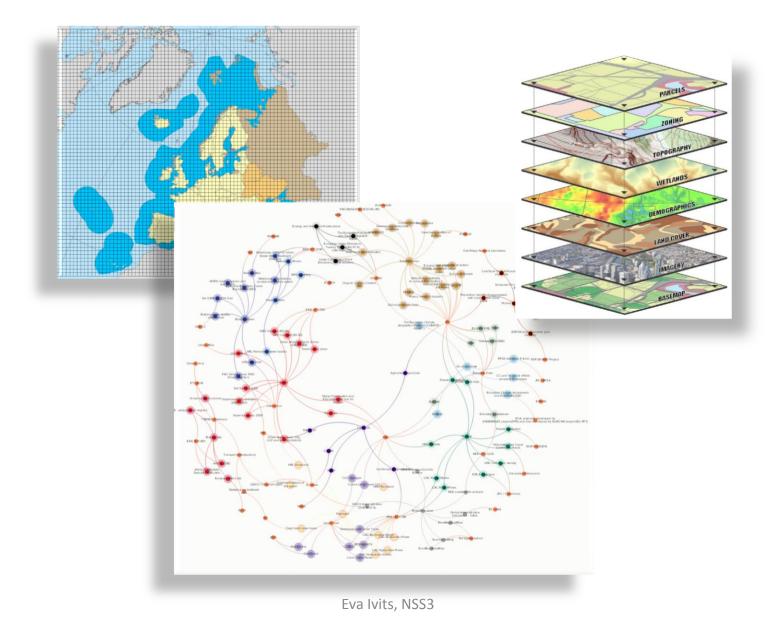
Integrated Data Platform



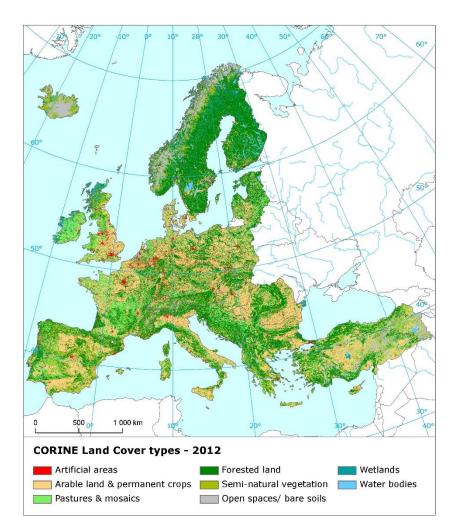
Integrated Data Platform Background

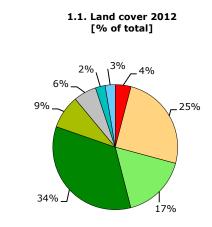
EEA cross cutting project (1.8.1):

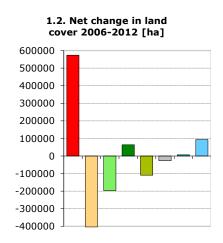
- to **support integrated assessment** of **spatial** environmental data.
- MAWP, SA.1: "....<u>support assessments across the policy cycle for the themes and sectors</u> of most relevance for achieving environmental policy implementation and effectiveness <u>analysis at different</u> <u>geographical scales</u>."
- MAWP, SA 1.8:
- -"...to inform on the status of land and trends..."
- "...to produce geo-spatial datasets, methodologies, and assessments,..."
- -"...to assess environmental problems and issues from a spatial and territorial perspective..."
- -"...to deliver further integrated analysis of the main drivers..."

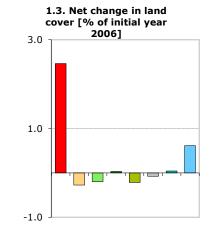
-"...to maintain and develop the European integrated data platform for spatial and thematic assessments in operative partnership with key actors (EC services, Copernicus, ESPON, etc.)"

Integrated Data Platform Integrated accounting



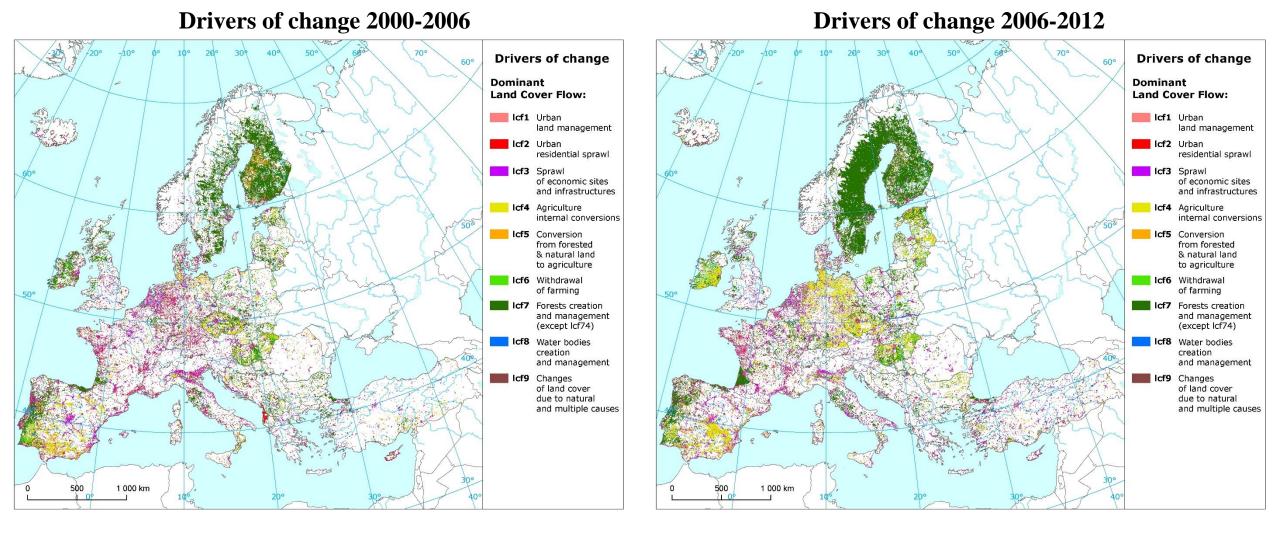




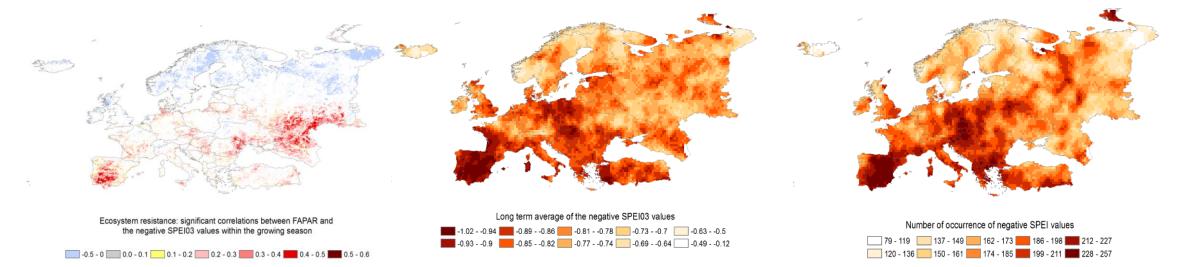


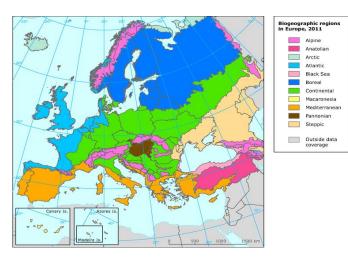
	Artificial areas	Arable land & permanent crops	Pastures & mosaics	Forested land	Semi-natural vegetation	Open spaces/ bare soils	Wetlands	Water bodies	TOTAL [hundreds ha]
Land cover 2006	232872	1475722	987066	2011348	507477	346878	147774	151704	5860842
Consumption of initial LC	2543.6	9941.7	5672.4	69775.7	2183.5	2182.3	212.5	346.3	92858
Formation of new LC	8281.5	5903.6	3708.2	70406.3	1091.4	1914.4	273.7	1278.8	92858
Net Formation of LC	5737.9	-4038.1	-1964.2	630.7	-1092.1	-267.9	61.2	932.5	0
Net formation as % of initial year	2.5	-0.3	-0.2	0.0	-0.2	-0.1	0.0	0.6	
Total turnover of LC	10825.1	15845.3	9380.6	#####	3275.0	4096.7	486.2	1625.0	185716
Total turnover as % of initial year	4.6	1.1	1.0	7.0	0.6	1.2	0.3	1.1	3.2
Land cover 2012	238610	1471684	985102	2011979	506385	346610	147835	152637	5860842

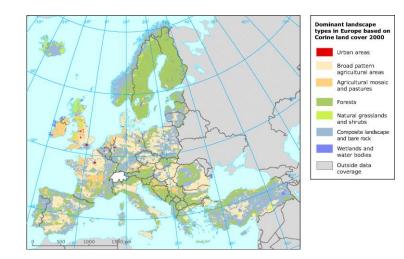
Integrated Data Platform Integrated accounting



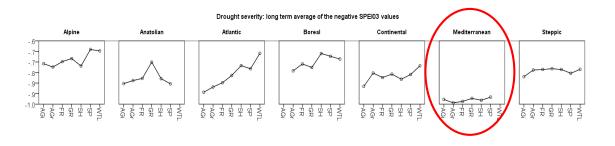
Integrated Data Platform Integrated assessments

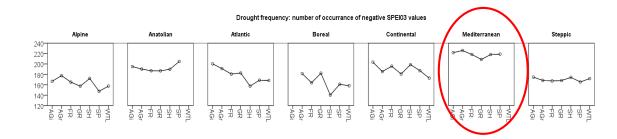


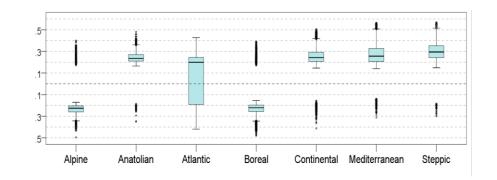




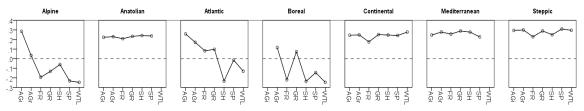
Integrated Data Platform Integrated assessments

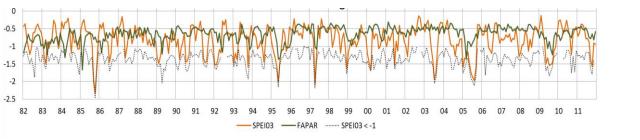


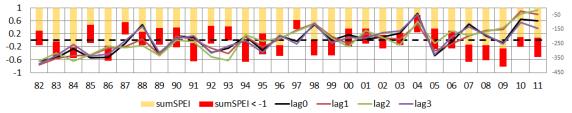


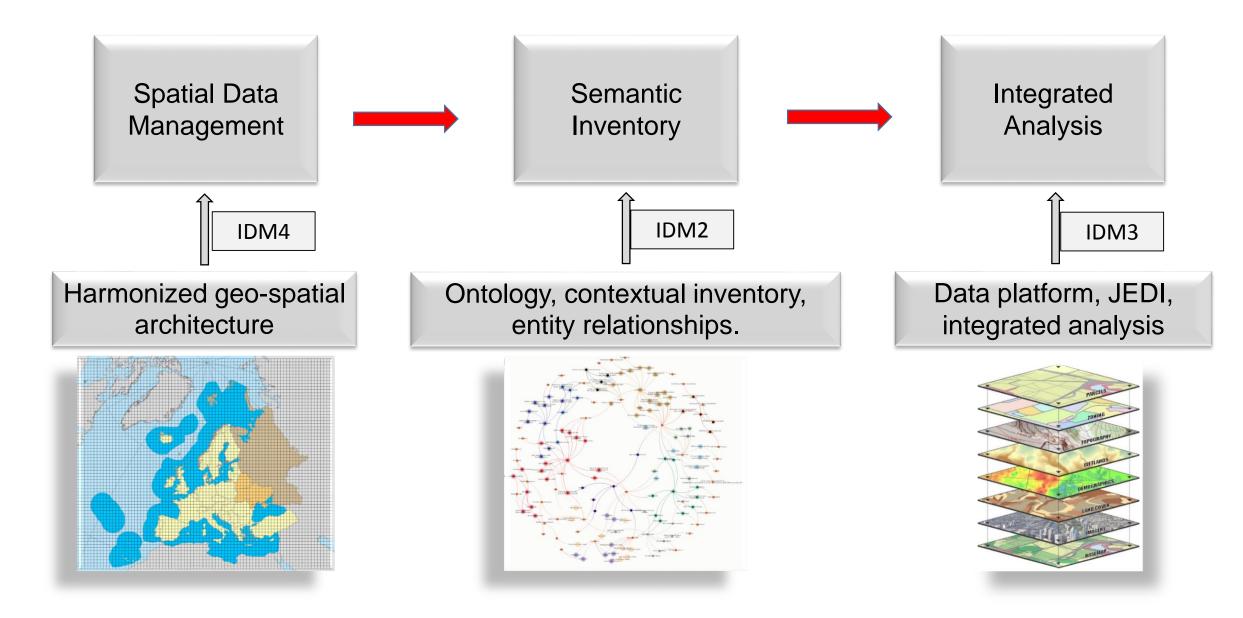


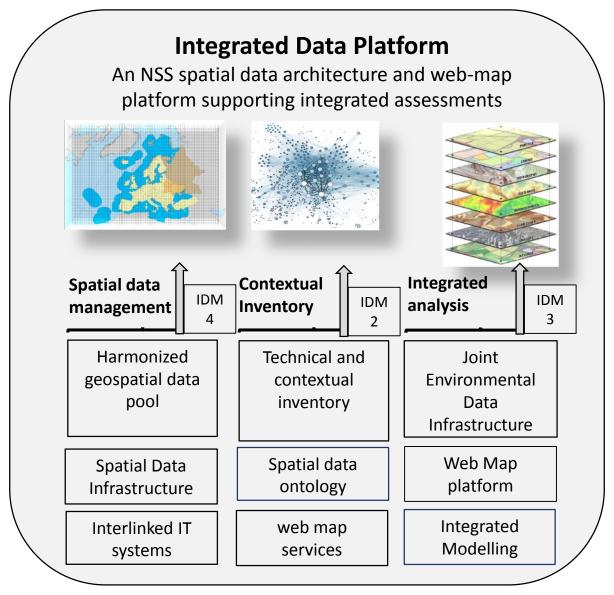
Significant correlations between FAPAR and negative SPEI03 within the growing season







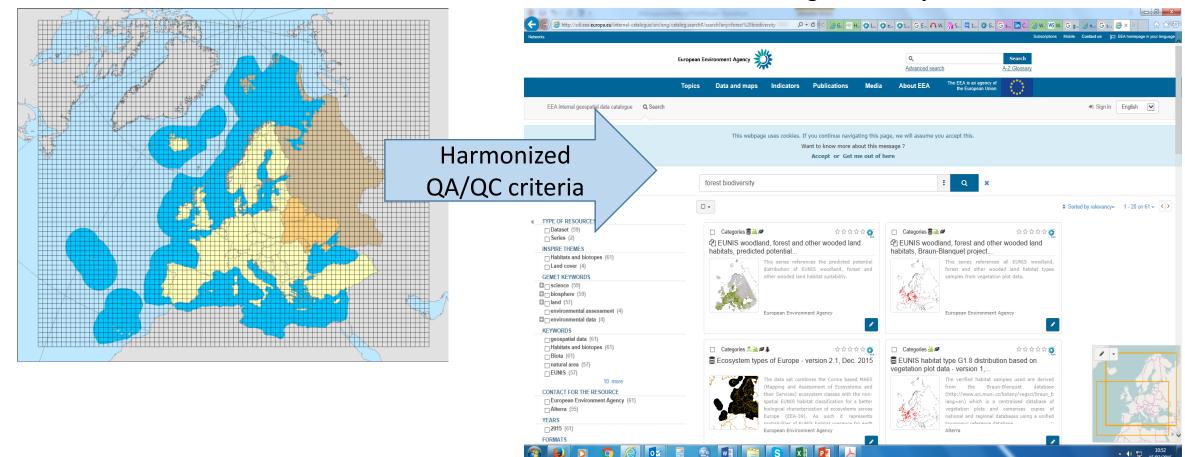




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Harmonized geo-spatial architecture and Spatial Data Infrastructure by IDM4

EEA's SDI: registration by IDM4

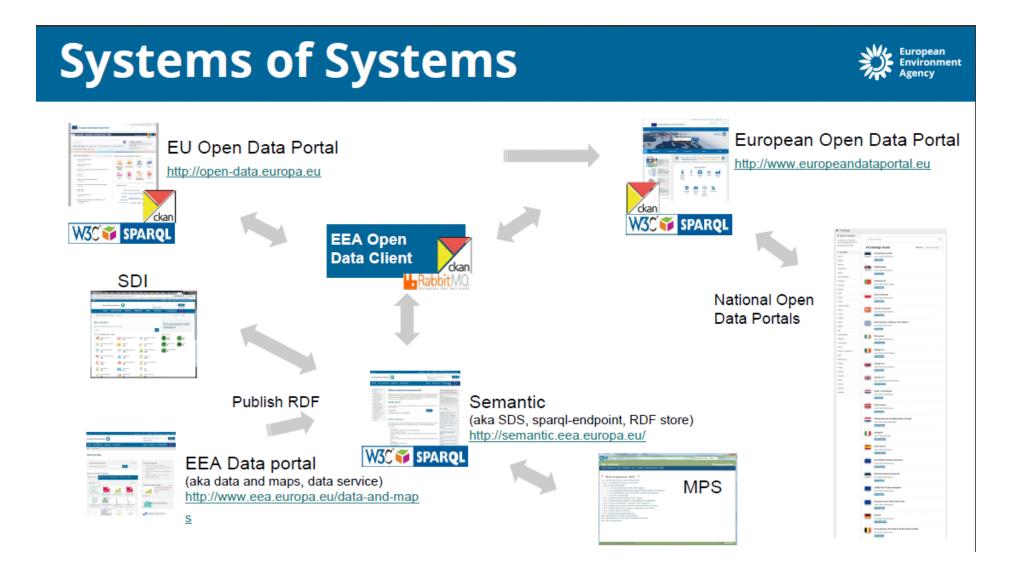


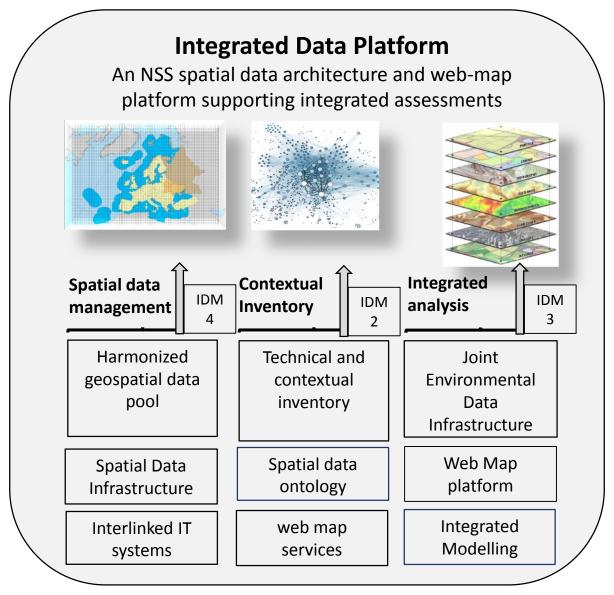
https://sdi.eea.europa.eu/

Harmonized geo-spatial architecture and Spatial Data Infrastructure by IDM4

- Two metadata catalogues describing spatial data
 - Internal catalogue
 - <u>http://sdi.eea.europa.eu/internal-catalogue</u>
 - Public catalogue (same content as internal but less detailed records)
 - <u>http://sdi.eea.europa.eu/catalogue</u>
 - Both with a free text search and browse function (Inspire themes, GEMET keywords)
- Data storage
 - Spatial database
 - File system

Interlinked IT systems IDM2





Eva Ivits, NSS3

Semantic Inventory table by IDM2

Ontology:

Dataset users often understand spatial data through thematic context (urban, marine, NCA, biodiversity, forestry etc.) instead of technical specifications (geoTIFF, LAEA, vector, topology, INSPIRE etc.).

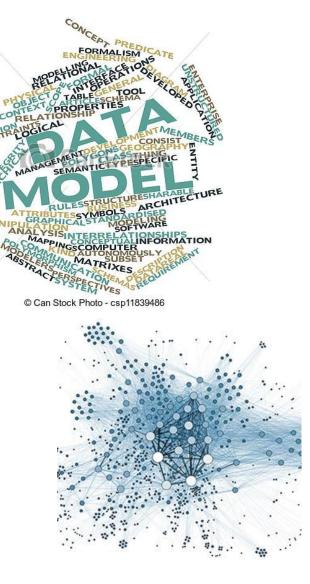
Data users need to understand the contexts of spatial data for integrated assessment.

Inventory:

Builds on the SDI and completes technical specification of datasets with information from the CMS (using the SDS) -> Contextual Data Inventory (table): <u>https://www.eea.europa.eu/data-and-maps/data/cdi/@@view</u>

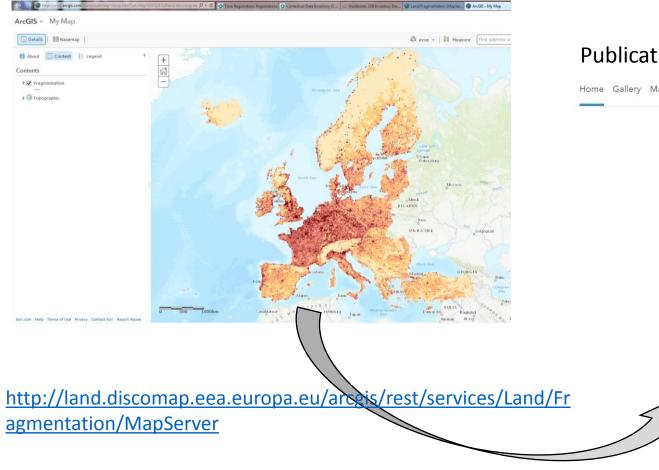
-> Visualisation of the table (ETC/ULS):

https://tableau.discomap.eea.europa.eu/#/site/Landonline/views/CDIInventoryFebruary2018-Eva-REFONLY/IDPContextualDataInventory?:iid=12

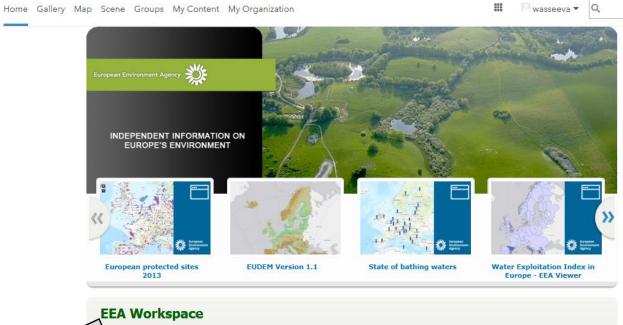


Semantic Inventory web map services – Discomap by IDM3

Web map services: ETC



Publication on Discomap: IDM3

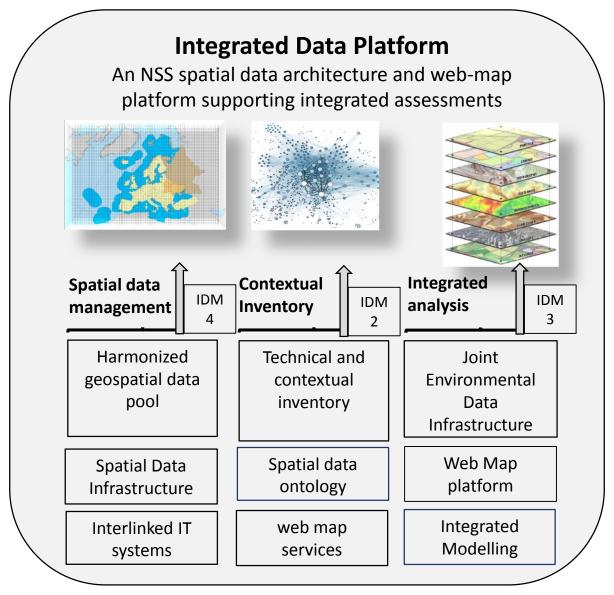


lease visit the EEA website for all official data sets, printed maps and interactive maps.

The EEA workspace to create web mapping applications. EEA staff and partners can use all available sources on ArcGis online to produce web maps for personal use or integration into any website. You will find both official and non-official web maps. Please read the map description to make sure you are looking at quality assured data. EEA maps are always using the "European Environment Agency" user.

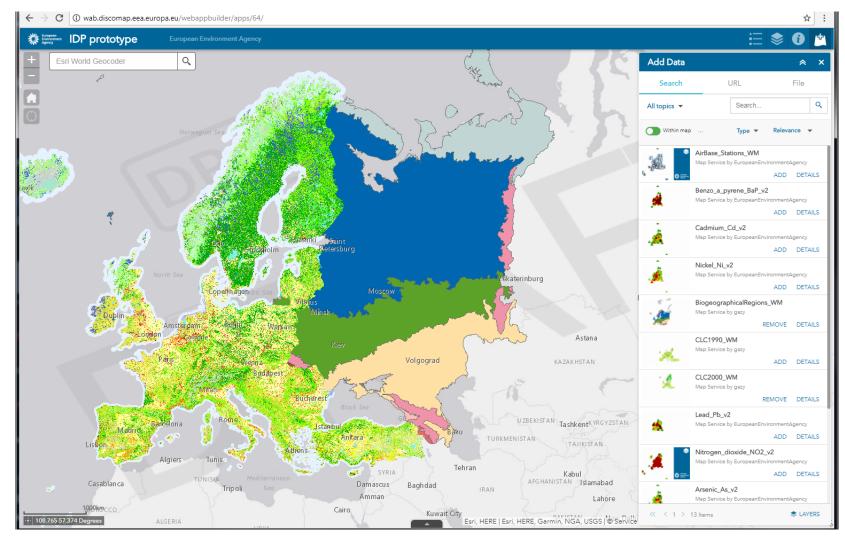
When you are a member of the EEA Workspace area you have the ability to use Maps For Microsoft Office.

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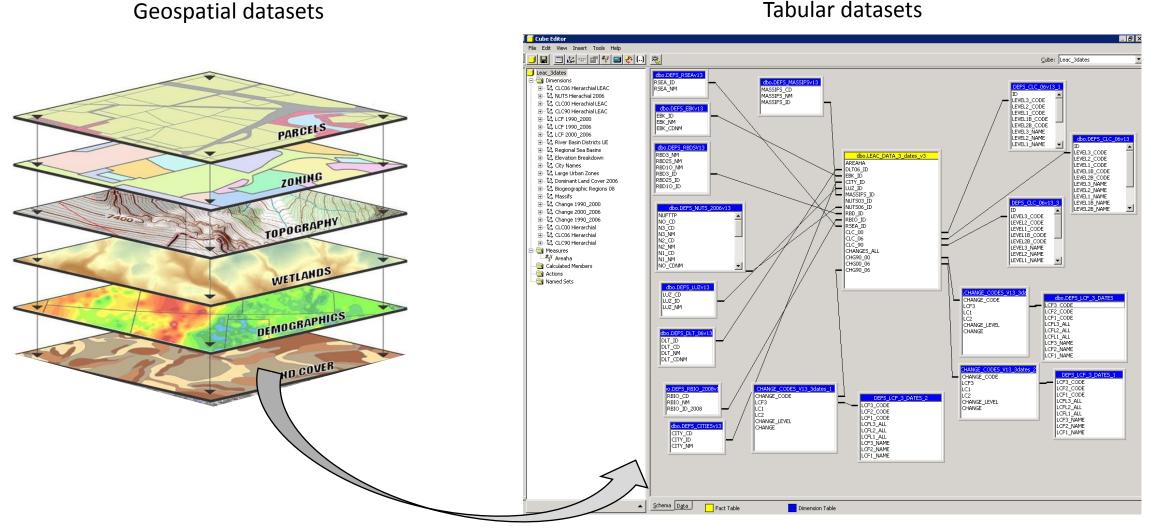
Data Analysis web map (viewing) platform by IDM3



http://wab.discomap.eea.europa.eu/webappbuilder/apps/64/

Data Analysis

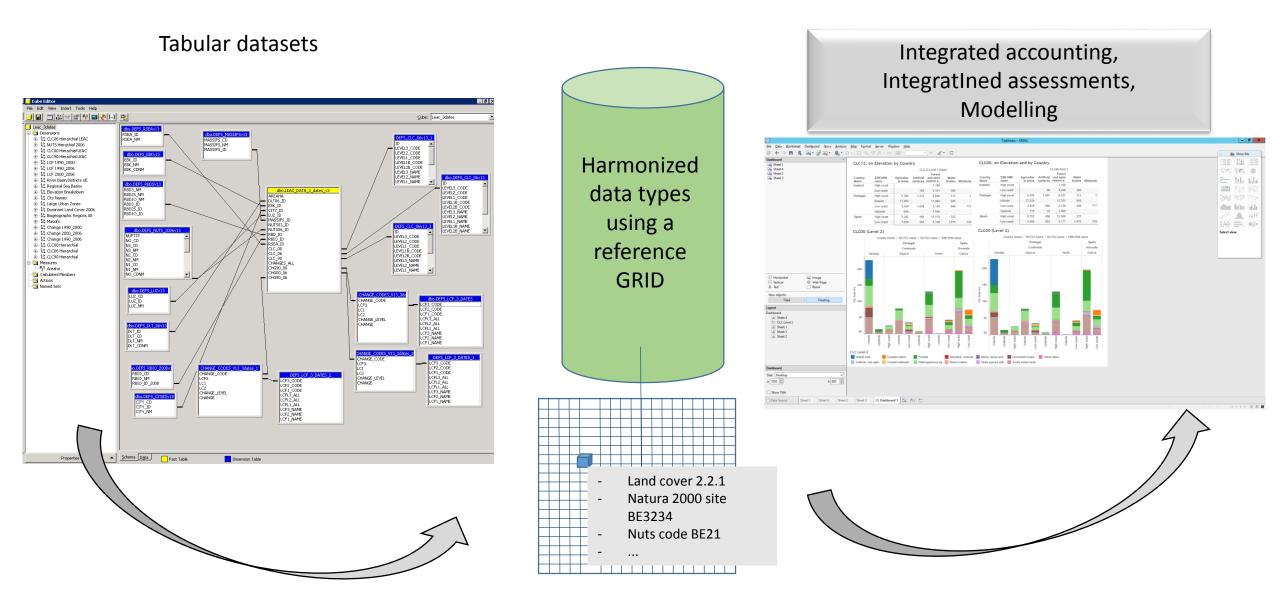
Integrated assessments: Joint Environmental Data Infrastructure (JEDI) by IDM3



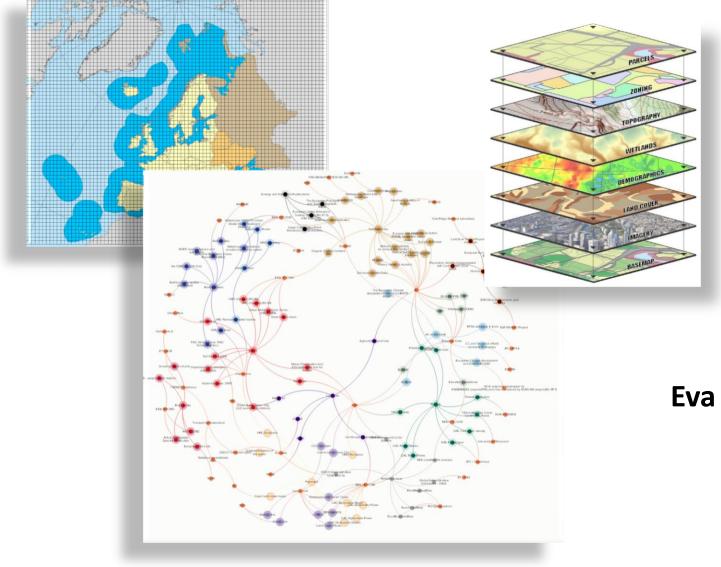
Tabular datasets

Data Analysis

Integrated assessments: Joint Environmental Data Infrastructure (JEDI) by IDM3



Integrated Data Platform



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