

# CDDA breakout session – 16th June 2017

## Linked Approach & CDDA reporting mechanism



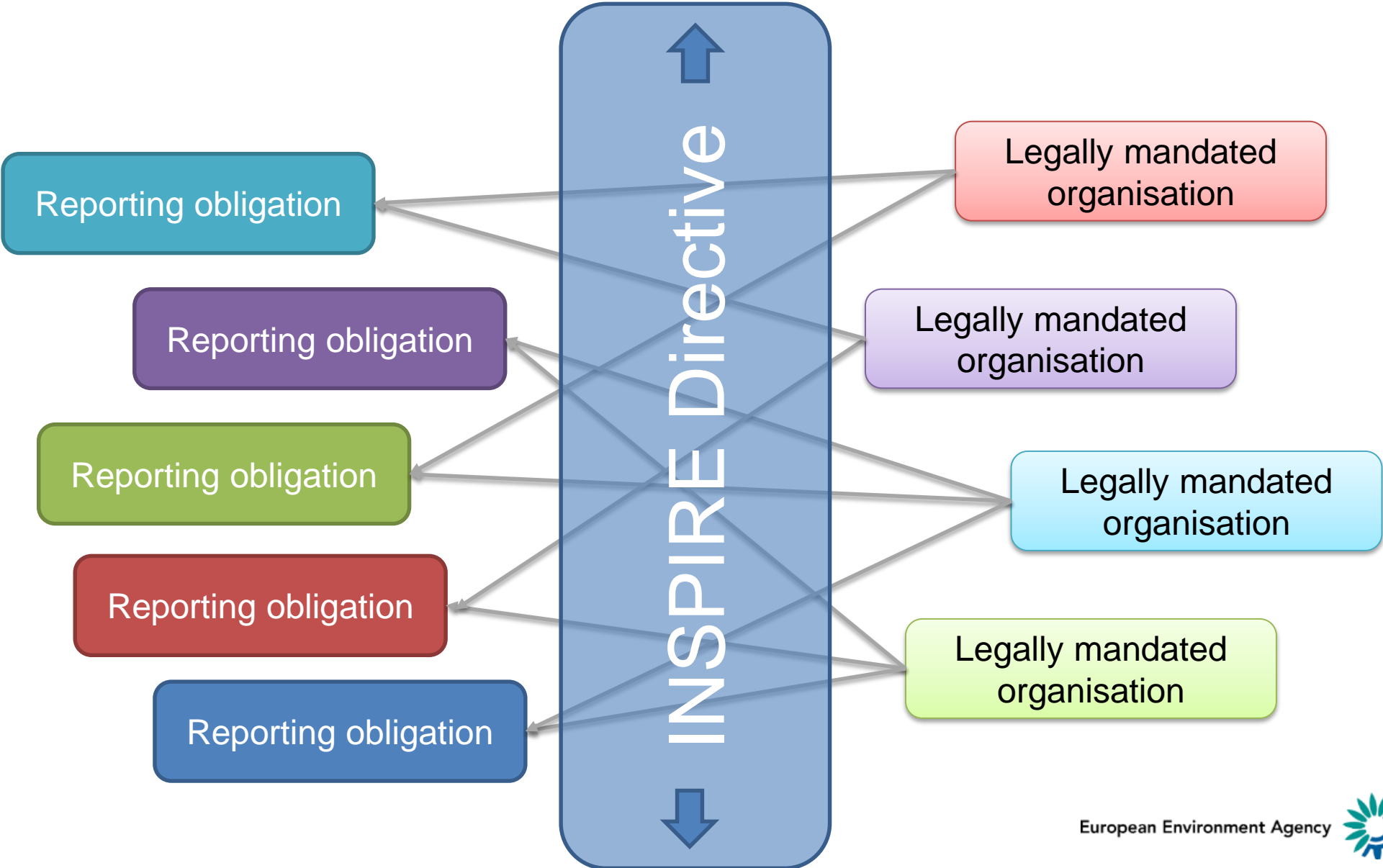
# Generic Linked Approach

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## 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*)

# 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. **CDDA related data via INSPIRE Protected Sites already in Nov. 2017!**
- 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

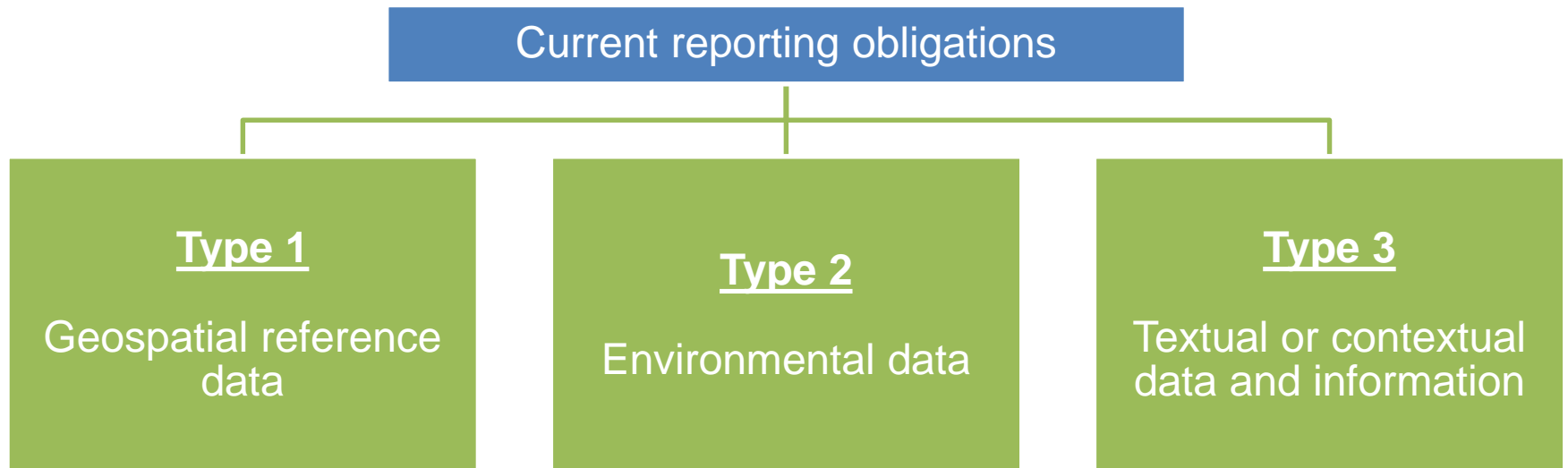
# INSPIRE and Reporting

- 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

# INSPIRE and Reporting

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

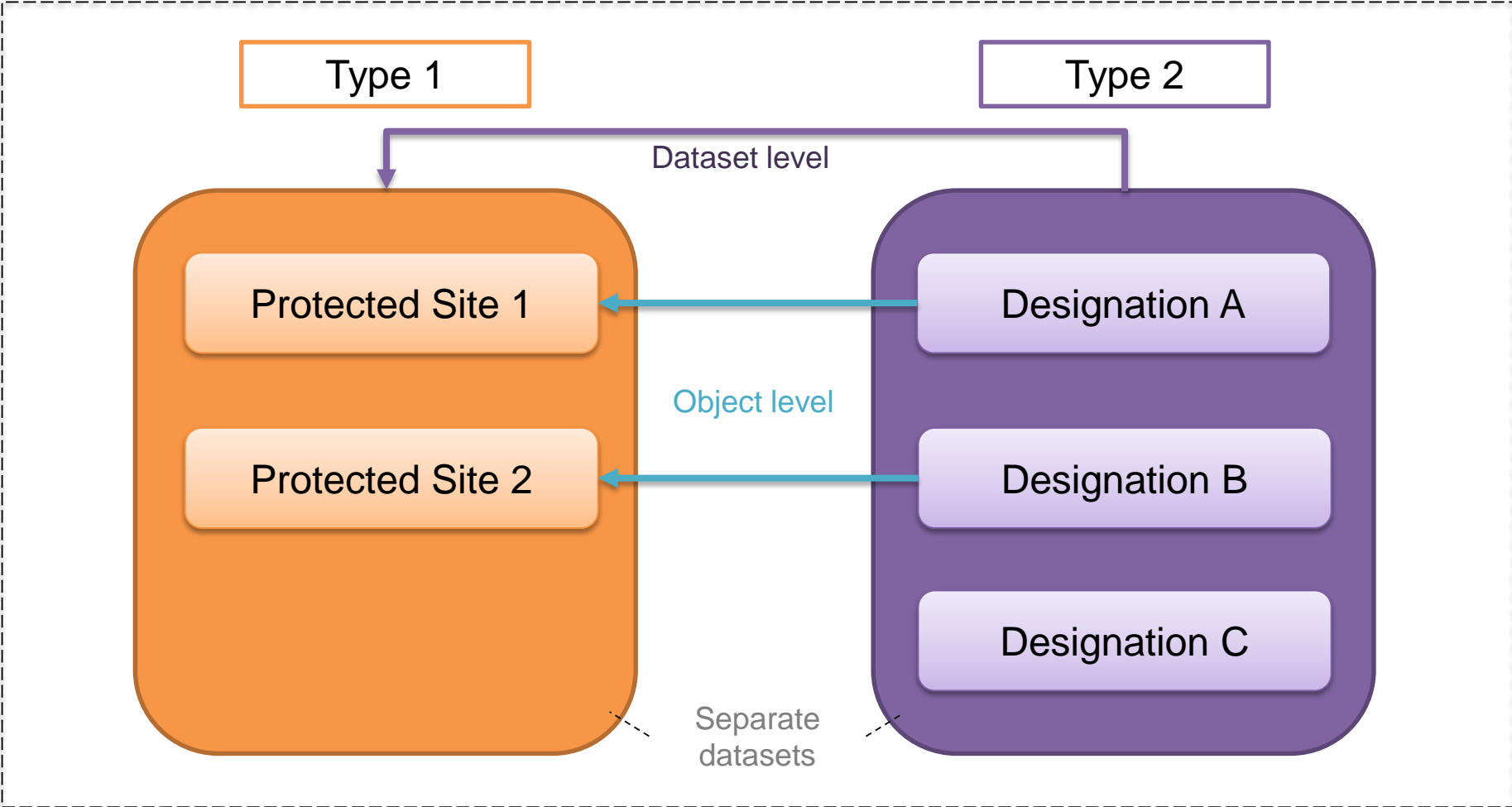
Future



# Linked Approach and CDDA 2018

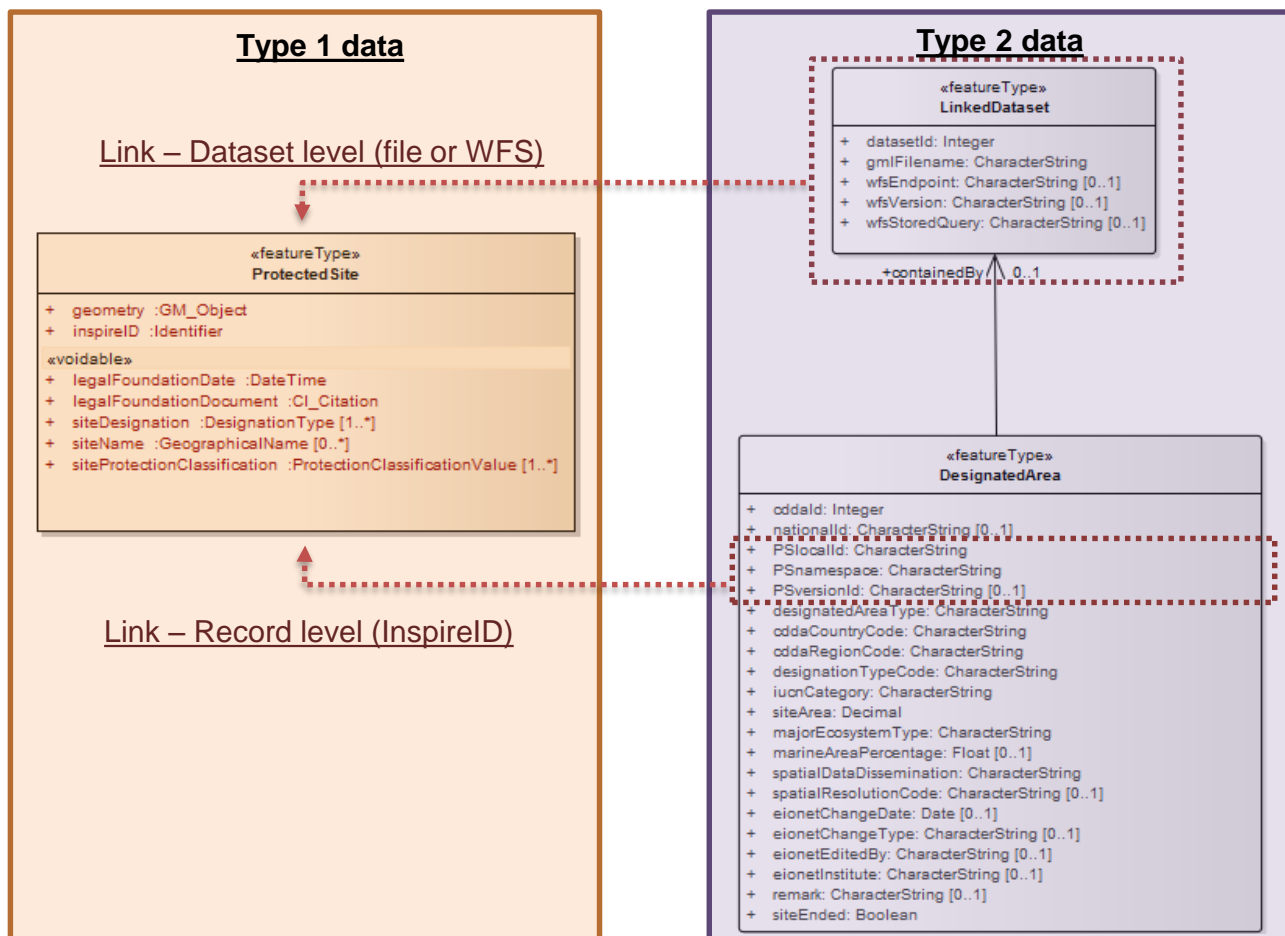
## Linked Approach schema

### CDDA reporting obligation



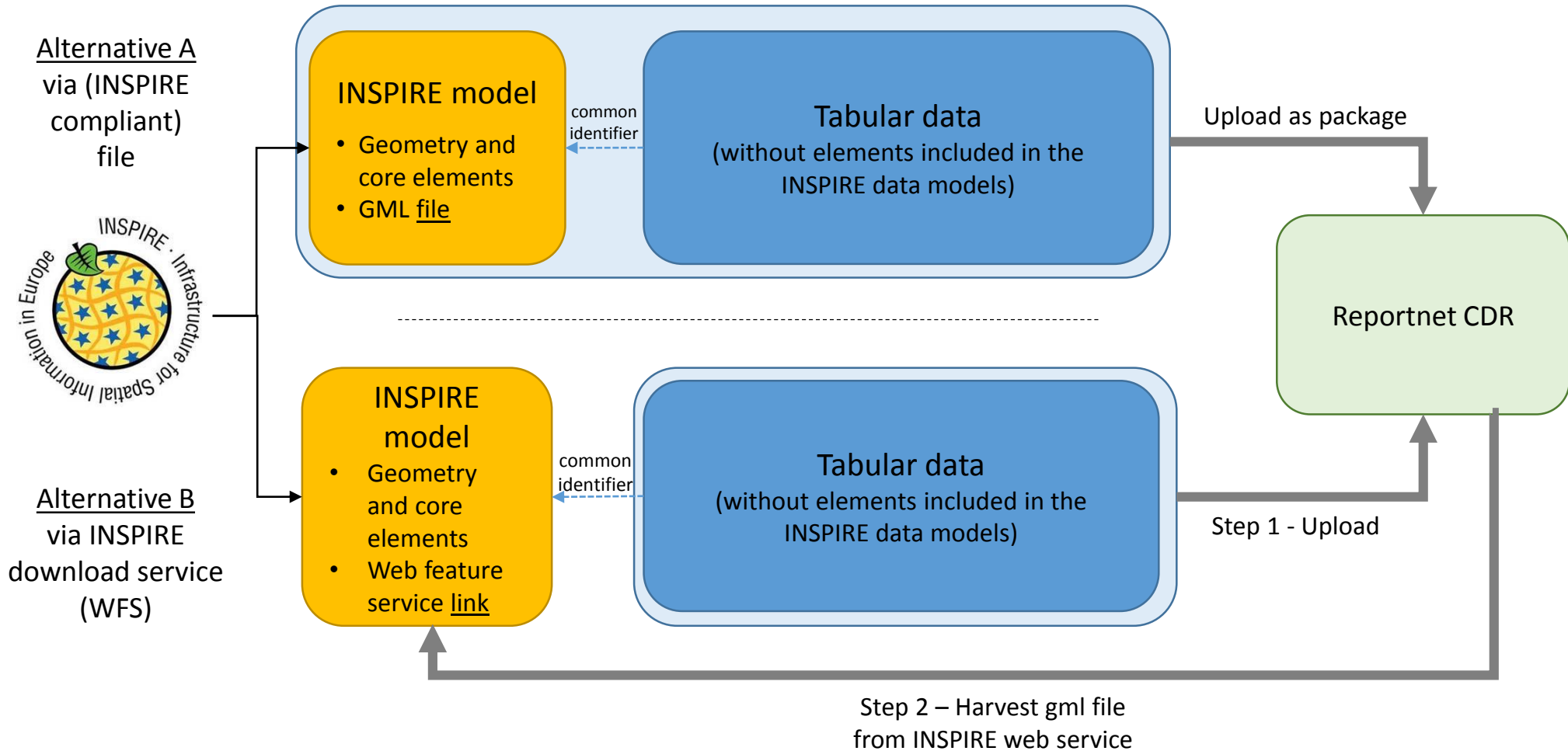


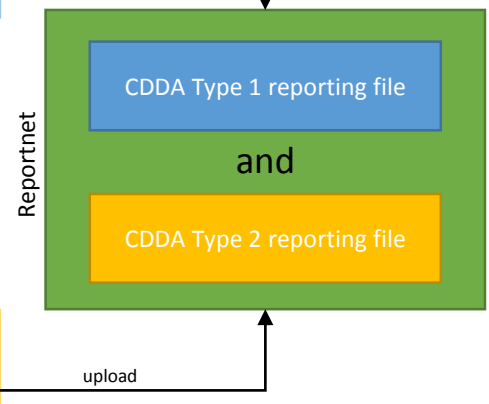
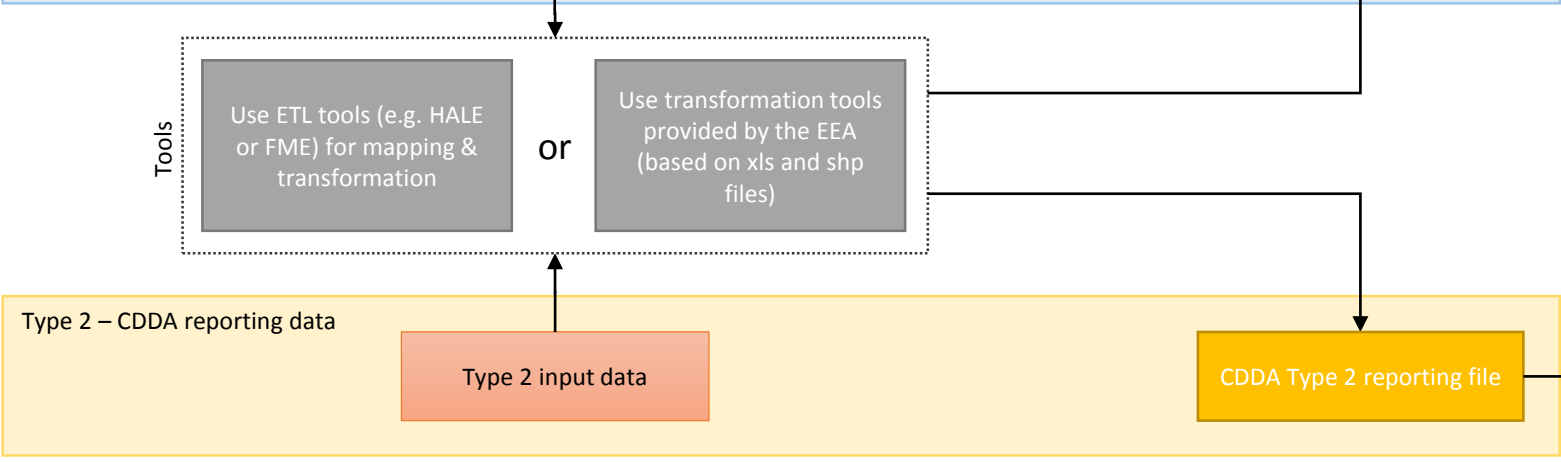
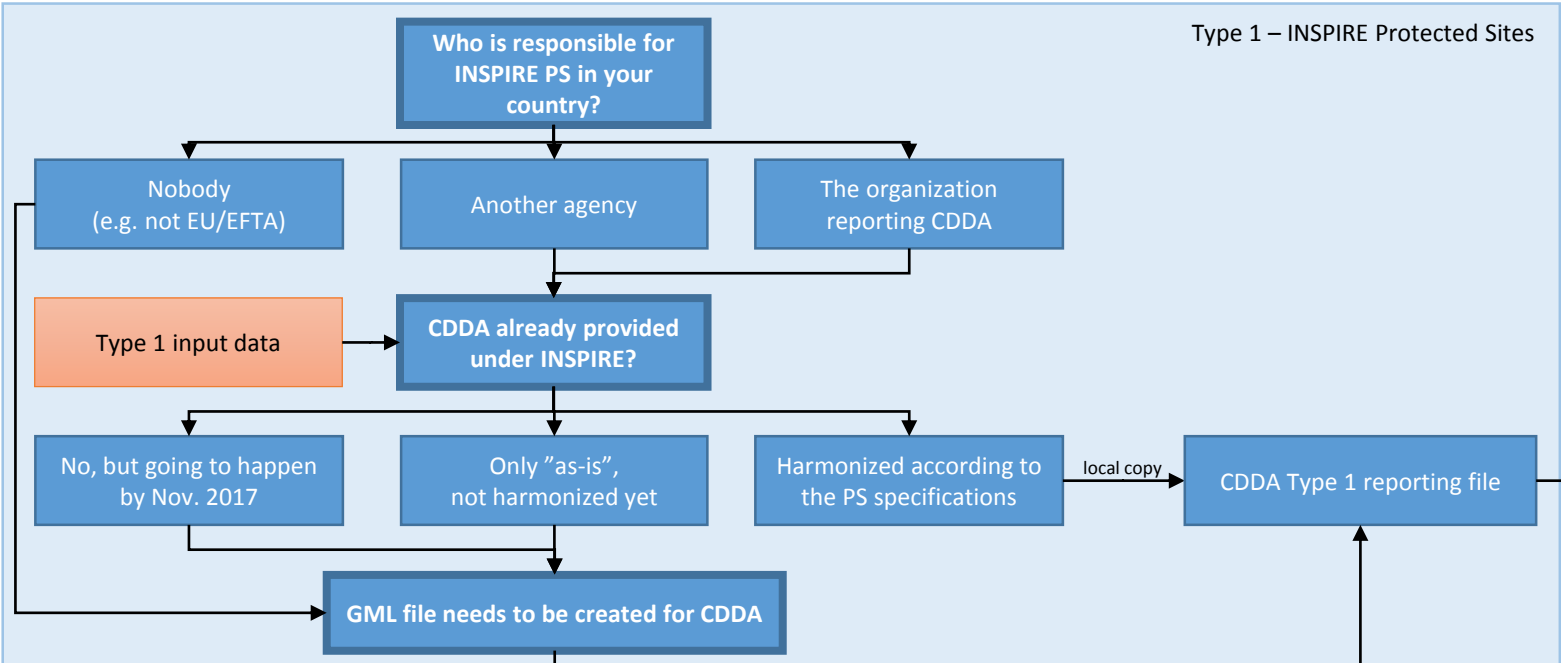
# Linked Approach and CDDA 2018



# LINKED APPROACH

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

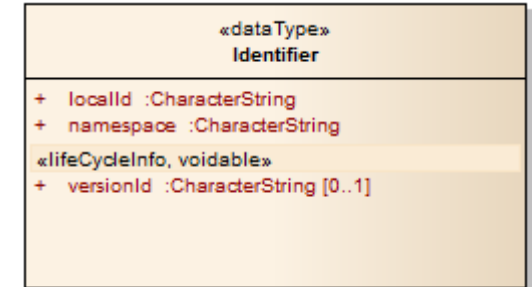




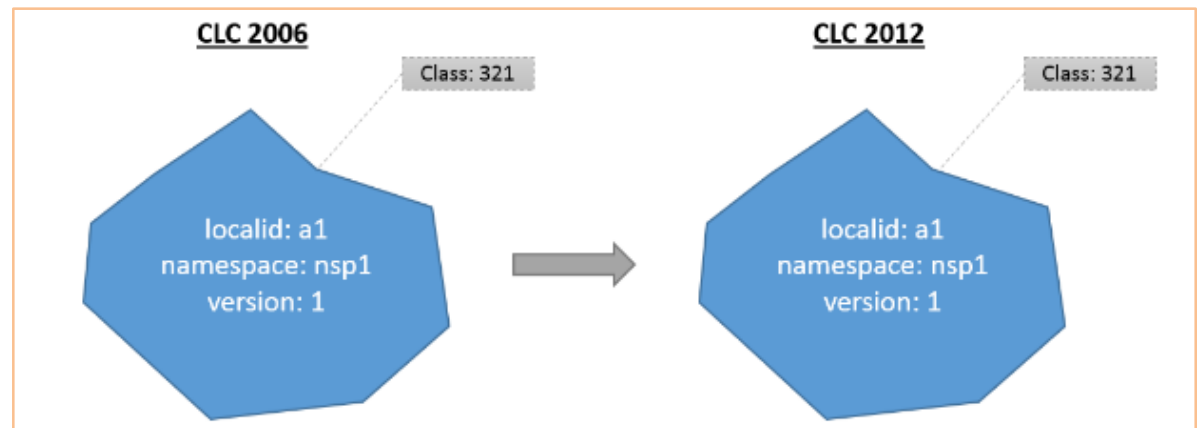
# INSPIRE ID for CDDA

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

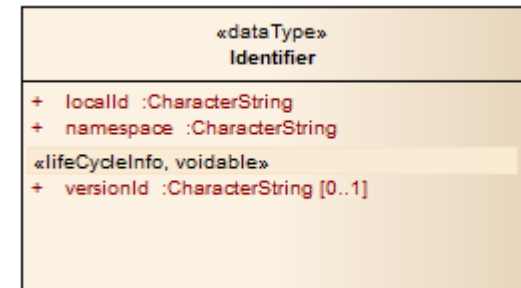
## localId

- **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

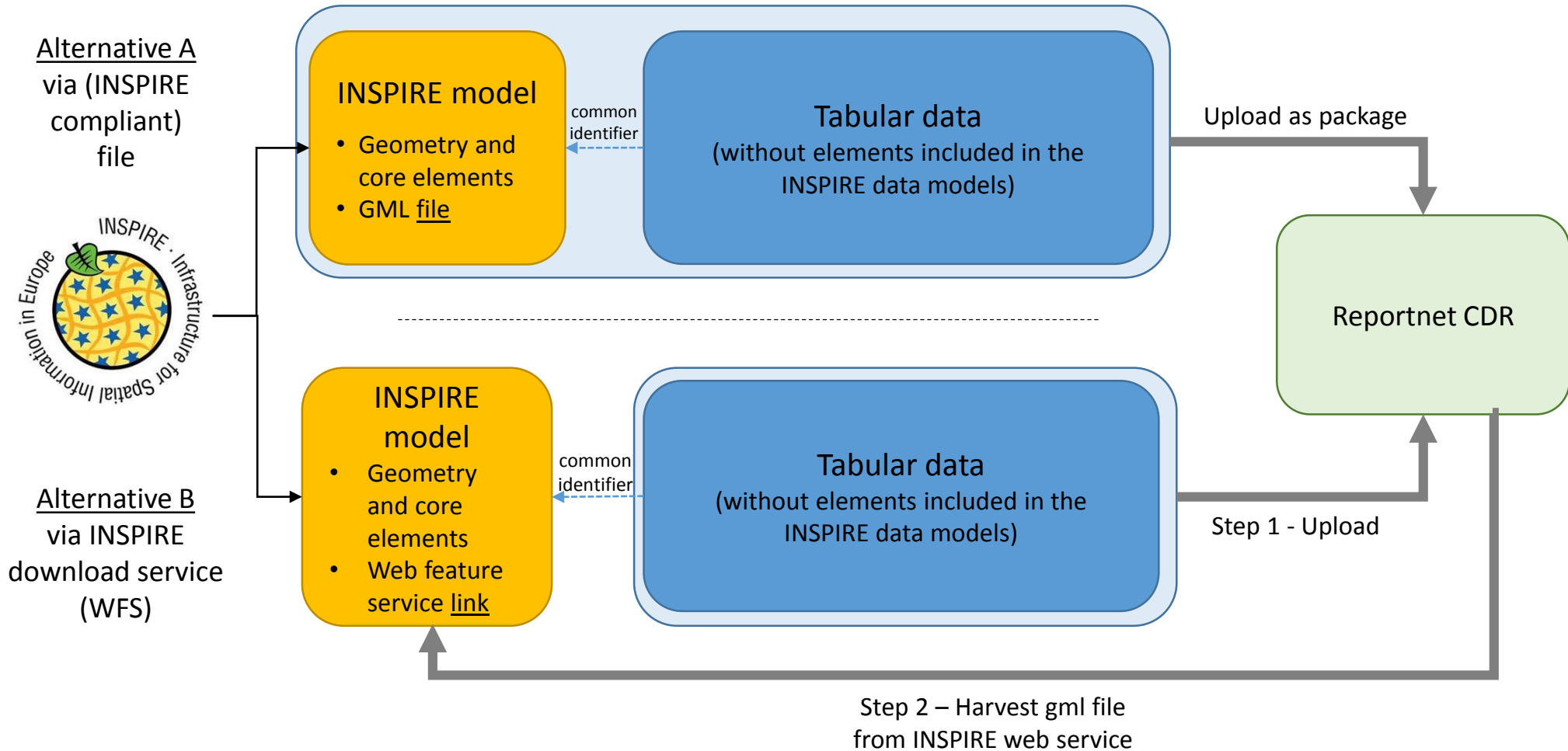
## CDDA '18 roadmap

- **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
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**