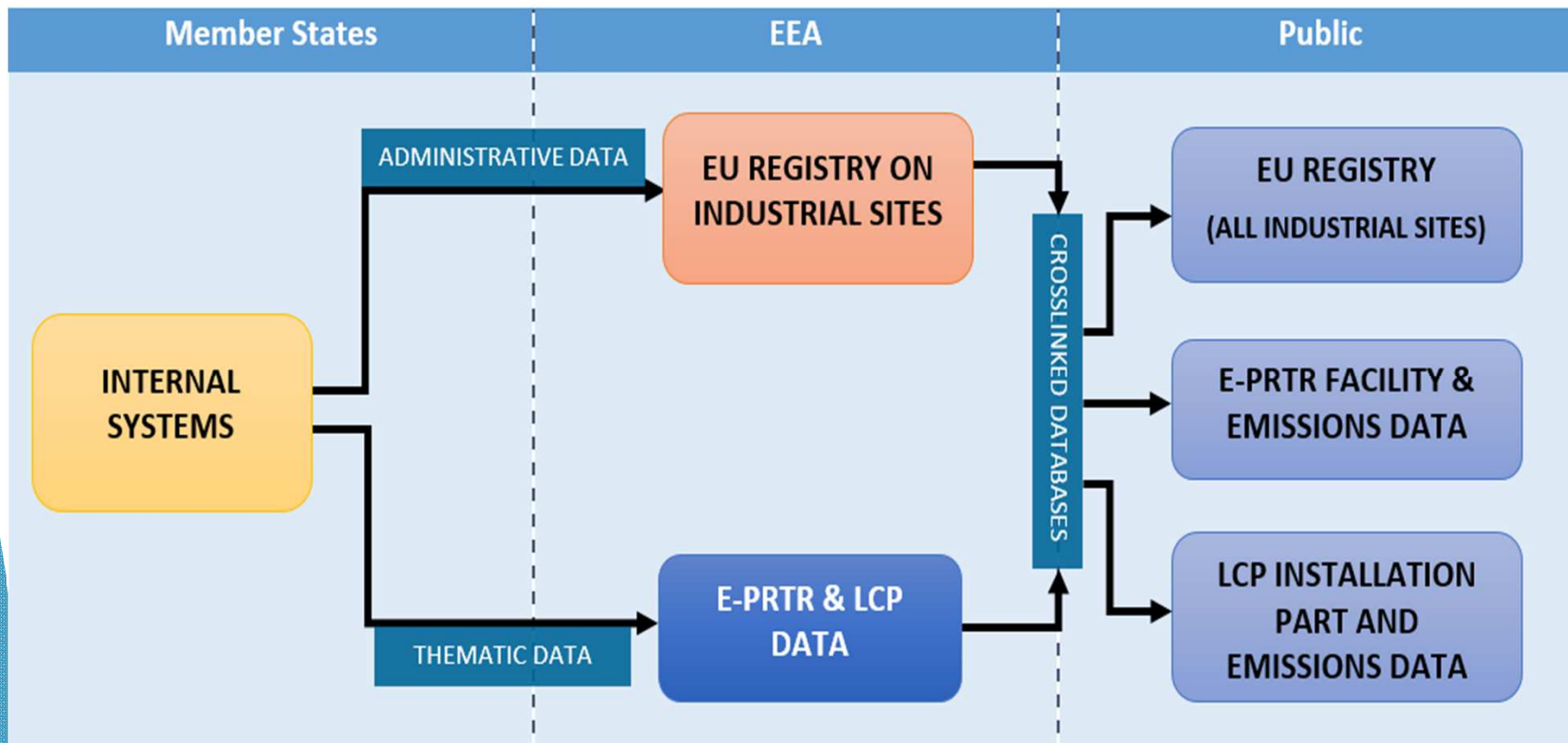
EU Registry on industrial emissions

(thanks to Daniel Montalvo, EEA & Mark Gibbs, Aether)

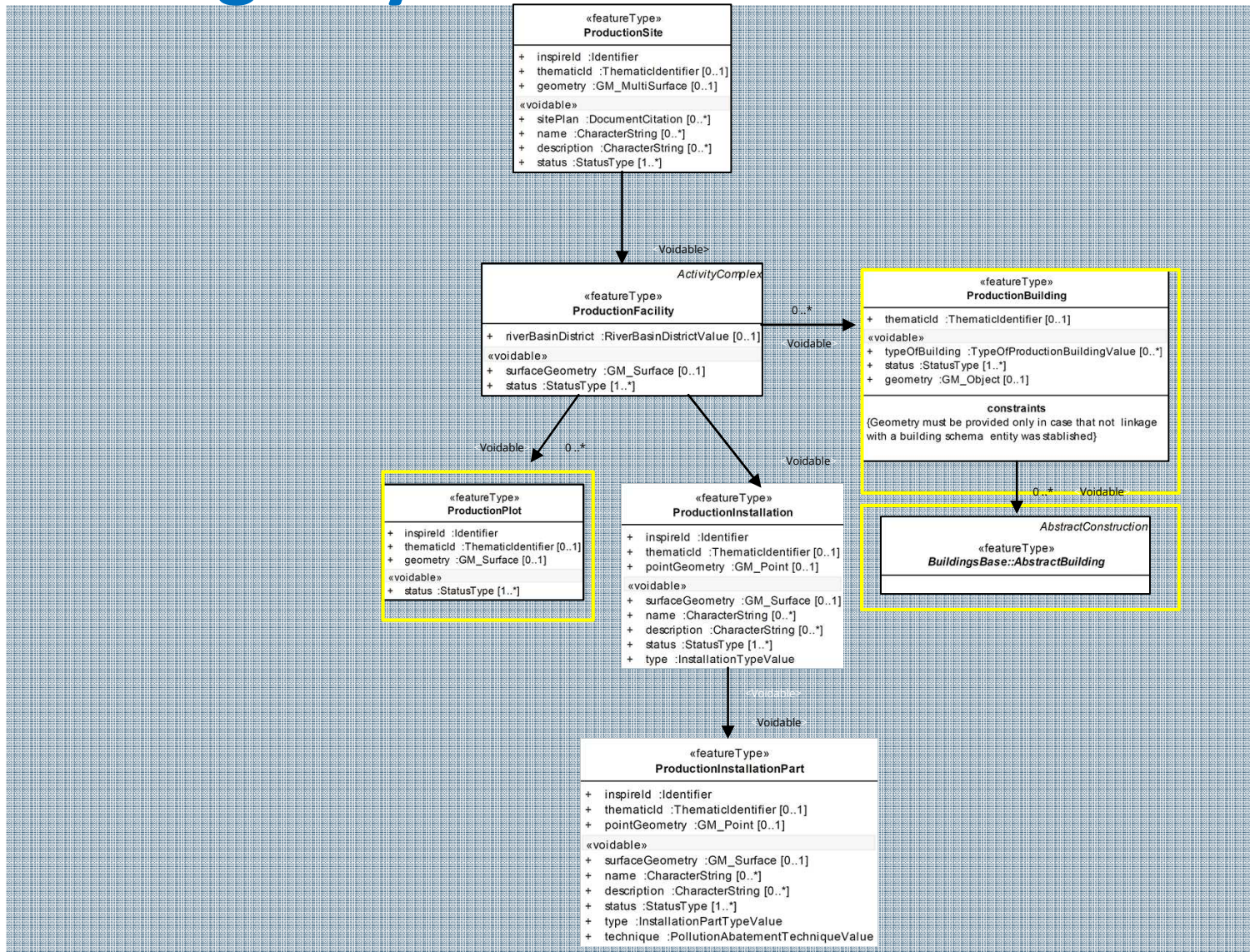


EURegistry on Industrial emissions

The EU Registry will collect identification and administrative data on European Pollutant Release and Transfer Register Regulation (**E-PRTR**) facilities, installations under the scope of the Industrial Emissions Directive (**IED**), large combustion plants (LCPs) and waste incineration and co-incineration plants (WI)

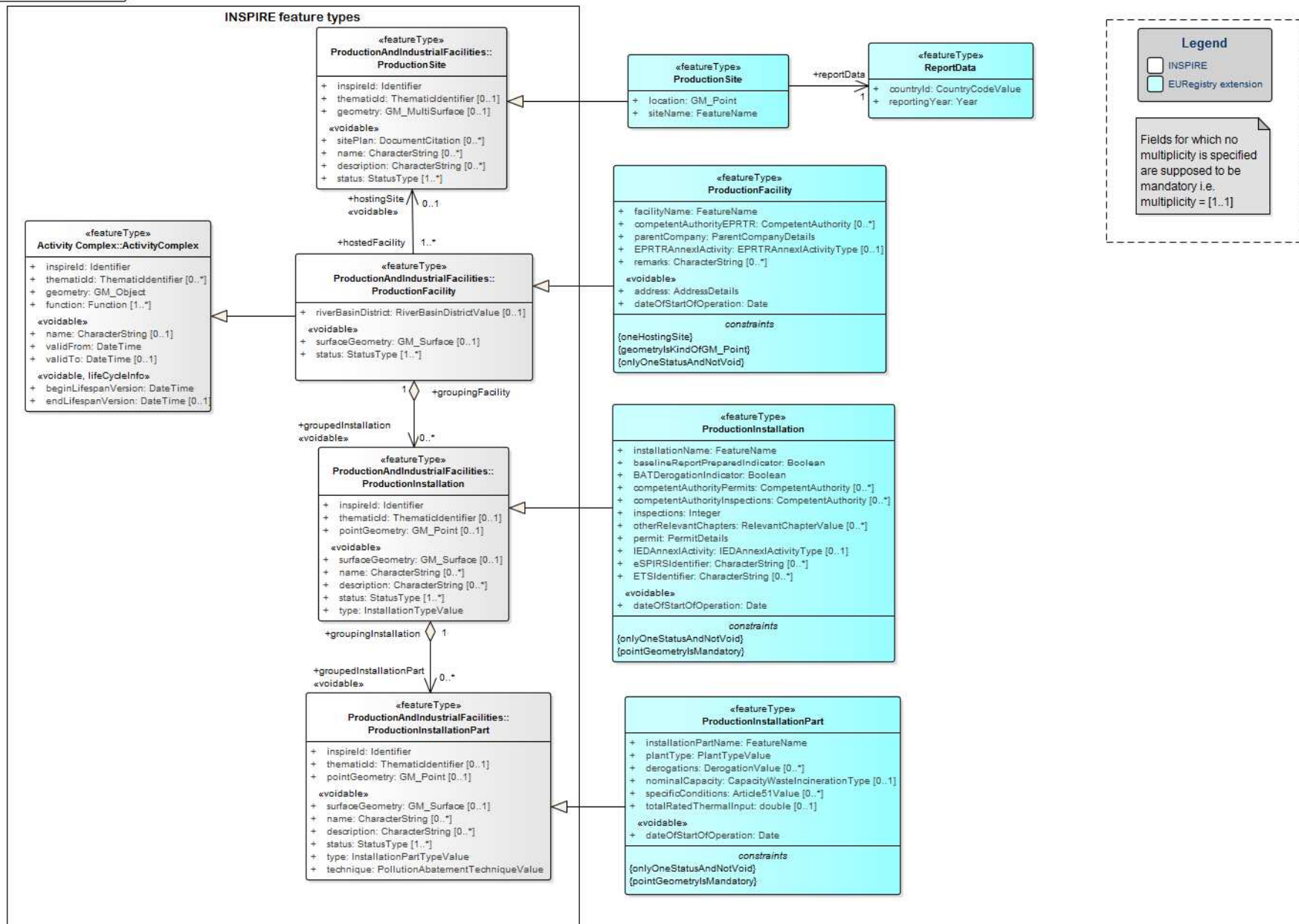


EURegistry on Industrial emissions



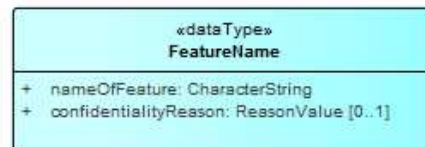
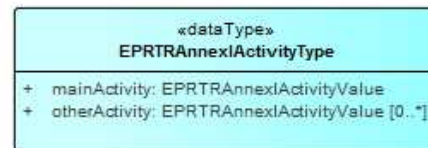
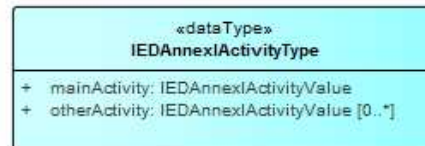
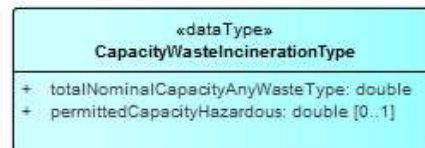
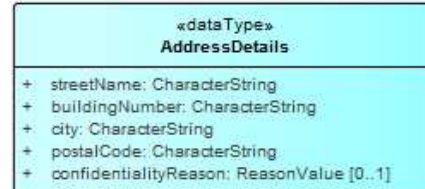
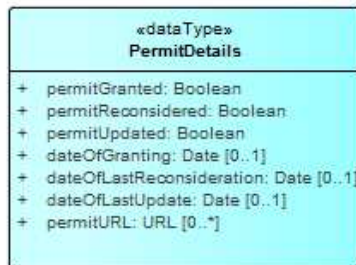
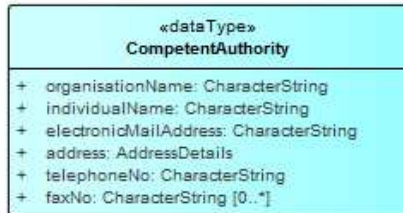
EURegistry on Industrial emissions

GML EU Registry data model

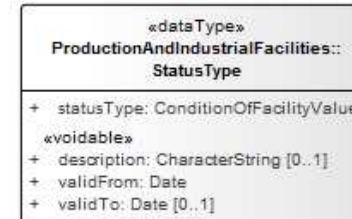
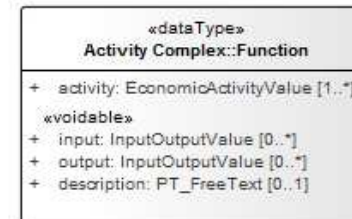
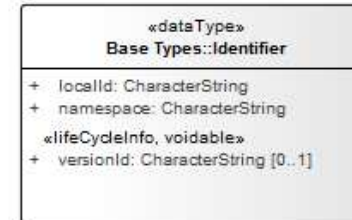


EURegistry on Industrial Emissions

class EU Registry data types



INSPIRE data types



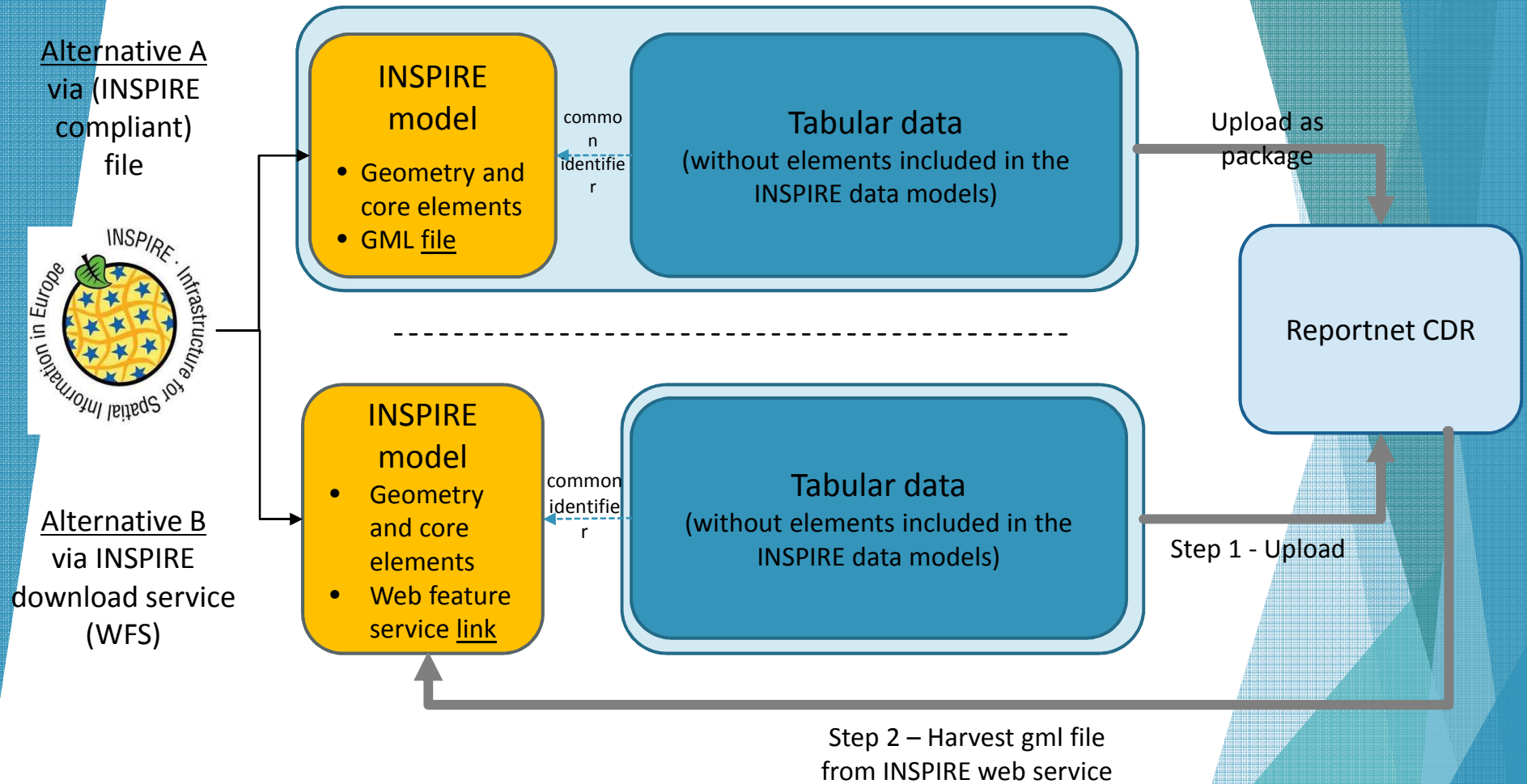
Fields for which no multiplicity is specified are supposed to be mandatory i.e. multiplicity = [1..1]

Linked Approach and CDDA 2018

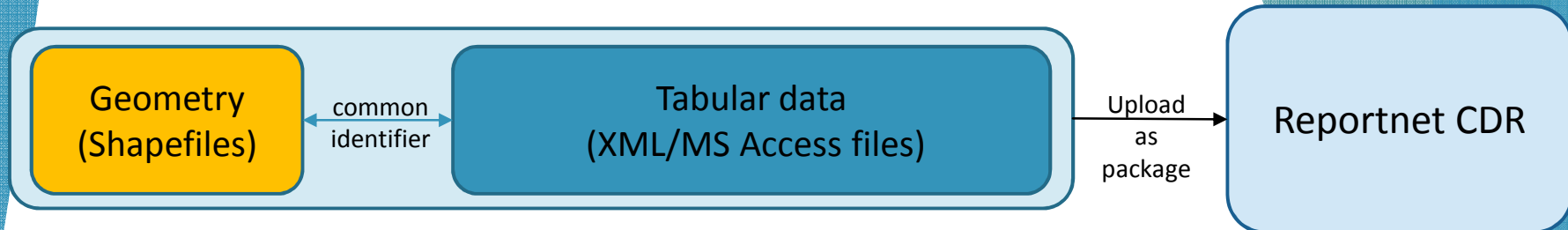
(thanks to Christian Ansorge, EEA)

LINKED APPROACH

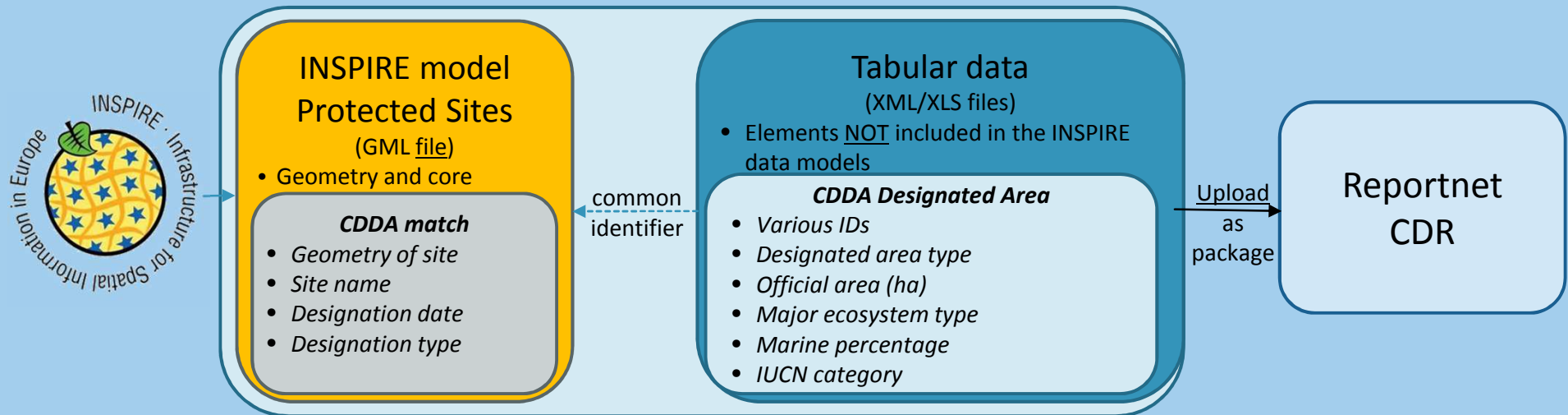
Two ways of re-using INSPIRE models (general application)



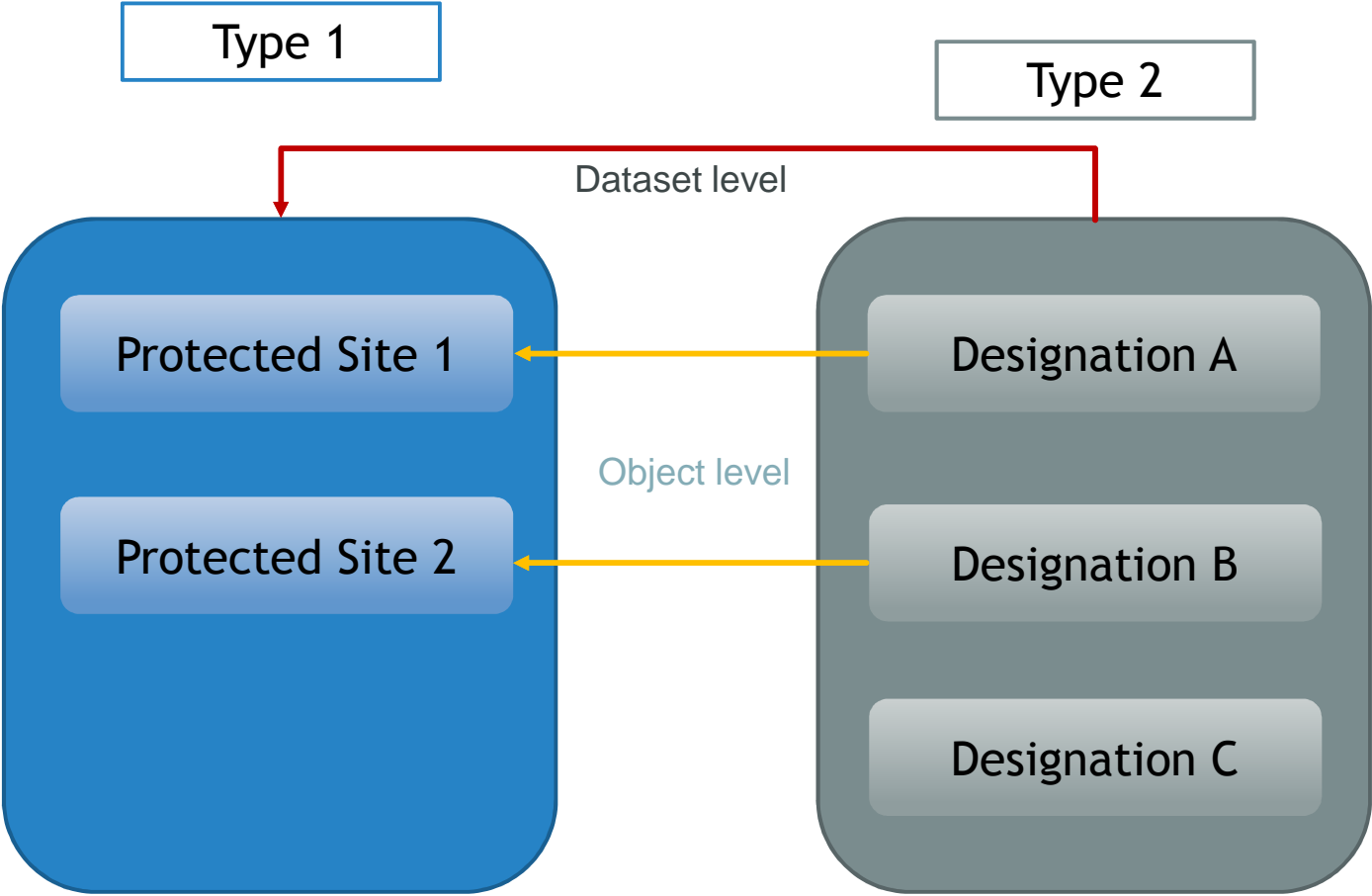
Current reporting approach in CDDA



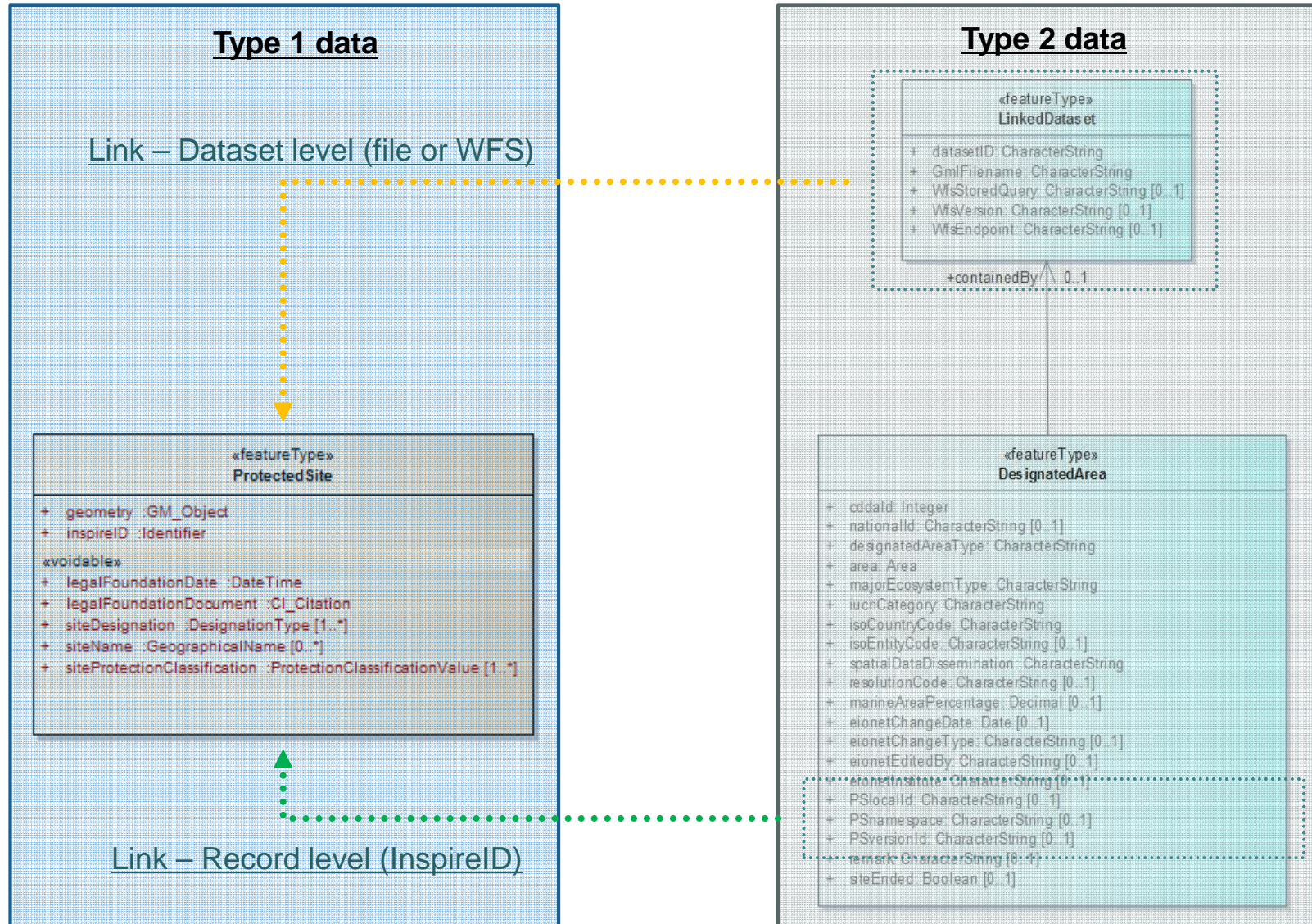
CDDA 2018 approach re-using INSPIRE Protected Sites



Linked Approach and CDDA 2018



Linked Approach and CDDA 2018



Thank you Questions??

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