

# Policy recommendations from ECOPOENTIAL

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ECOPOENTIAL - GEO meeting

(24/10/2019 in Geneva)

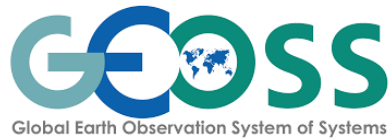
**Earth Observation for  
Environmental Management**

Science for post 2020 Environmental targets:  
Insights from Earth Observation of Protected Areas



# 3 target areas of the ECO POTENTIAL science-policy interface

Global level



European/EU level



PA level

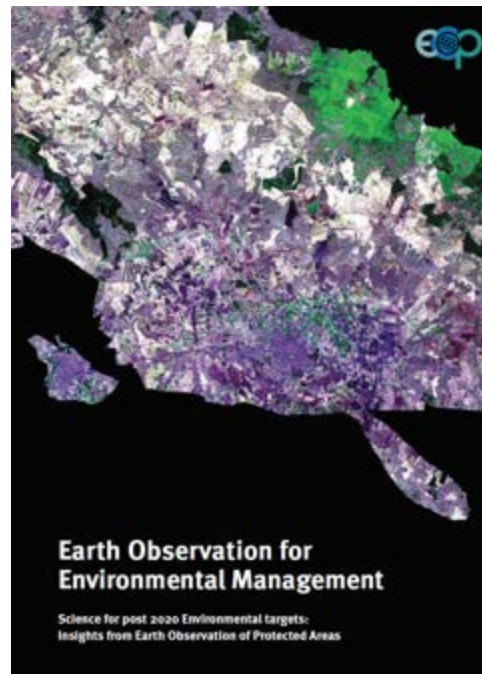


# Activities linked to the science policy interface

- What are EO data implementation challenges and how to transform them into recommendations to decision-makers and the GEO community?



*Recommendations to the GEO community*



*Specific policy recommendations for decision-makers*



*Understanding of challenges and needs for PAs in using EO data*





# ECOPOTENTIAL recommendations to GEO

- How to improve the effectiveness of GEO activities related to scientists-users dialogue and data usability?

## Use of EO data



### Increase capacities to use open EO data

- How to use RS products
- How to find/access data



### Form expert WGs

- On IPR
- Fairness rules

## User-needs



### Co-design of research projects

- Exchange on user needs

## Data comparability



### Facilitate repeatable project work & comparable results

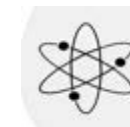
- In situ data collection
- Discuss the usability of the ecosystem service concept
- share practical and simplified Essential Variables

## Data sustainability



### Data sharing

- Support global networks
- include "endangered data sets" in the GEOSS portal



### Foster science-policy dialogue

- Engagement of scientific community into decision-making (e.g. GEO ECO, EuroGEO)



# ECOPOTENTIAL recommendations to decision-makers

## ➤ How to integrate EO data into environmental management?

Expand the use of EO to monitor and manage ecosystem services



Invest in the integration of RS and in-situ measurements



+



Incorporate RS indicators in future environmental strategies



Support innovative ideas alongside proven mechanisms of impact and scientific advancement



Increase experience sharing & information flow among stakeholders, consider a coordinated capacity approach



# Insights from Protected Areas

- Why is the use of EO data a challenge in daily environmental management?

## Survey (July-December 2017) with 85 PA managers/rangers:

### How much is EO data currently used and what are related needs of PAs?

- RS technology is considered technically challenging
- Ecosystem service frameworks considered as scarcely useful for daily conservation management, implementation on local level?
- Political frameworks not based on PA needs and often imposed “top-down”
- PA staff asked for:
  - training in the practical use of RS products
  - innovative methods for in-situ measurements
  - Co-design of projects
- No joint perception on Essential Variables of scientists and PA managers



# How can GEO facilitate the use of EO data in environmental management?

- Raise **awareness** and disseminate the policy recommendations to GEO member countries and with EuroGEO
- Support **national implementation** processes of the policy recommendations
- Strong and continuous **intergration of PA needs** & design of helpful tools
- GEO as **facilitating network on a global level**: which similar programmes exist? e.g. specifically on mountains ecosystems → exchange/compare/ replicate data and tools

# Contribution of ECO POTENTIAL to EuroGEO

## ECO POTENTIAL

Knowledge of PA needs, provision of data, VLAB as implementation tool

Broad range of PAs, representing various ecosystems, set of tools

Legacy of results in EU projects, e.g. e-shape

## EuroGEO

GEOSS-uptake by users

Up-scaling

EuroGEO as integrator





# How can EuroGEO facilitate the use of EO data on a European level?

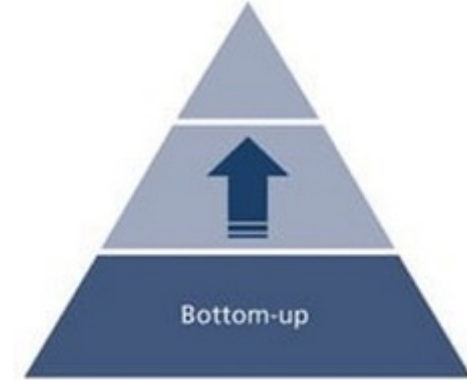


**Support the communication of scientific results & practitioners needs on the EU policy level**



**Facilitate the usability of EO data for environmental management**

- Simple tools
- Reliable entry points to discover data
- Support services close to users



**Follow a bottom-up approach by exchanging actively with European PAs**







**Thank you for your attention!**

Discussions welcome 😊

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