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# **Towards an Inspired e-Reporting: the Dutch experiences**

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INSPIRE conference 2017

## The Dutch approach for e-Reporting

- Double transmission of data to the EU of member states should be prevented.
- Single supply is precisely the advantage of member states which they want to achieve with e-Reporting.
- Transparent available environmental data for everybody.

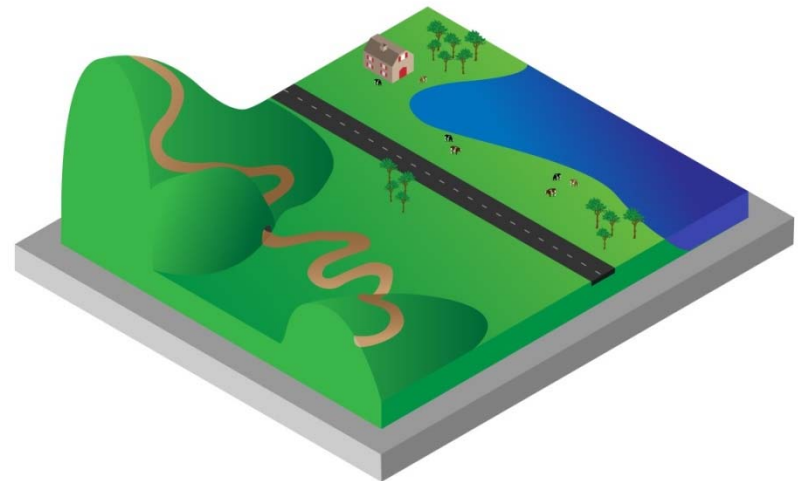


## Environmental directives versus the INSPIRE directive

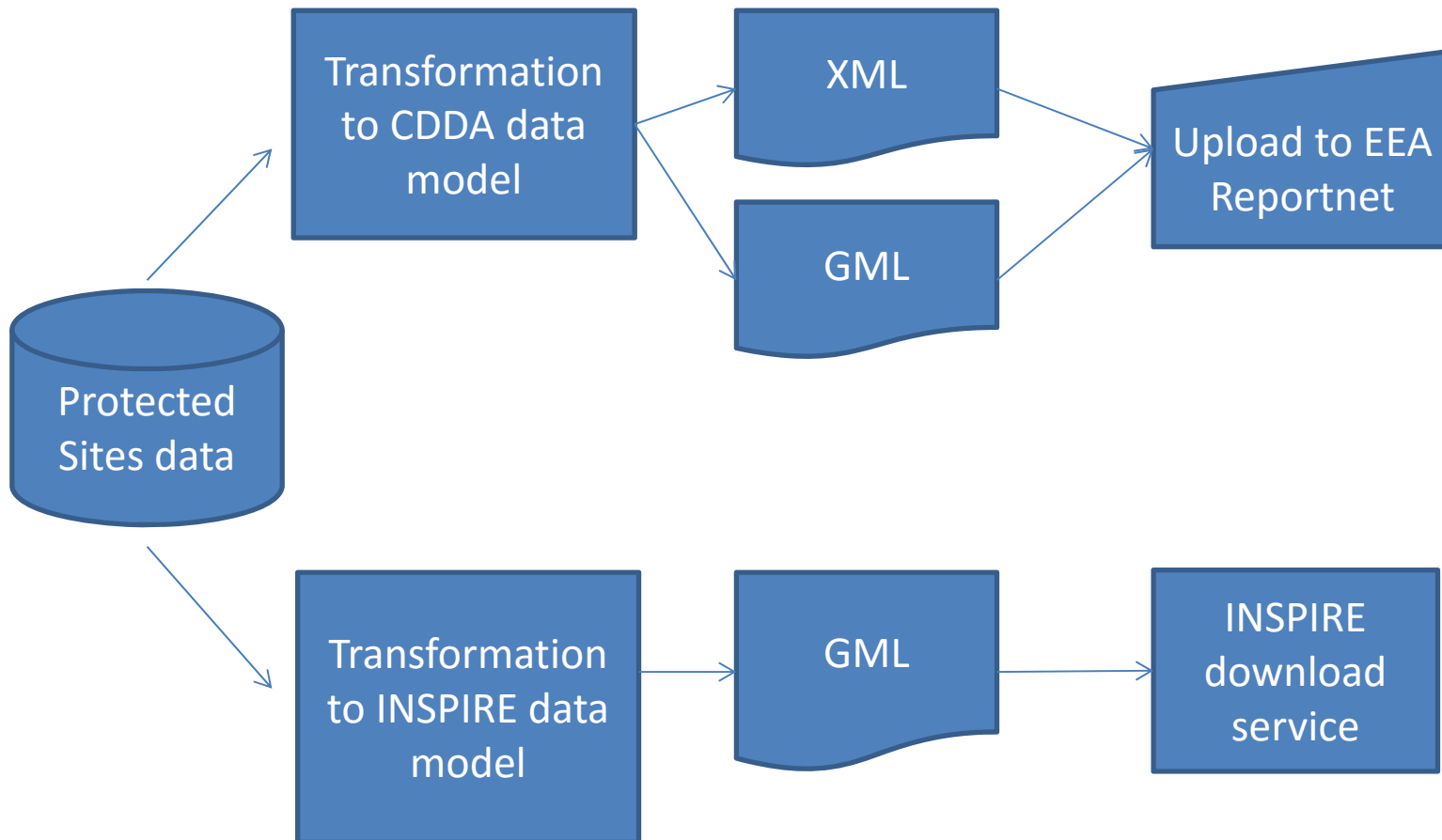
Environmental directives are more important than the INSPIRE directive!

Consequences:

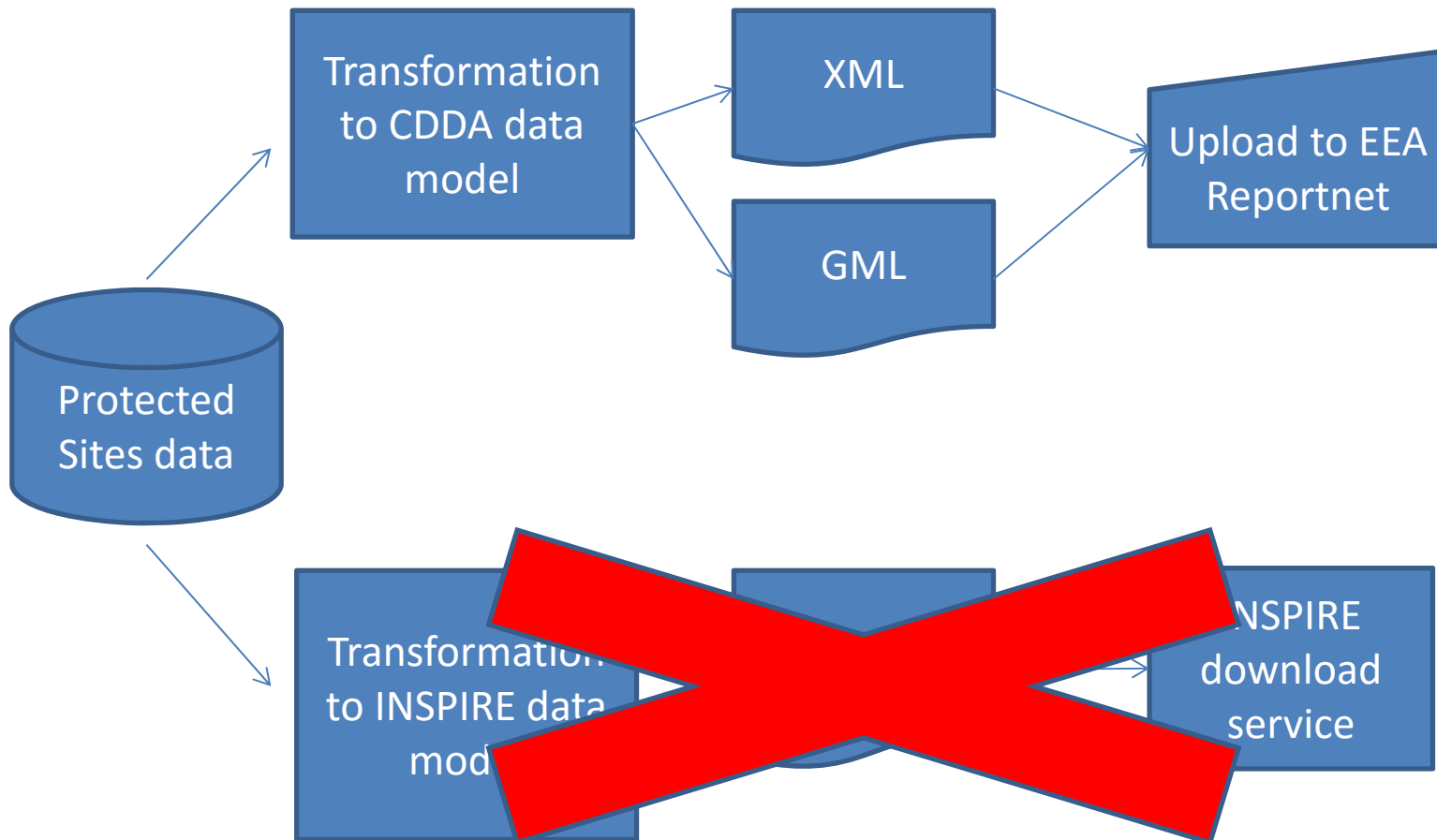
- ONLY the dataflow for the Environmental directives
- NO services for INSPIRE will be developed



## Required situation

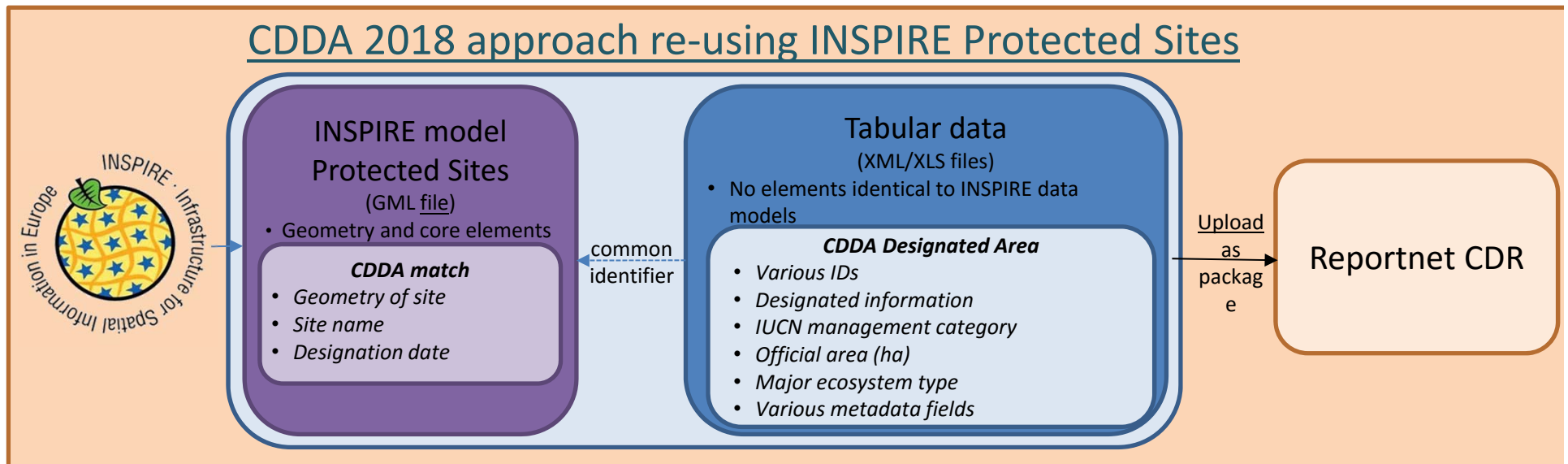


## Current situation



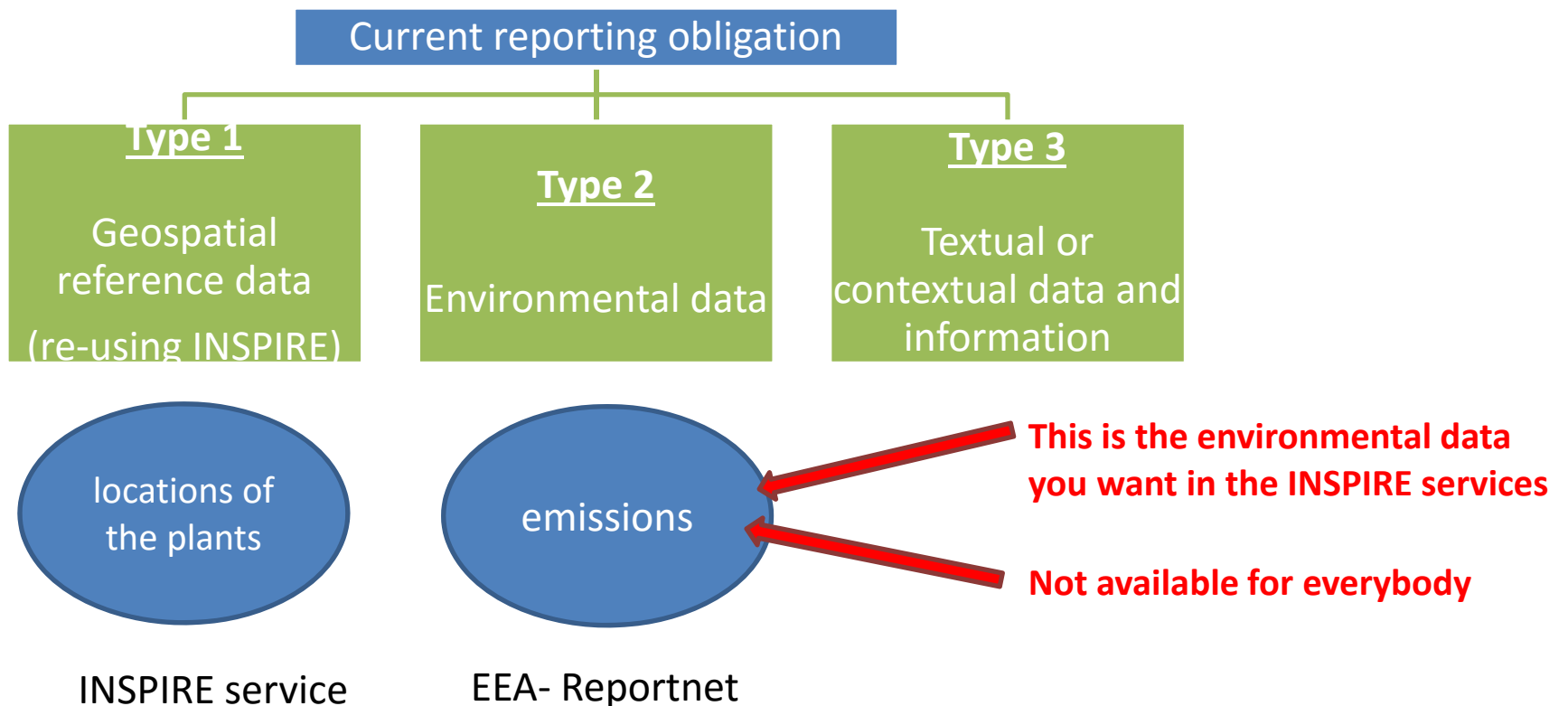
## Current directives

- Common Database on Designated Protected Areas (CDDA):
  - good elaboration of re-using INSPIRE Protected Sites



## Current directives

- Industrial Emissions Directive (IED):



## Activities

- Support evaluating INSPIRE readiness of e-reporting and give recommendations for adaptation reporting flow for the directives: IED, FLOOD, CDDA, E-PRTR+LCP
- Proof of concept e-Reporting tool CDDA
- Organizing a workshop about INSPIRE en e-reporting





## Proof of concept e-Reporting tool CDDA

### Goal

to show e-reporting obligations can be fulfilled easily on the basis of INSPIRE services

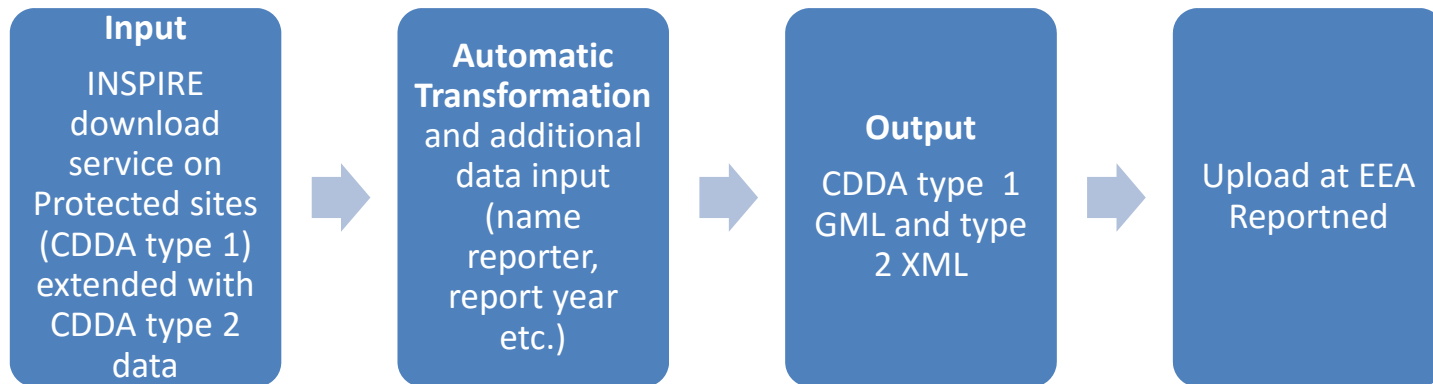
### Developed transformation tool

*(by wetransform)*

- Extensible and configurable cloud tool that:
  - uses extended INSPIRE data and services as a data source,
  - add additional information for example: country, year, organization and name reporter
  - transforms the data sets to e-reporting files GML and XML
  - download the e-reporting files GML and XML to a local machine

e-Reporting files GML and XML can be uploaded to EEA Reportnet by the legally mandated organisation  
(the “official” report obligation)

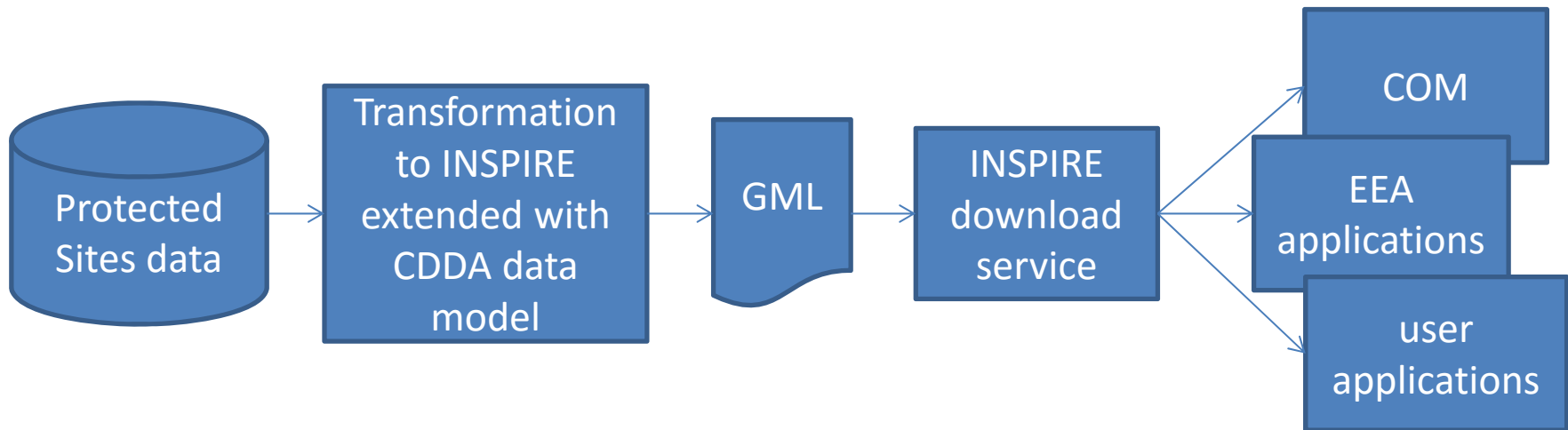
## e-Reporting tool



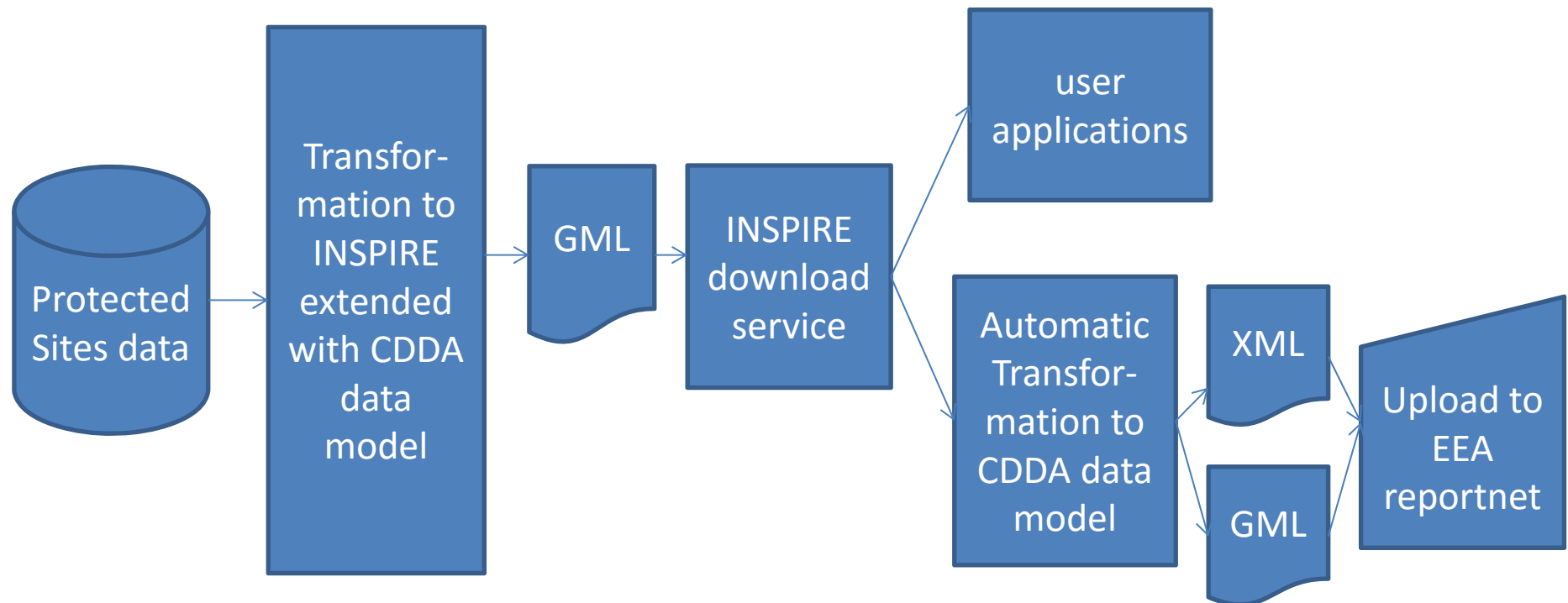
## **Proof of concept e-Reporting tool CDDA**

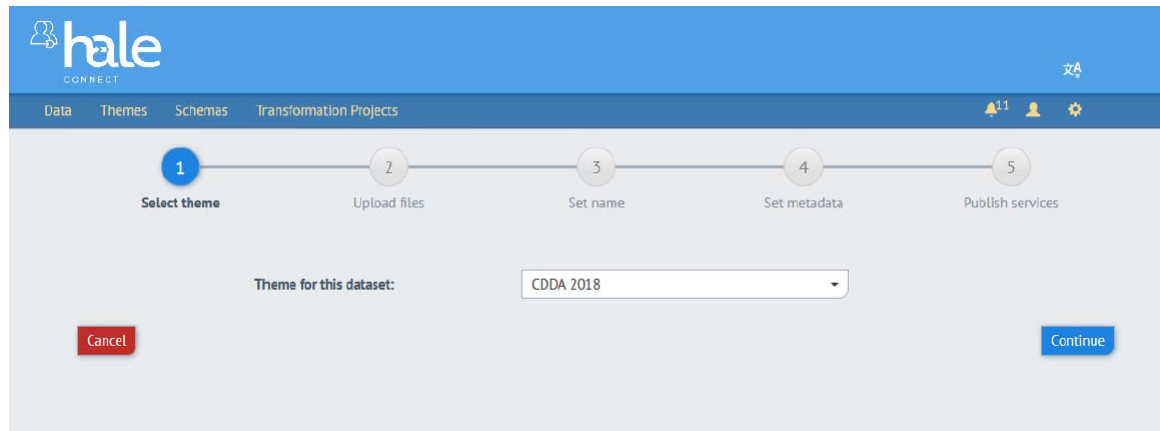
- Uses the extended Protected Sites model with CDDA data model developed by the EEA
- e-Reporting tool available for other member states (contact Geonovum)
- Future:  
to develop this tool for other e-Reporting obligations together with other member states, EEA and COM

## Optimal situation - harvesting

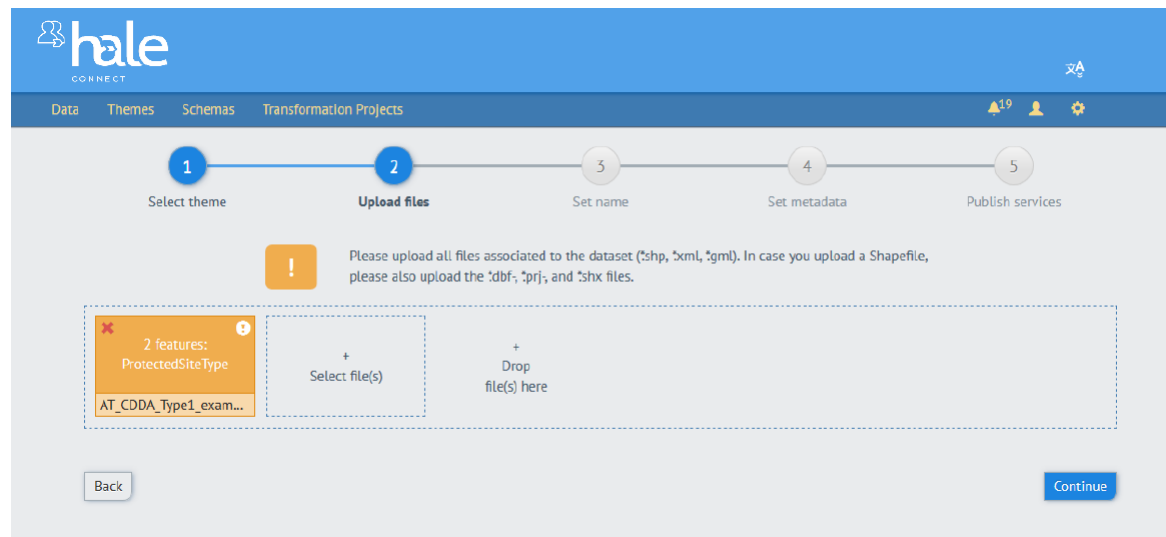


## Hybrid temporal situation – harvesting and automatic transformation by reporter





The screenshot shows the 'hale CONNECT' web application interface. At the top left is the 'hale CONNECT' logo. A navigation bar contains 'Data', 'Themes', 'Schemas', and 'Transformation Projects'. On the right of the navigation bar are a notification bell with '11', a user profile icon, and a settings gear. Below the navigation bar is a progress indicator with five steps: 1. Select theme (highlighted in blue), 2. Upload files, 3. Set name, 4. Set metadata, and 5. Publish services. The main content area shows 'Theme for this dataset:' followed by a dropdown menu currently displaying 'CDDA 2018'. At the bottom left is a red 'Cancel' button, and at the bottom right is a blue 'Continue' button.



**hale**  
CONNECT

Data Themes Schemas Transformation Projects

1 2 3 4 5  
Select theme Upload files Set name Set metadata Publish services

! Please upload all files associated to the dataset (\*.shp, \*.xml, \*.gml). In case you upload a Shapefile, please also upload the \*.dbf, \*.prj, and \*.shx files.

2 features:  
ProtectedSiteType  
AT\_CDDA\_Type1\_exam...

+ Select file(s)

+ Drop file(s) here

Back Continue



Theme details



Veilig | https://www.haleconnect.com/#/theme/ExtendedProtect-1503514851960/transformation



**hale**  
CONNECT

Data Themes Schemas Transformation Projects






### Extended Protected Sites for CDDA Reporting

**Overview** | Feature types | Metadata | View services | Download services | **Transformation** | Automation | Discussion | Tasks | Notes


**Project:** Extended Protected Sites to CDDA Type 2 XML  

**Target Theme:** CDDA Type 2  

**Project variables:**

Name	Value	
eionetChangeDate	<input type="text"/>	
eionetInstitute	<input type="text"/>	
eionetEditedBy	{{user.fullName}}	
datasetId	NL_DesignatedArea	
gmlFilename	result.xml	

**Delete**





Transformation details x

Veilig | https://www.haleconnect.com/#/transformation/org/179/e4e0b663-0719-4d76-80c0-0d6541f0d488/mapping

**hale**  
CONNECT

Data Themes Schemas Transformation Projects

Extended Protected Sites to CDDA Type 2 XML

Overview  
Mapping  
Files 5  
History  
Discussion  
Tasks  
Notes

Delete

Filter by type relation:  
All type relations

Search

**DesignatedArea to DesignatedArea**

DesignatedArea — Retype — DesignatedArea

Parameters	
Structural rena...	false
Allow ignore n...	false

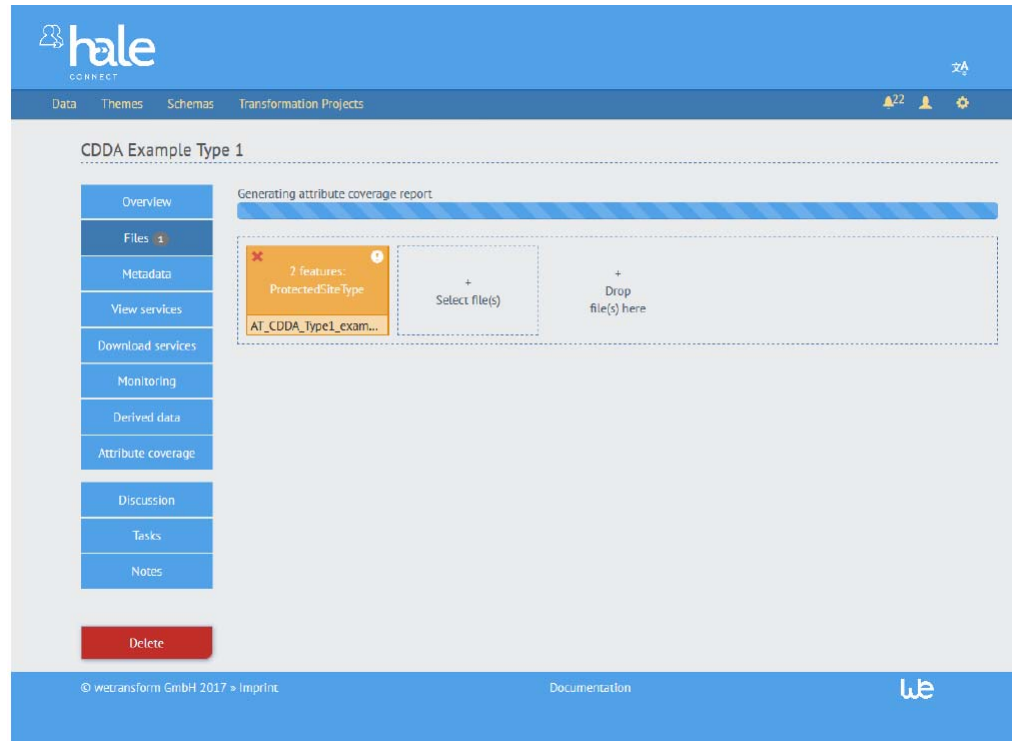
Description Discussion 0 Tasks 0 Notes 0

DesignatedArea — Rename — DesignatedArea

- inspireID
- Identifier
- localId

Parameters	
Structural rena...	false
Allow ignore n...	false

PSlocalId



The screenshot shows the hale CONNECT web interface. At the top, there is a blue header with the hale CONNECT logo and navigation tabs for Data, Themes, Schemas, and Transformation Projects. The main content area is titled "CDDA Example Type 1" and features a sidebar with menu items: Overview, Files (1), Metadata, View services, Download services, Monitoring, Derived data, Attribute coverage, Discussion, Tasks, Notes, and a red Delete button. The main workspace displays a task titled "Generating attribute coverage report" with a progress bar. Below the task, there is a file upload area containing a file card for "AT\_CDDA\_Type1\_exam..." with 2 features of type "ProtectedSite type". The area also includes "Select file(s)" and "Drop file(s) here" options. The footer contains copyright information for wetransform GmbH 2017, a link to Documentation, and the we logo.



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**Thank you for your attention!**

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