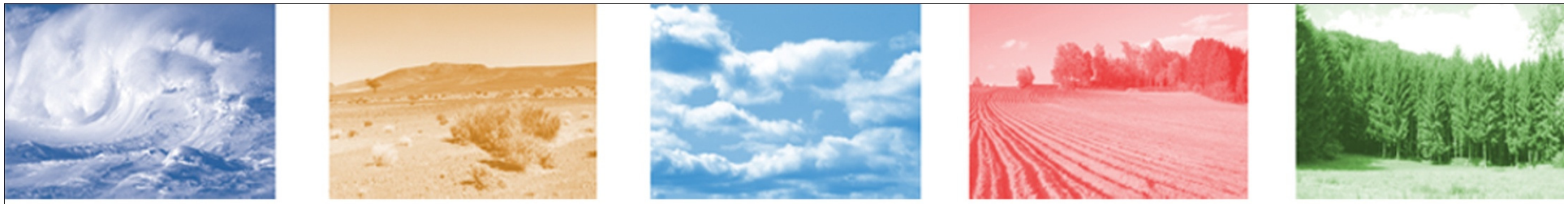

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Geoland 2: GIO and after

Geoland forum 7

Warsaw, 16th September 2011

Andreas Littkopf, ETC on Spatial Information and Analysis

geoland2 is a Collaborative Project (2008-2012) funded by the European Union under the 7th Framework Programme (project number 218795)

ETC/SIA

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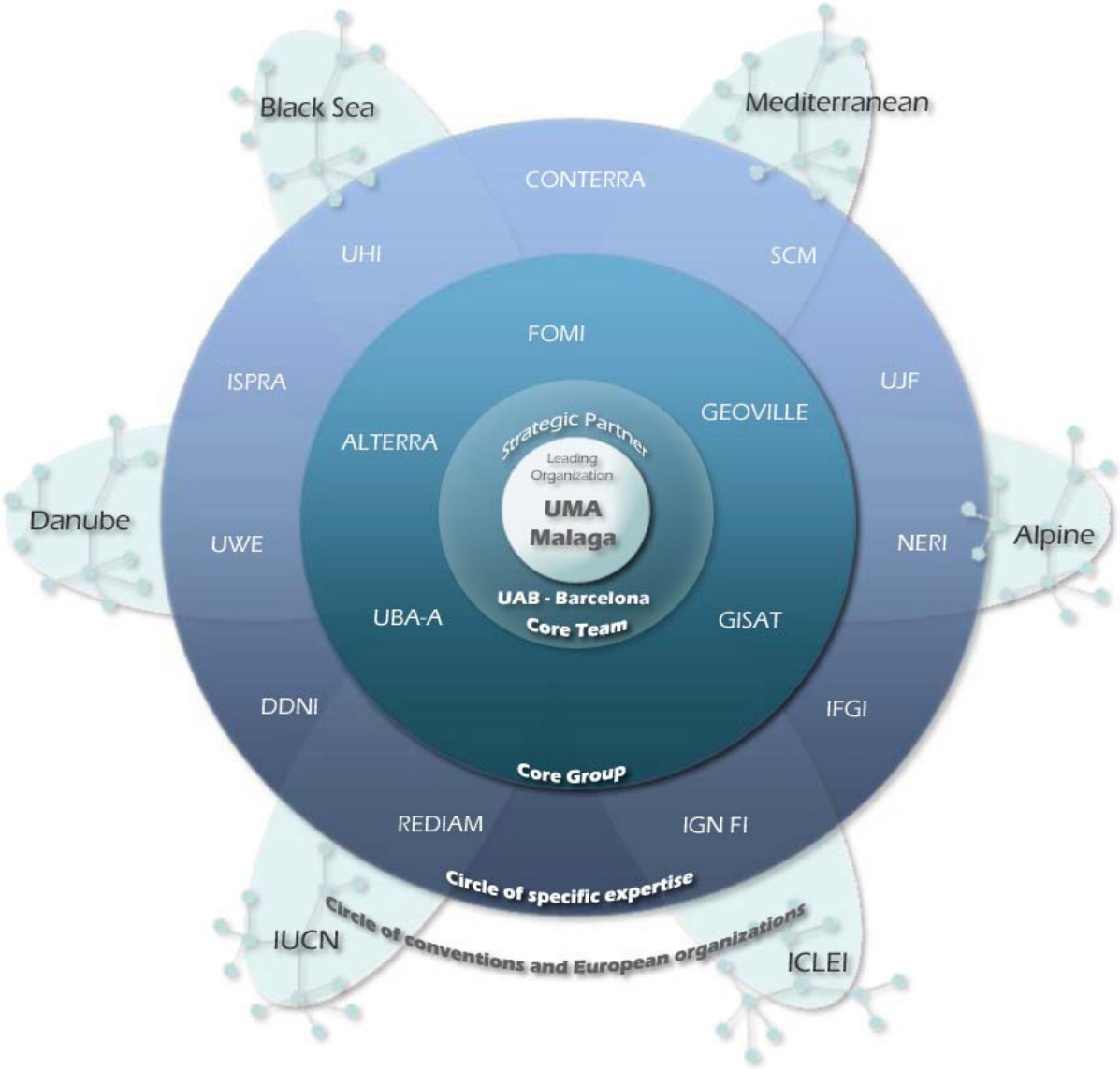

9 Unis
6 Gov. org
3 SMEs
4 conv. and
2 int. NGOs

ETC/SIA

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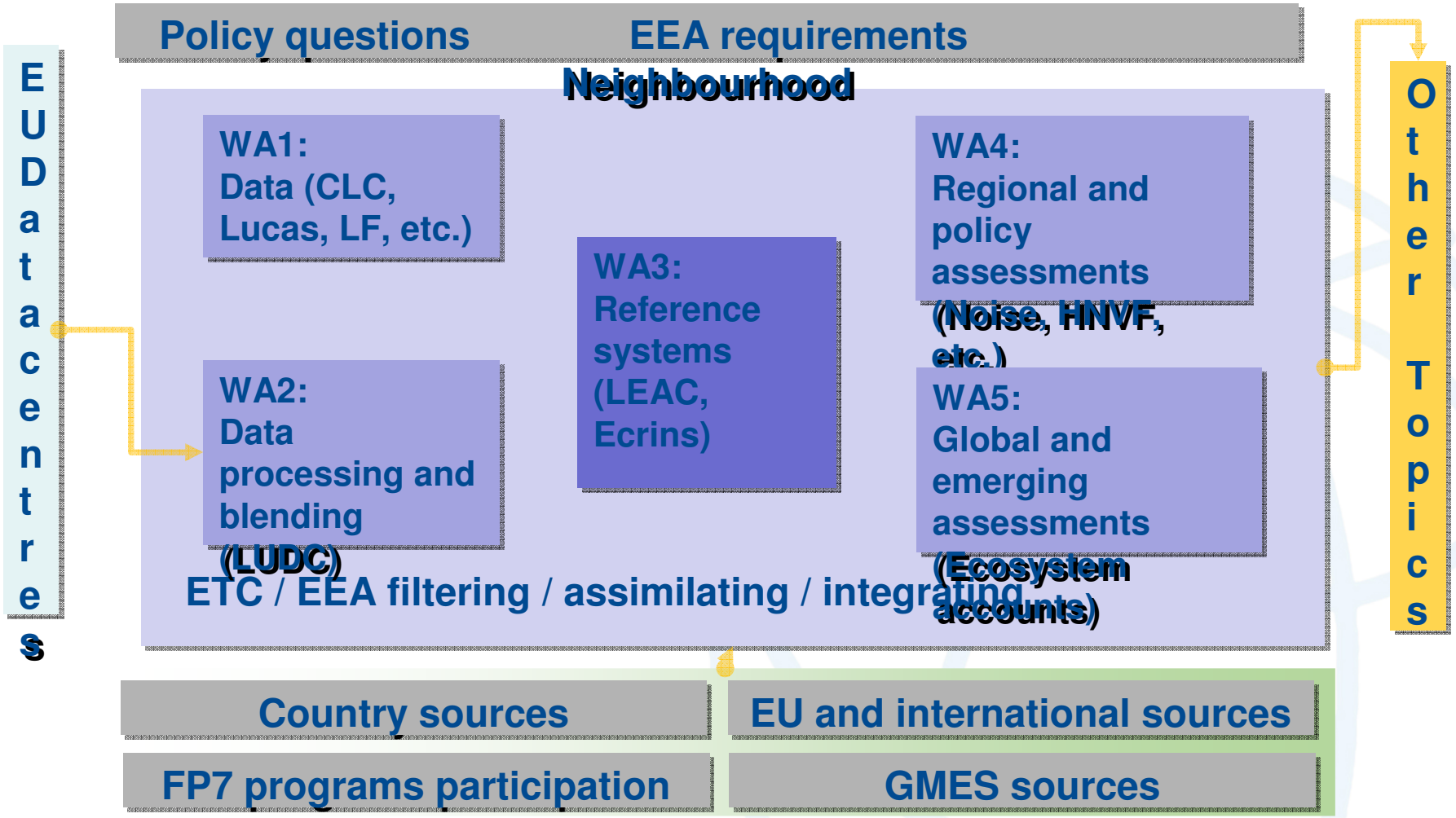
- Centered on reference systems to handle
- continental data and provide seamless information to all topics



Changes and new priorities

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New old headlines

- Ecosystem services
- Ecosystem accounts
- Resource efficiency
- Green economy

Reconstruction of DGs, EEA

- Further harmonization of data
- Combination of socioeconomic and environmental data
- Connection Land and sea
- EEA as global player- European examples

Changes and new priorities

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Increase of analytical units

- NUTS
- Catchments
- ...

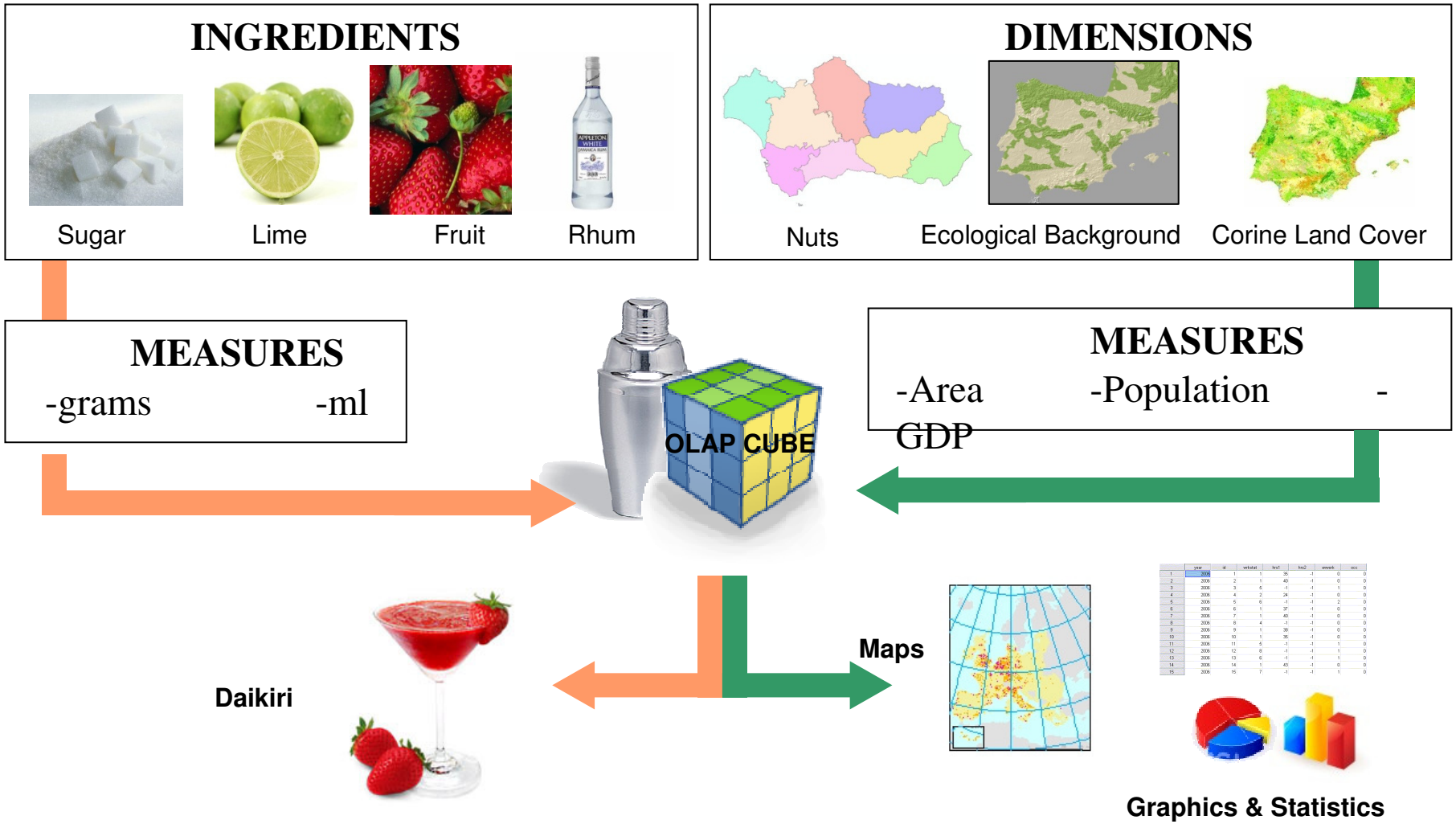
Higher Resolutions

- 1 ha, 5 ha, grid

Combination of data

- Meteorology
- Population
- Economy
- Nature

A “cocktail” of data



one example

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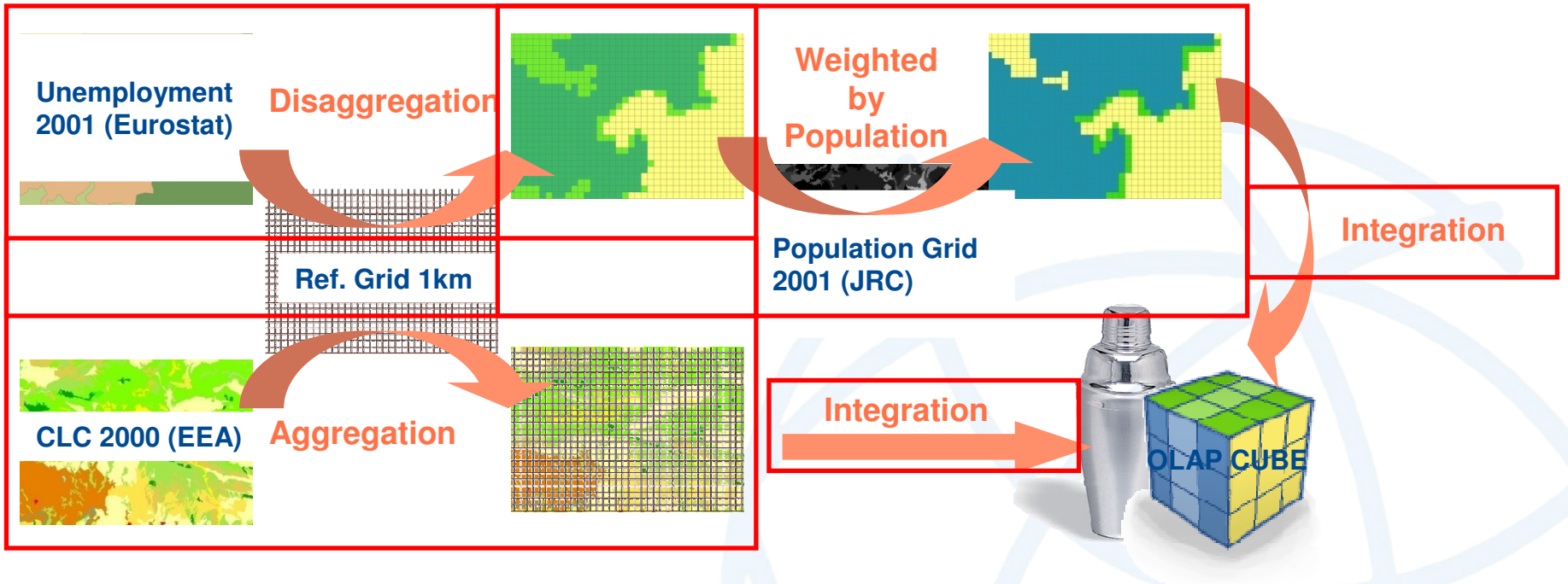

Source: UAB for ESPON

Available new data

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- Land monitoring services

- CLC 2012
- Forest
- Imperviousness
- Water,
- Wet – and
- Grassland

FP7 projects which finish 1012- 1014 for nature, forest…..
In situ

Naturilis++

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- **NATURA 2000 and CDDA combined with HRL**

Carbon accounts / forest test

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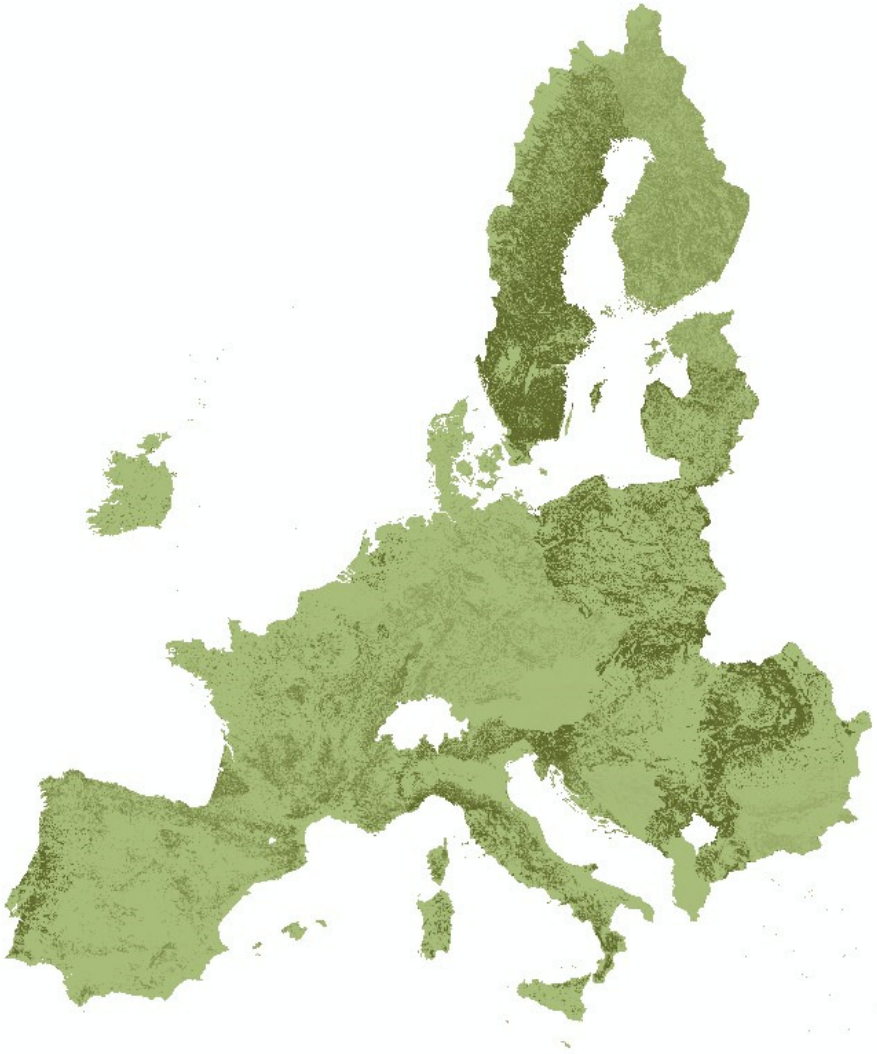

- **HRL for carbon accounts**

nLEP

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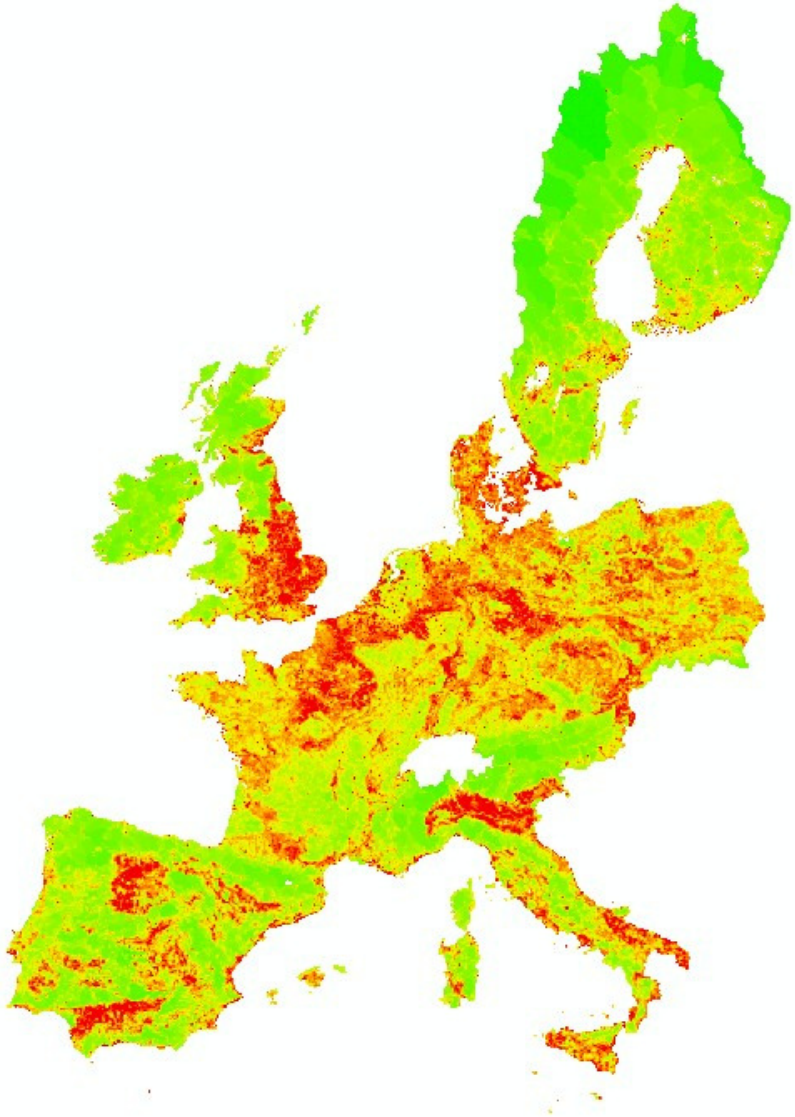

NLEP - Net Landscape Ecological Potential Combined with Art.17 and HRL

Quality of layers ?

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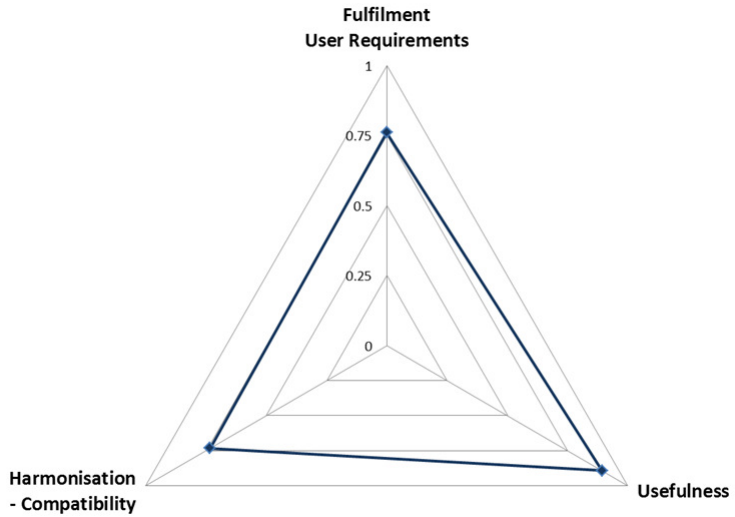
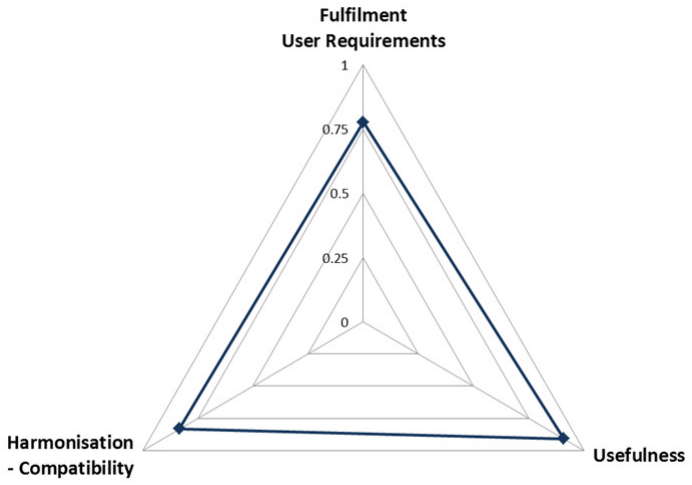
HR Grasslands



	Value	N (*)
Fulfilment of User Requirements	0.734	13
Usefulness	0.893	15
Harmonisation - Compatibility	0.760	15

HR Wetlands



	Value	N (*)
Fulfilment User Requirements	0.7773	15
Usefulness	0.9089	17
Harmonisation / Compatibility	0.8325	17

(*) Where N is the maximum number of respondents per all questions considered in each category

Quality of layers ?

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For European analysis needs
For Developing new methodologies on European scale,
For modeling on European scale

Do fulfill the 5 HRL the requirements of member states ?

- limitations
- Verification, enhancement by countries is an Interesting exercise
- CLC various approaches – requires harmonization

After GIO

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Time series for changes and accounting

- Change detection, urban, forest, agri, ….indicators
- Ecosystem Accounts-
- Extreme events- floods, drought, storms, oil spills,
- Global reporting e.g. carbon
- Improvement of services

EAGLE key messages

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GIO user uptake:

- Different existing and up-coming national bottom-up approaches in EU-MS for production of LC-data were mentioned. An **urgent need for a synchronized processing strategy** was identified.
- Proposed steps:
- Documentation of so far applied national approaches
- **Harmonization of existing approaches** (semantics and geometry)
- Development of **common generalization strategy**, which delivers comparable outcomes of national approaches
- Pilot testing for **bottom-up production of LC-data, including the integration of GIO HR Layers as input data**

The current call

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Support to the implementation of the European Earth monitoring programme (GMES) and its initial operations (2011–2013)"

Lot 1: support to the GMES user consultation

Lot 2: support to the take-up of GMES services by users

Lot 3: studies in support to GMES related policy measures

LOT 2: user uptake

- Awareness and communication
- Materials
- Workshops: 1 week in each 27 MC+EU

After GIO

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Further harmonization

- Movement to a new nomenclature for CLC comparable data model, using HRL and improved products

- European-wide comparable national and transnational examples for reporting in EU projects

Supporting countries efforts / initiatives

- National space agencies
- National spatial data authorities
- National environmental agencies

research funds
good practices like DLM-DE
development of directives

After GIO

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At least one “technical working group land”- continuation of EAGLE as expert group supporting the user forum after G2

Thematic projects and discussions and participation of MS institutions in FP 7 & 8 (harmonization, in situ)

Analysis of national initiatives supporting “implementation and harmonization”

Action list and provision of methodologies for voluntary initiatives

THANKS!!!