

CDDA webinar – 27th April 2017

Linked Approach as reporting mechanism

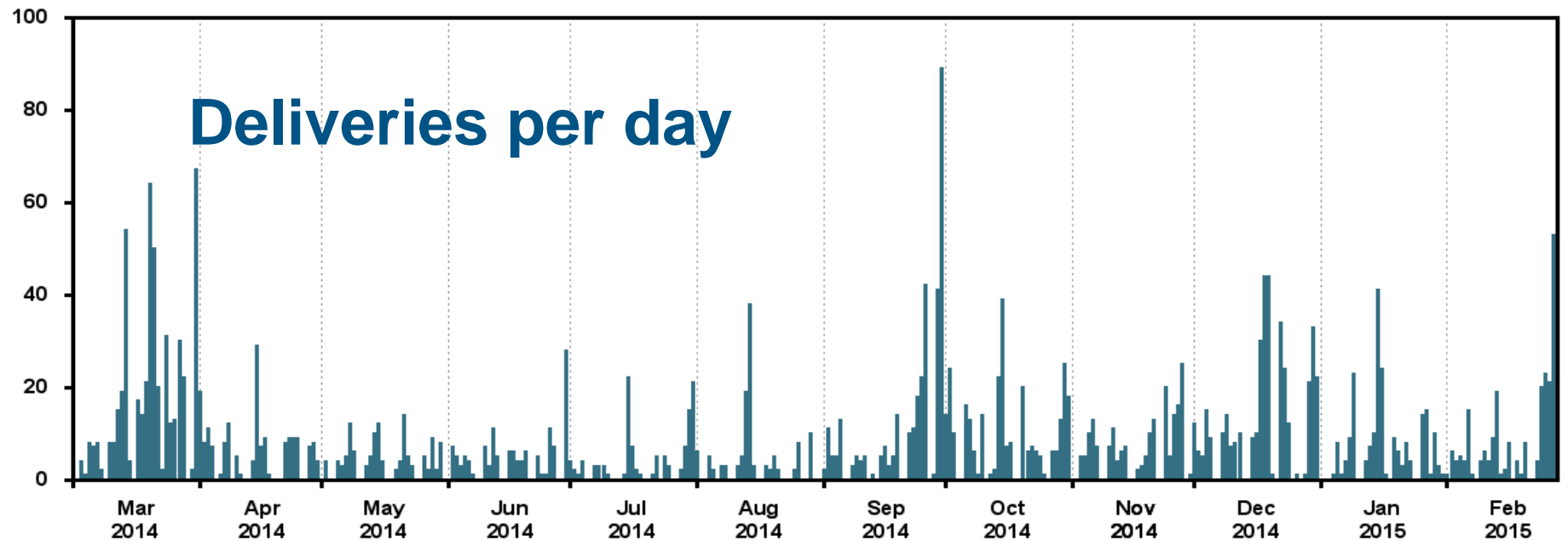
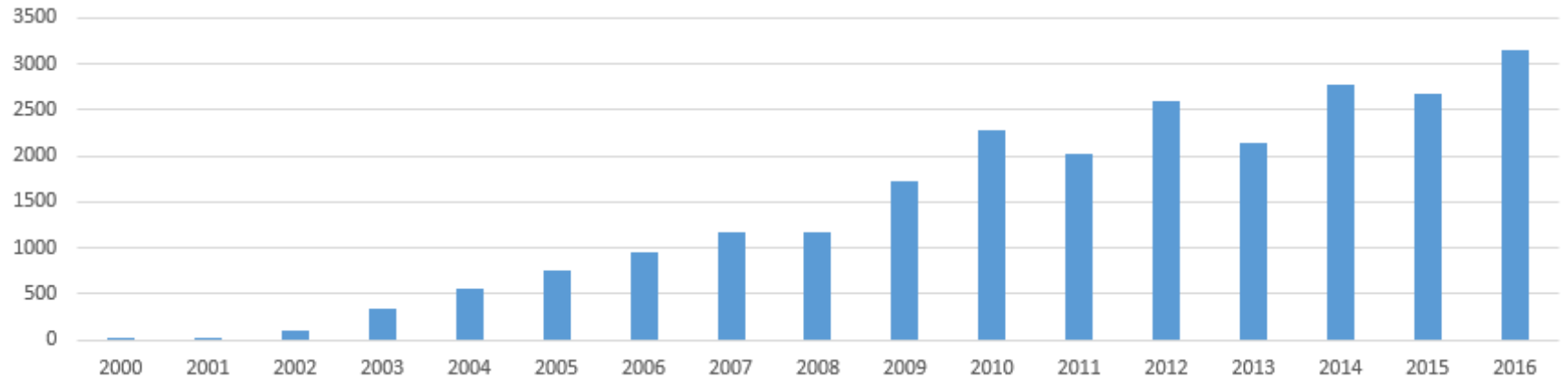


Generic Linked Approach

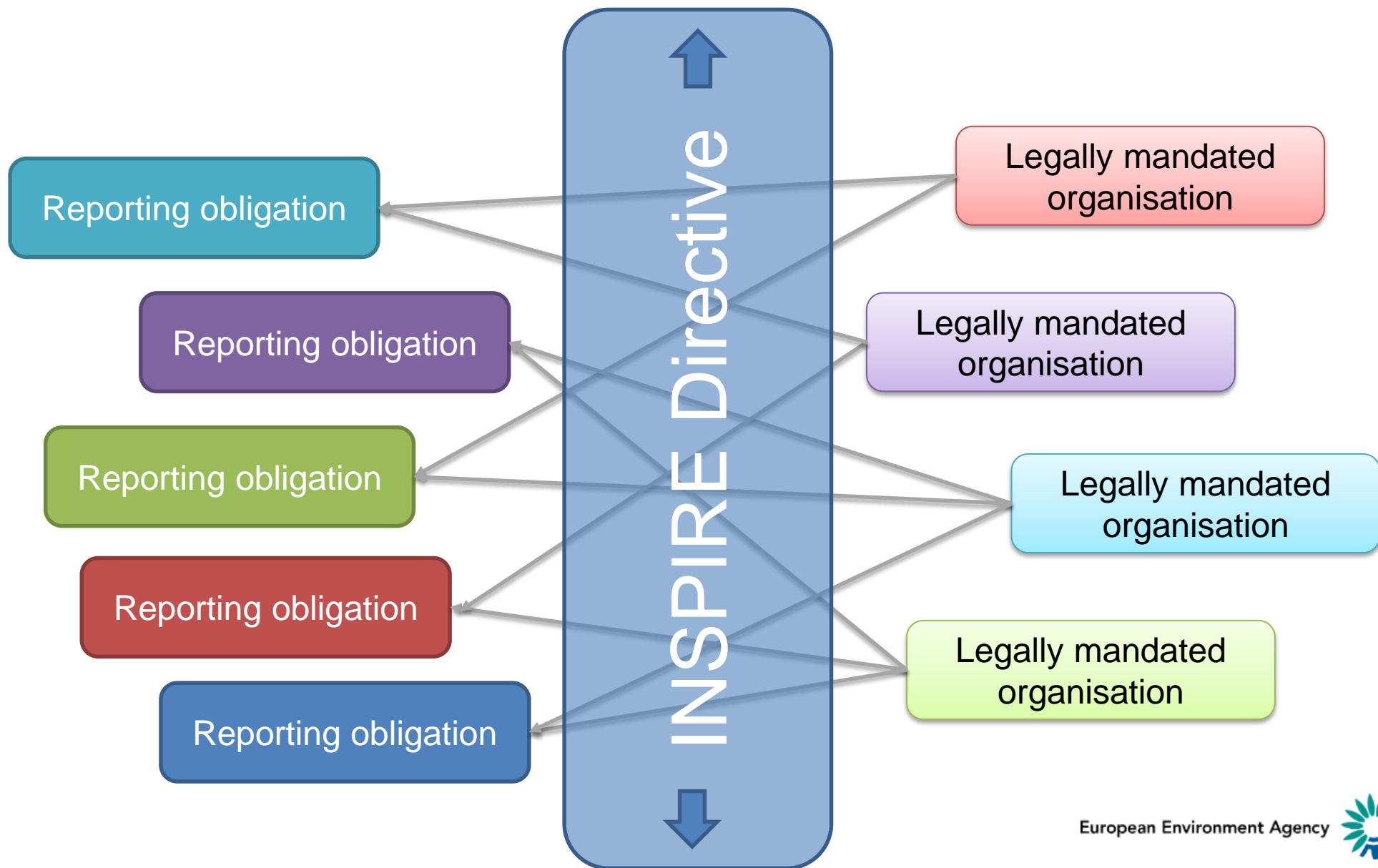
Scope

- Background and motivation for reporting reusing INSPIRE
- Introduction of the principle for the Linked Approach
- Conceptual design of the CDDA 2018 data model (*more on that later from Mette*)

Reportnet – EEA view



Reporting obligations



INSPIRE and Reporting

Reporting concept – basic assumptions:

Future

- 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

INSPIRE and Reporting

Requirements for reporting system:

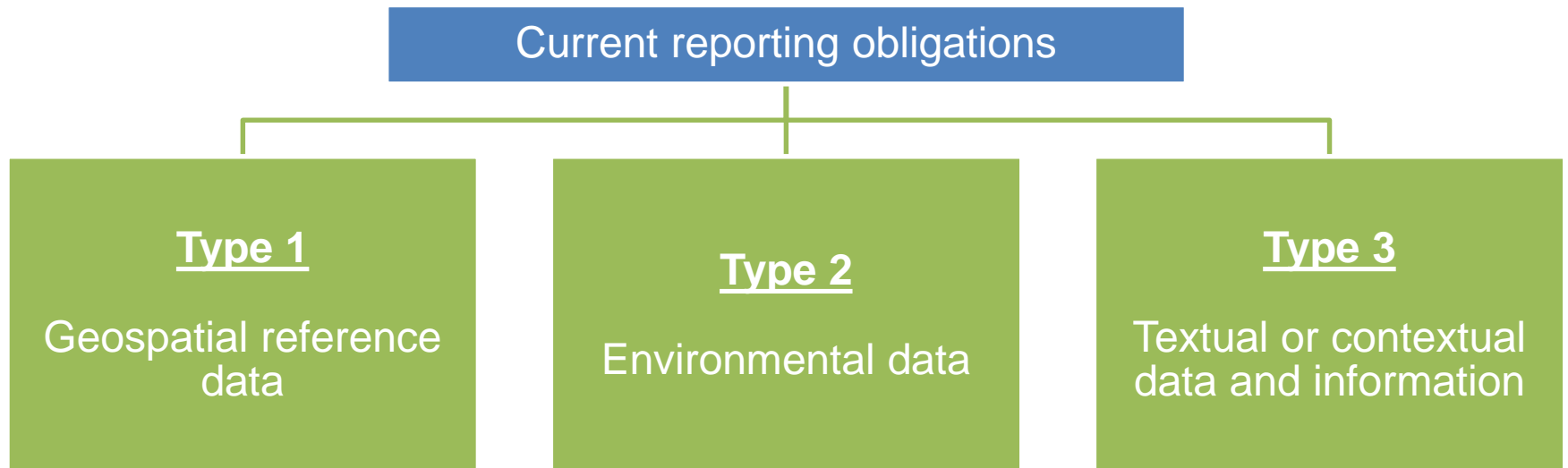
Future

- Need for a systematic approach towards eReporting
- Generic and reusable approach in different data flows
- Minimum demands on provider and consumer side
- More coherent and streamlined
- Reduce fragmentation of approaches and technical solutions

INSPIRE and Reporting

- Strategy paper:
 - „The future of eReporting and the link to INSPIRE“
 - Data Typology as one main element

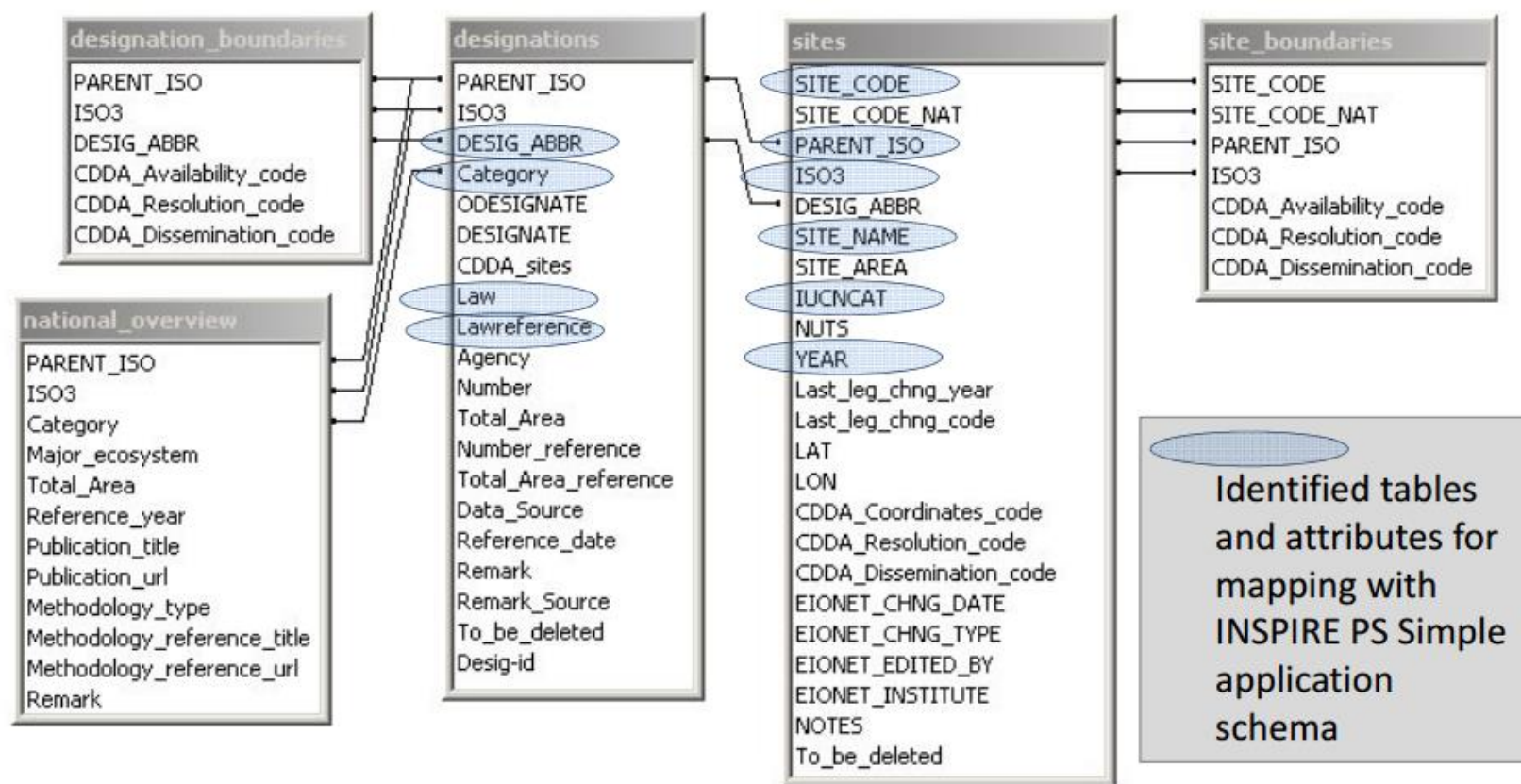
Future



INSPIRE and Reporting

Data typology in practice (more on that in the "CDDA follow-up")

Common Database on Designated Areas: Data Model



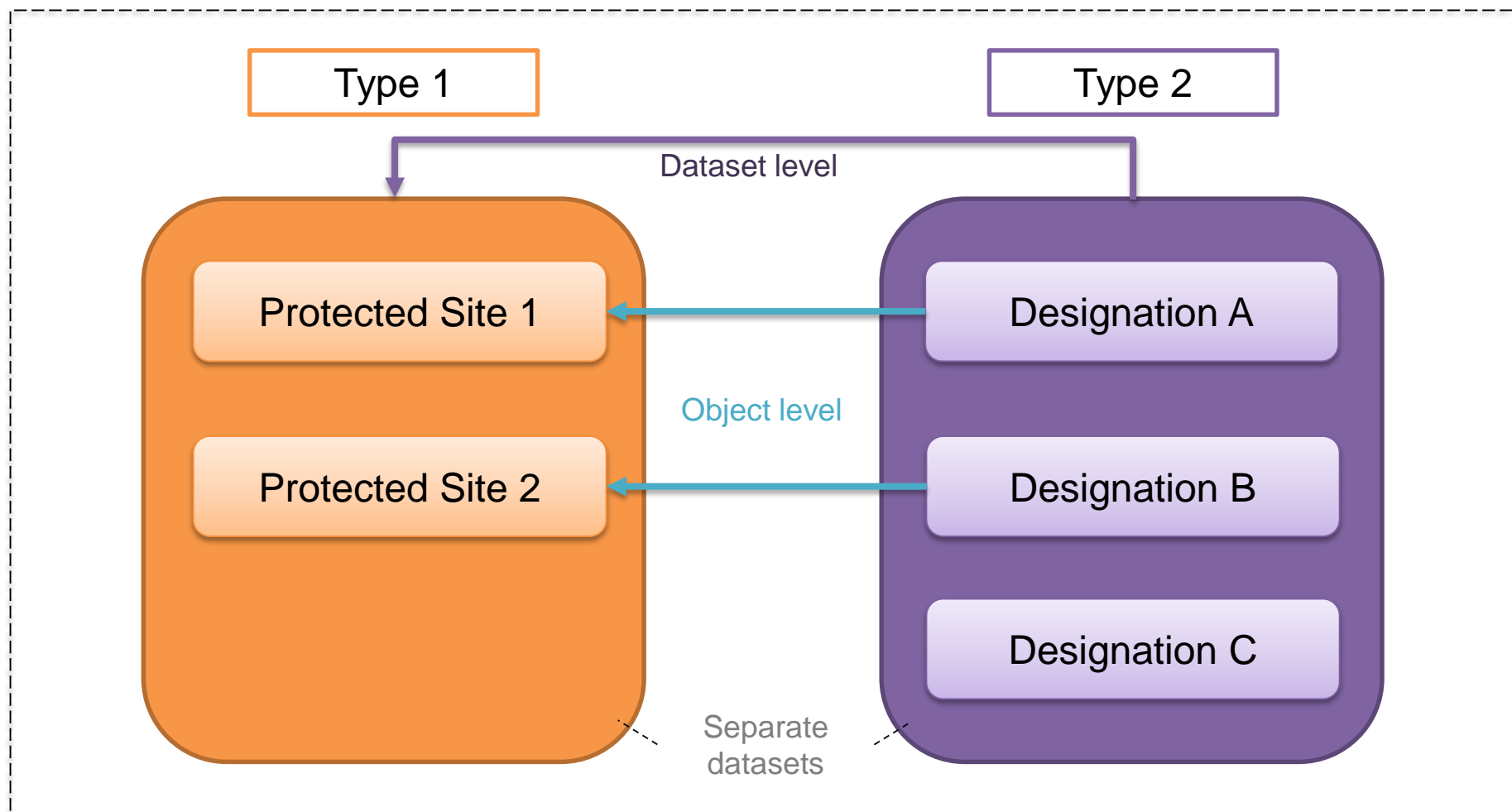
INSPIRE and Reporting

- 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 (Type 1) but provided separately
 - E.g. CDDA 2018

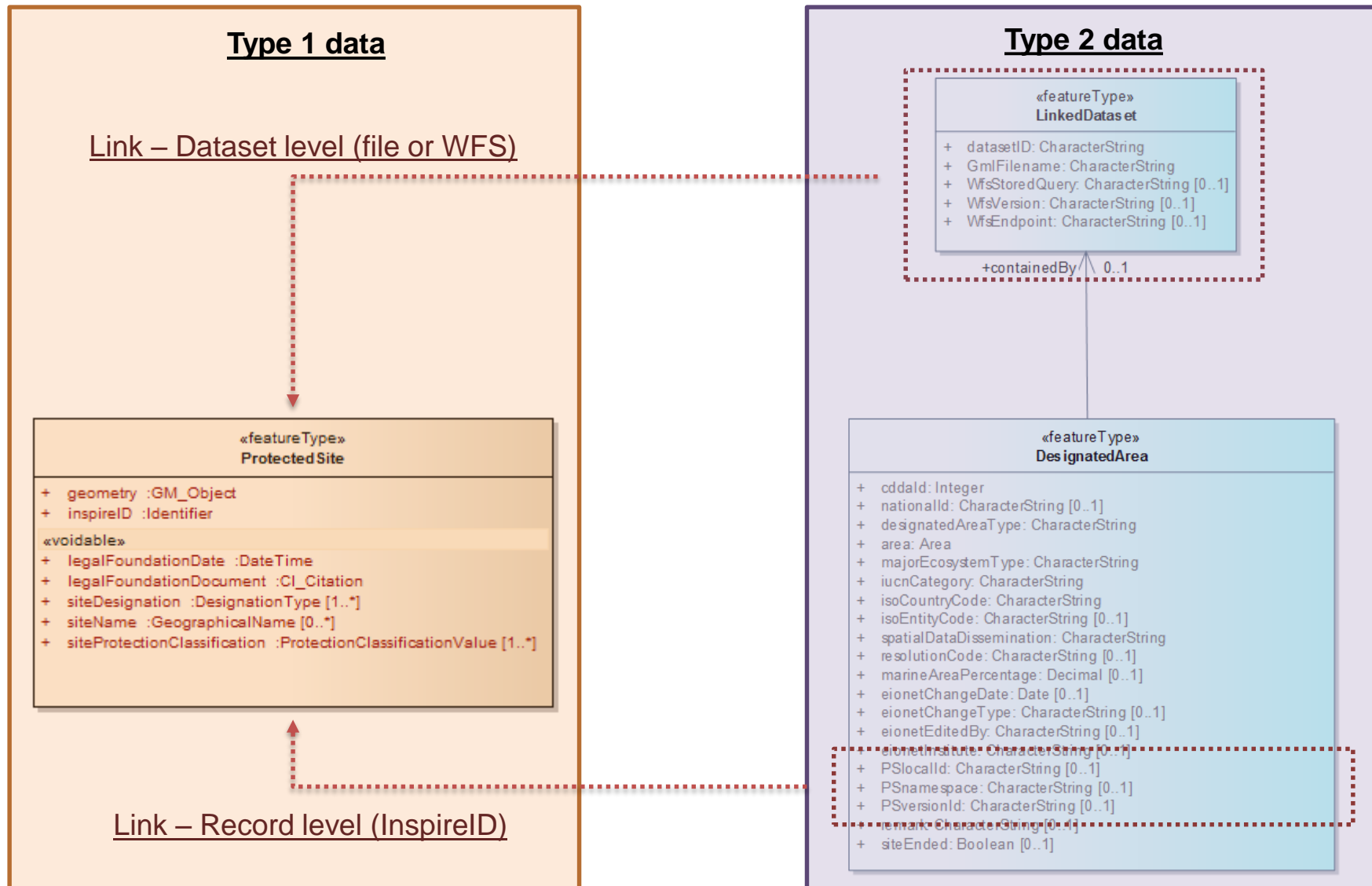
Linked Approach and CDDA 2018

Linked Approach schema

CDDA reporting obligation

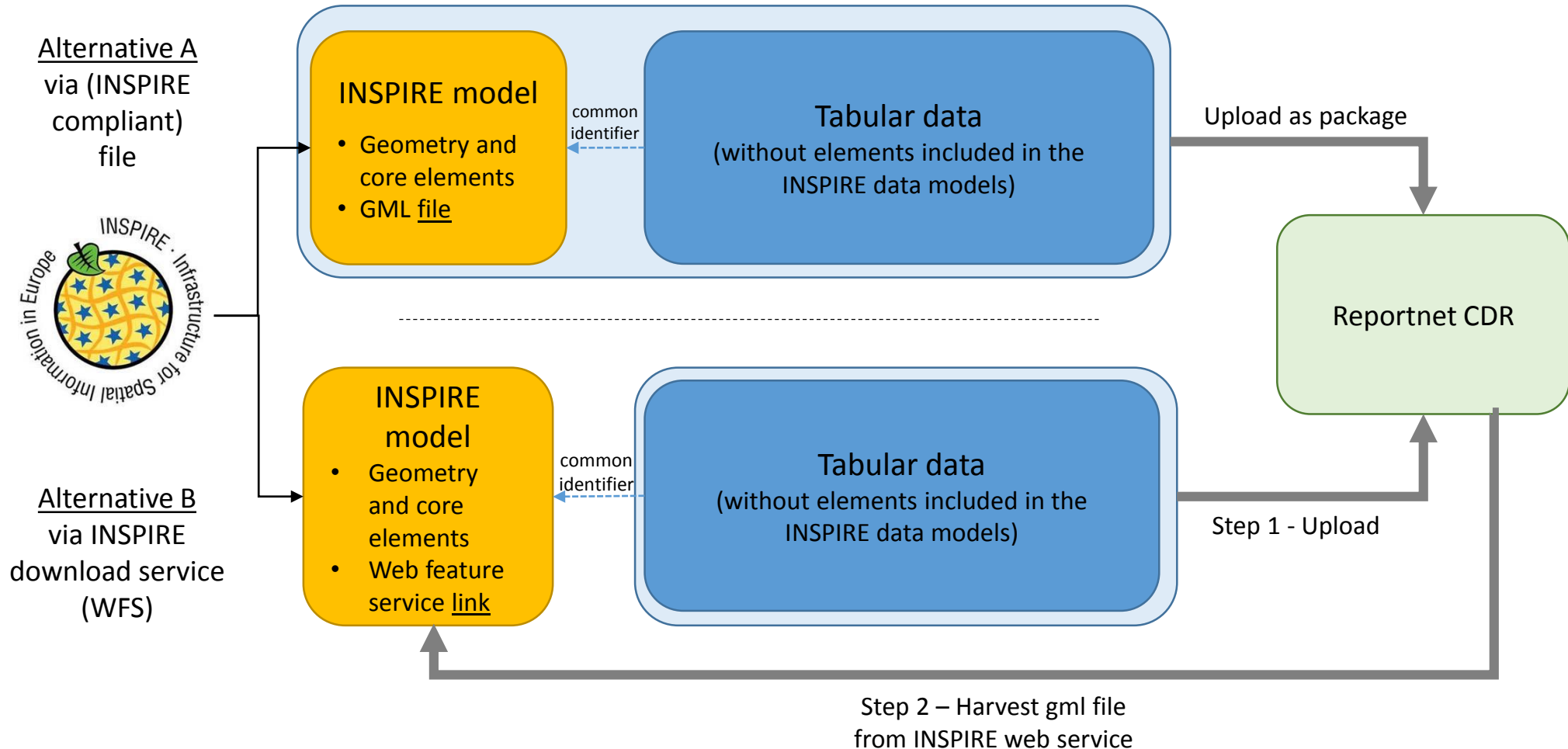


Linked Approach and CDDA 2018



LINKED APPROACH

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

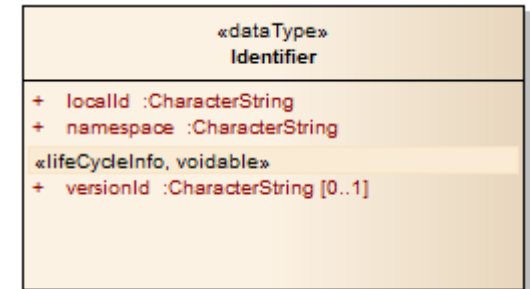


Linked Approach as reporting mechanism

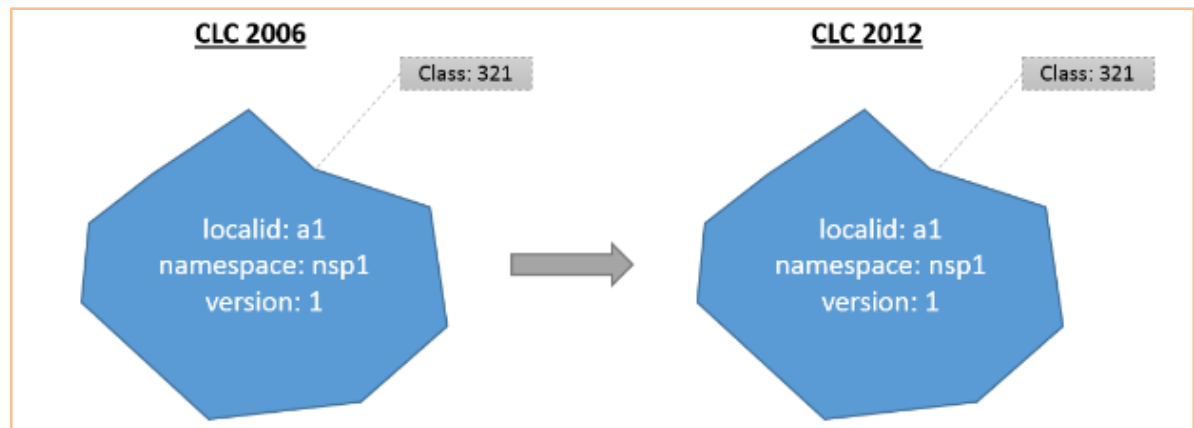
INSPIRE ID for CDDA

Inspire ID is part of INSPIRE data models

- localId
 - The local identifier is unique within the namespace
- namespace
 - Uniquely identifying the data source of the spatial object
 - Owned by the data provider
- versionId (voidable)
 - Version of the spatial object (life-cycle information)



If neither, geometry nor attributes of a CDDA site is changing the Inspire ID should stay the same over the years



INSPIRE ID for CDDA

Inspire ID

- Data providers govern the Inspire ID
- Some countries have own policies for Inspire ID

Suggestion for the structure of the Inspire ID in the CDDA context

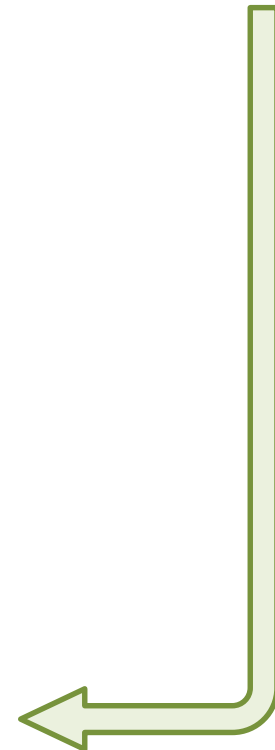
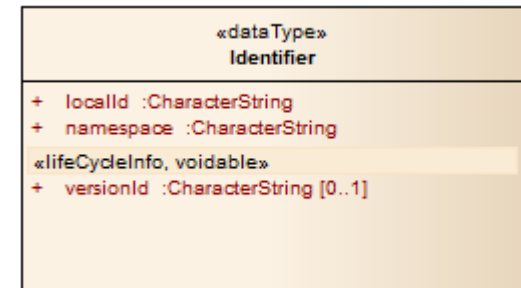
localId

- **CDDA site code**
- e.g. "19142" for Señorío de Bertiz (ES)

Namespace

- **EIONET.ENVIRONMENT.PS.CDDA.{PARENT_ISO}.{ISO3}**
- Suggestion to use ISO 3166-1 alpha-3
- e.g. "EIONET.ENVIRONMENT.PS.CDDA.ESP" or "EIONET.ENVIRONMENT.PS.CDDA.FRA.GUF"

```
<ps:inspireID>
  <base:Identifier>
    <base:localId>19142</base:localId>
    <base:namespace>EIONET.ENVIRONMENT.PS.CDDA.ESP</base:namespace>
  </base:Identifier>
</ps:inspireID>
```



Linked Approach and CDDA 2018

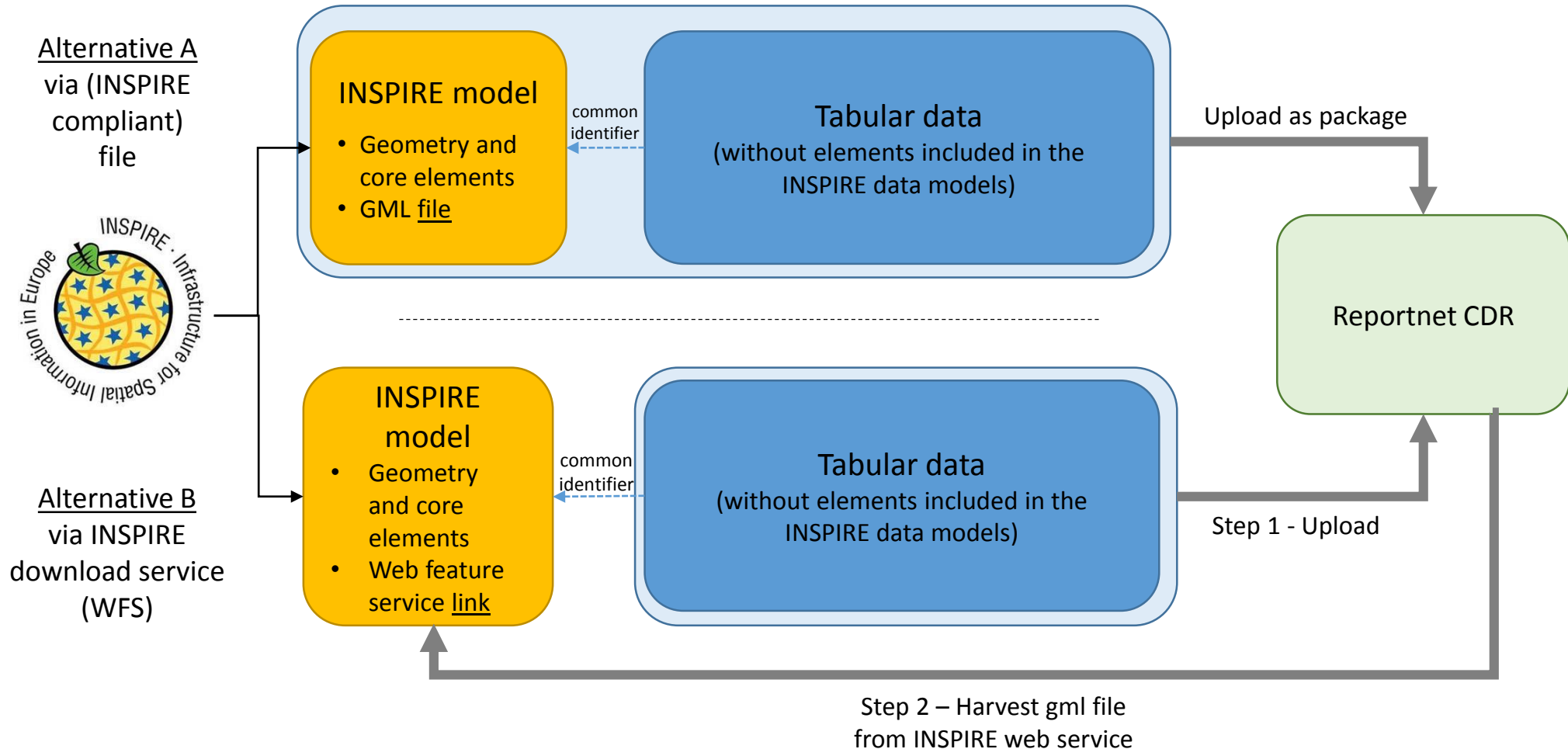
CDDA '18 roadmap

- **April 2017** - Webinar with EIONET NRCs (INSPIRE PS experts are welcome as well)
- **June 2017** – Consultation on the draft reporting guidelines for CDDA & NRC biodiversity workshop at EEA
- **July – September 2017** - Testing phase with interested countries
- **October 2017** - Final reporting guidelines
- **December 2017** - Call for 2018 data collection
- **March 2018 – Reporting deadline for CDDA reporting**
- Additional webinars on request (e.g. on data transformation using HALE)
- Data integration test (different GML encoding versions)
- WFS harvesting tests decoupled from the official reporting



LINKED APPROACH

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



Linked Approach and CDDA 2018

Web service harvesting for reporting

- EEA not ready to accept data from web-services for obligatory reporting right now
 - EEA Reportnet undergoes major update project (→ Reportnet 2.0, 2017-2019)
 - Reporting via web-services is legally/procedurally challenging
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1. Within CDDA '18 we will ask countries to provides us with WFS nodes (in parallel) if available for testing
 2. 2018 EEA will analyze the web-service reporting together with EIONET
 - a) Technical and legal challenges needs to be addressed
 - b) Business case has to be analyzed & implementation plan developed
 - c) INSPIRE requirements as input to Reportnet 2.0 project
 - d) EEA to plan activities to operationalize the conclusions in a development activity
 3. 2020 as target to be ready for web service based reporting for agreed data flows

Thanks

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European Environment Agency