



Rijksdienst voor Ondernemend
Nederland

CDDA: One flow of information for protected sites reporting

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Content

- What is CDDA
- Technical Findings
- Change in Mindset
- Use of consistent datasets
- Conclusions



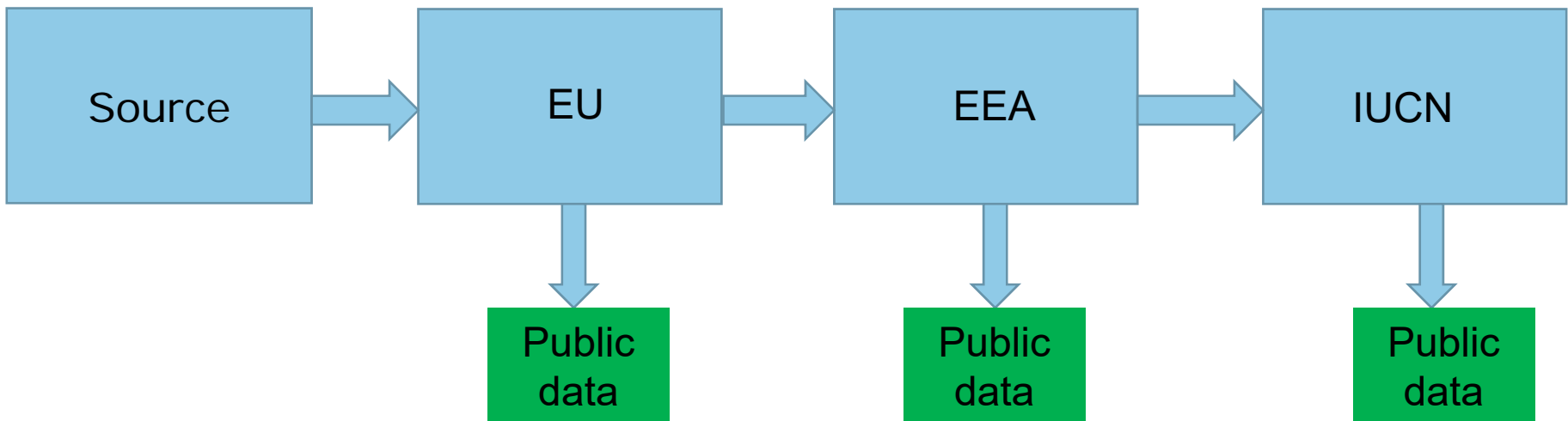
Common Database on Designated Areas

- CDDA is a data bank for officially designated protected areas in Europe like:
 - nature reserves
 - protected landscapes
 - national parks
- Inventory started in 1995
- Database set up in 1999 by EEA (European Environment Agency) and IUCN
- Follows standards of the UN to ensure compatibility with data banks worldwide
- Contributions beyond EU-countries



Workflow data

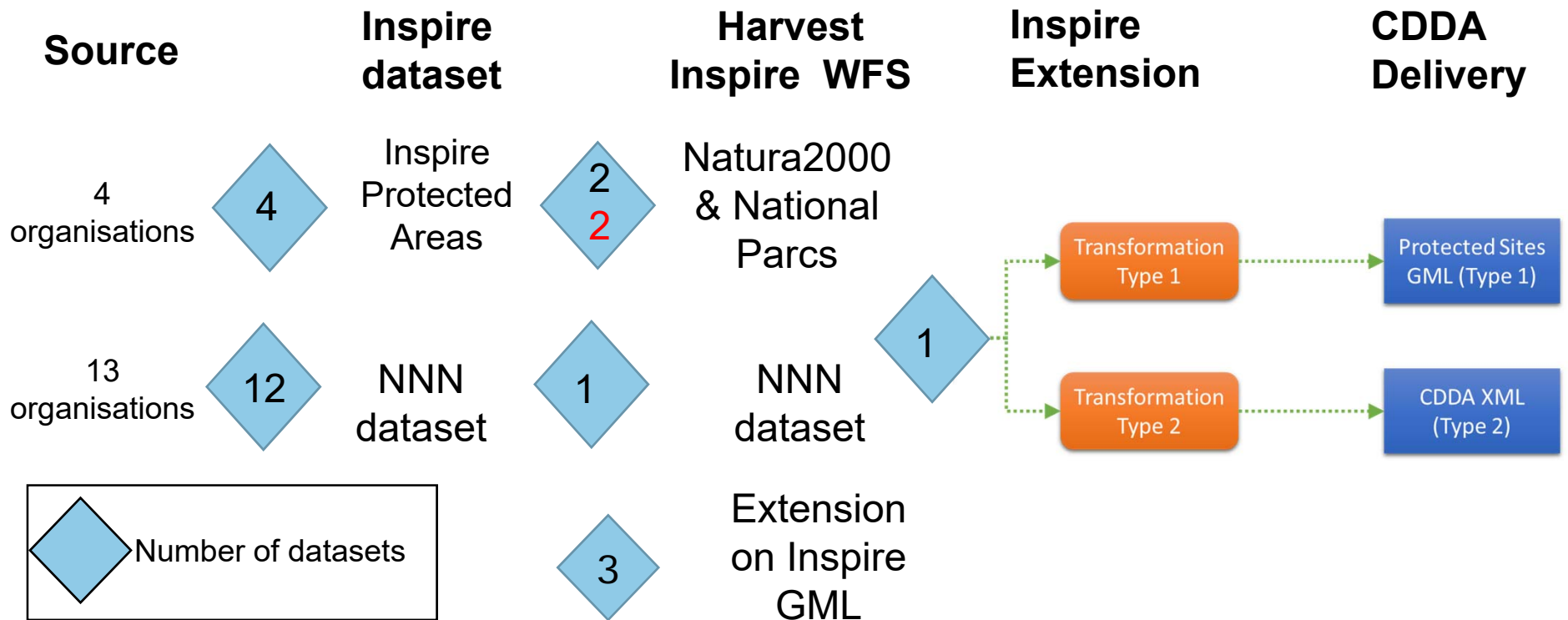
Data flow from Data source in country to
Global public dataset





Working proces

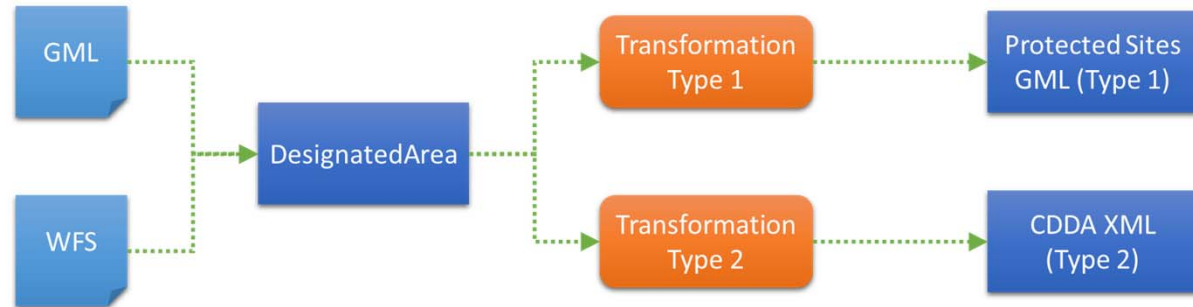
- Using Inspire input datasets





Technical part delivery in Hale

Dataset	Records
Natura2000	160
National Parcs	20
NNN	40.371



- Hale worked technically but number of records for CDDAID not sufficient
- Decision to create 1 NNN multi-polygon
- Multi polygon has Geometry errors and created 40,000 lines in GML

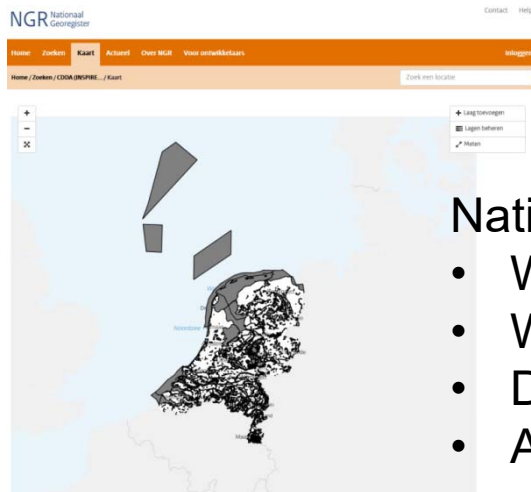


Delivery proces 2018

1. Adjust for new datamodel in 2018
2. Creating a foundation in team to experiment
3. Create a workflow with Hale
 - Mapping Inspire Datasets to CDDA
4. Meetings with Data-Source partners
5. Talking to ministry regarding policy
6. Comparing delivery differences 2017
7. Discuss CDDAID issue with EEA
8. Quality control CDDA & WDPA dataset
9. Prepare delivery 2019

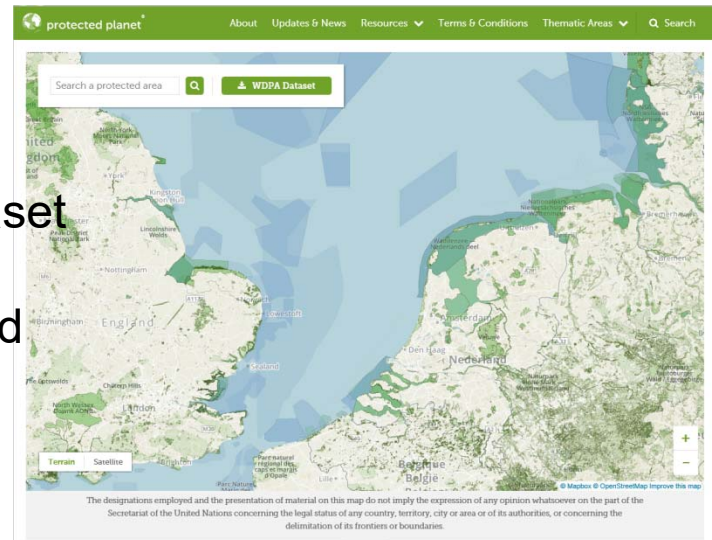


Where can I harvest the data?



National Dataset

- WMS
- WFS
- Download
- API



WDPA Dataset

- WMS
- Download

CDDA (INSPIRE geharmoniseerd)

Download Options -
View Options -
Data set Metadata -

Resource Abstract
In deze dataset is de zogeheten common database of designated areas (cdda) weergegeven. Deze database is onderdeel van de jaarlijkse rapportage vanuit Nederland aan de EEA. De cdda bestaat uit de natura2000 gebieden, de nationale parken en het natuur netwerk nederland.

Lineage
Zie individuele metadata beschrijvingen van de datasets voor de informatie over kwaliteit en herkomst.

Unique Resource Identifier
Code: 18c315a6-7419-42fd-860a-10a48e1f3c21
Namespace:

Spatial Data Theme
Beschermde gebieden

Topic Category
boundaries

Limitations On Public Access
Geen beperkingen
<http://creativecommons.org/publicdomain/mark/1.0/deed.nl>

Geographic Bounding Box

Responsible Party
Organisation name Ministerie van Economische Zaken - GIS Competence Center
E-mail geodatabeheer.giscc@rvo.nl

Inspire Dataset

- WMS
- WFS
- Download

CDDA Dataset

- Download

Nationally designated areas (CDDA)

Data — Prod-ID: DAT-26-en — Created 23 Aug 2017 — Published 13 Sep 2017 — Last modified 30 Oct 2017 — 9 min read

Topics: [Biodiversity](#) — [Ecosystems](#) — [Land use](#)

The European inventory of nationally designated areas holds information about protected areas and the national legislative instruments, which directly or indirectly create protected areas.

[European data](#) [GIS data](#) [Additional information](#) [Metadata](#)

GIS data
The features are checked against OGC simple feature specifications rules with GEOS 3.5.0. libraries.

- CDDA v15 Shapefile
Download file
- CDDA v15 Spatialite
Download file



CDDA Delivery in 2019 Keypoints for NL

- Transformation of data from EPSG 28992 to EPSG 3035 needs to be recorded in metadata
- Number of CDDAID's needs to be sufficient to match number of records
- Stricter QC for mandatory fields and Identifiers will be applied
- Need to develop feedback mechanism regarding findings in WDPA dataset



Findings Technology

- Harvesting WFS through Hale is feasible
- Hale produces Inspire Extension to EEA
- CDDAID records need to be available to create InspireID-records
- Geometry validation in ESRI-suite differs from GML
- Transformation parameters need to be described



Findings Change in Mindset

- Communication to Data-source partners is key and time-consuming
- Data source partners need a clear deadline (and some extra time)
- Netherlands Enterprise Agency open for new way of delivering through Inspire Extension



Findings use of Consistent Datasets

- Takes more effort first time
- In long run takes less time
- Changing datamodel requires to redevelop the workflow
- Data is public but with different timestamp:
 - Country → regular basis
 - Inspire → Within 6 months after update country
 - CDDA → Report after end of year
 - WDPA → Once a year based on CDDA



Overall conclusions

- Most time is spent on communication
- Using Inspire datasets ensures consistent delivery
- Using Hale helps in documenting, delivery for next year
- When using Inspire Datasets QC remains important
- For public/re-use proper Metadata is key



Questions?

Inspired to make it work?!



Resources used

- <http://inspire-geoportal.ec.europa.eu/discovery/>
- <http://nationaalgeoregister.nl/geonetwork/srv/dut/catalog.search#/map>
- <https://www.iucn.org/theme/protected-areas/our-work/quality-and-effectiveness/world-database-protected-areas-wdpa>
- <https://www.pdok.nl/>



Hale Software

The screenshot displays the Hale Connect web application interface. At the top, there is a blue header with the Hale logo and navigation links for Data, Themes, Schemas, and Transformation Projects. Below the header, the main content area is titled "Extended Protected Sites for CDDA Reporting". A sidebar on the left contains navigation options: Overview, Feature types, Metadata, View services, Download services, Transformation, Automation, Discussion, Tasks, Notes, and a Delete button. The main content area features a toggle switch for "Show project variable editor on dataset creation" which is currently turned on. Below this, there are two configuration cards. The first card shows a Project named "Extended Protected Sites to CDDA Type 2 XML" and a Target Theme of "CDDA Type 2", with 5 project variables. The second card shows a Project named "Extended Protected Sites to CDDA Type 1 GML" and a Target Theme of "Protected Sites / CDDA Type 1", with 0 project variables. At the bottom of the configuration area, there is a blue button labeled "Add new transformation configuration" and a chat icon in the bottom right corner.