

Approches to valuation in the French assessment of Ecosystems and Ecosystem Services

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EFESE

French Assessment of Ecosystems and Ecosystem Services

Why ?

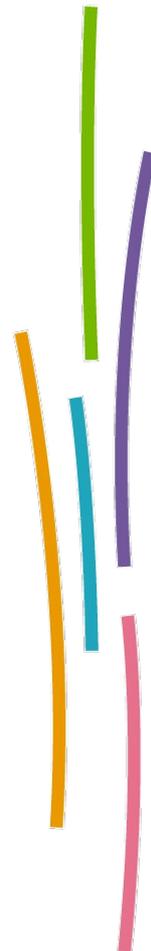
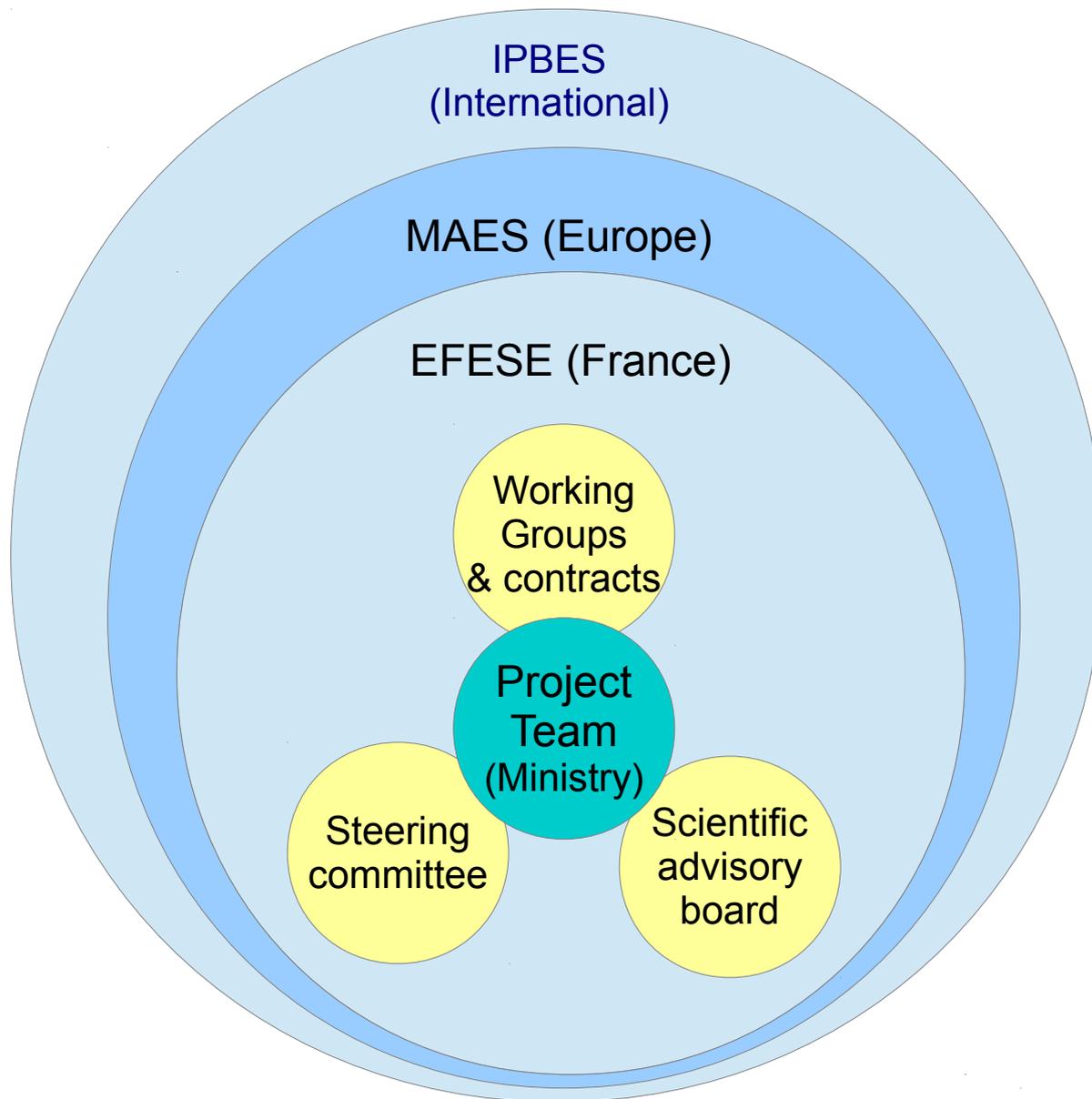
1. To enhance awareness (*Aichi target 1*)
2. To integrate biodiversity values into strategies and planning processes by developing reference values and tools to assess public policies and investment options (*Aichi target 2*)
3. To incorporate biodiversity values into national accounting (*Aichi target 2*)

How ?

1. Project team (Ministry of Ecology, sustainable development and energy),
2. Steering Committee,
3. Scientific Advisory Board (Chair : Prof. Sandra Lavorel)
4. Working Groups and contracts



Governance



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Ministère
de l'Écologie,
du Développement
durable
et de l'Énergie

The perimeter : 6 ecosystem types

Agro-Ecosystems



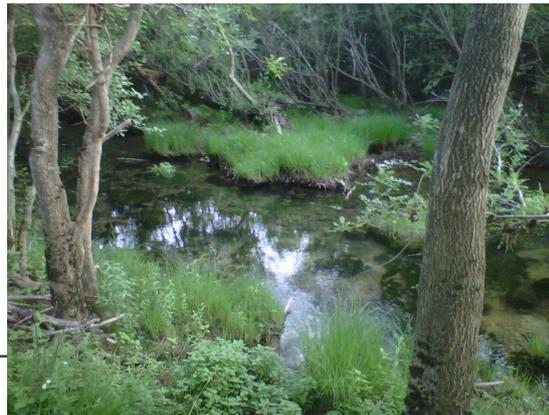
Forests



Marine and Coasts



Freshwater and Wetlands



Urban Ecosystems

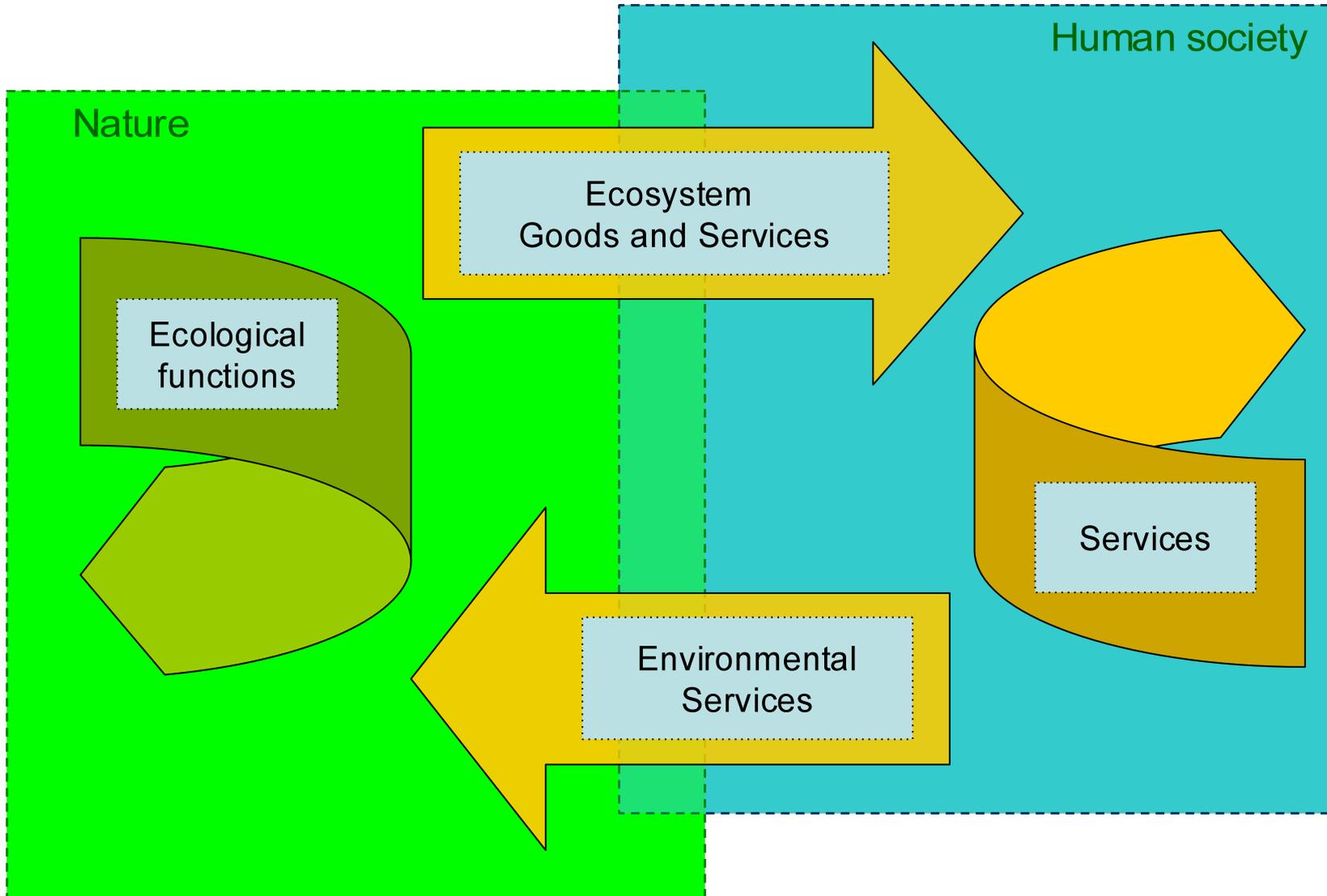


Mountains and rocks



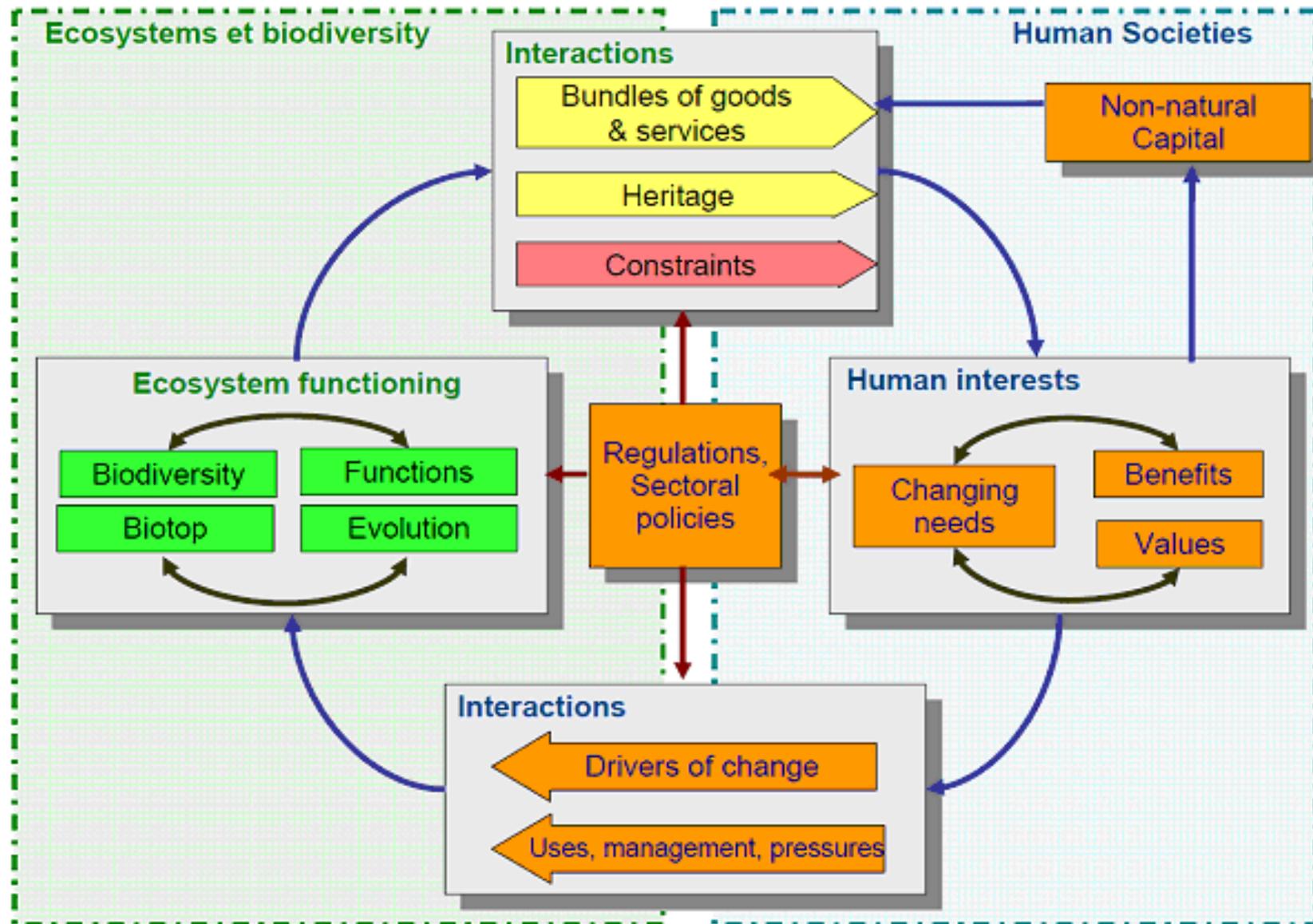
Crédit photographique : Philippe Puydarrieux/MEDDE

Ecosystem services and ecological functions



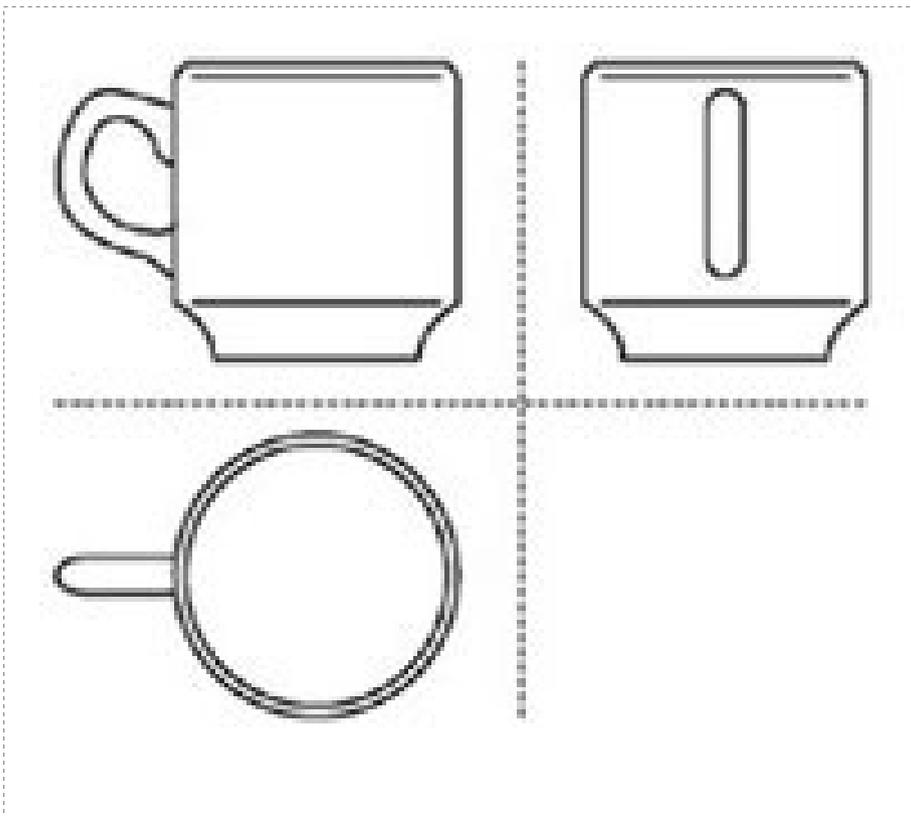
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Conceptual framework



A multidimensional approach

Different views
of the same object

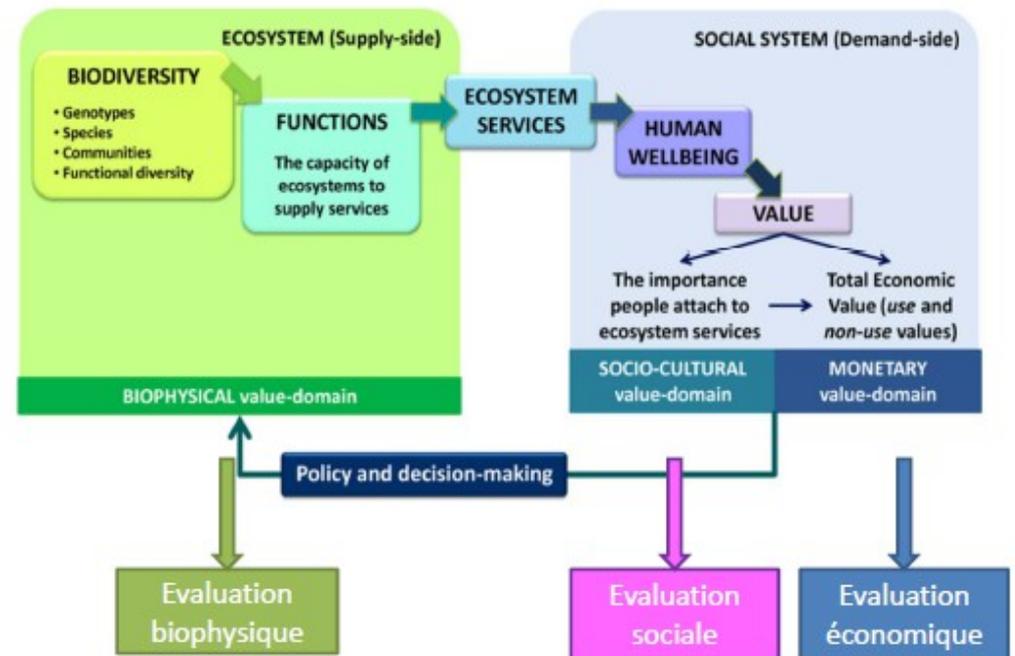


Different approaches
of the same ES

Différents types d'évaluation des services

Martín-López et al. Ecol. Indic. 2013

Modifié d'après Haines-Young & Potschin 2010



Pilot study : The pollination service



Crédit photographique : Philippe Puydarrieux

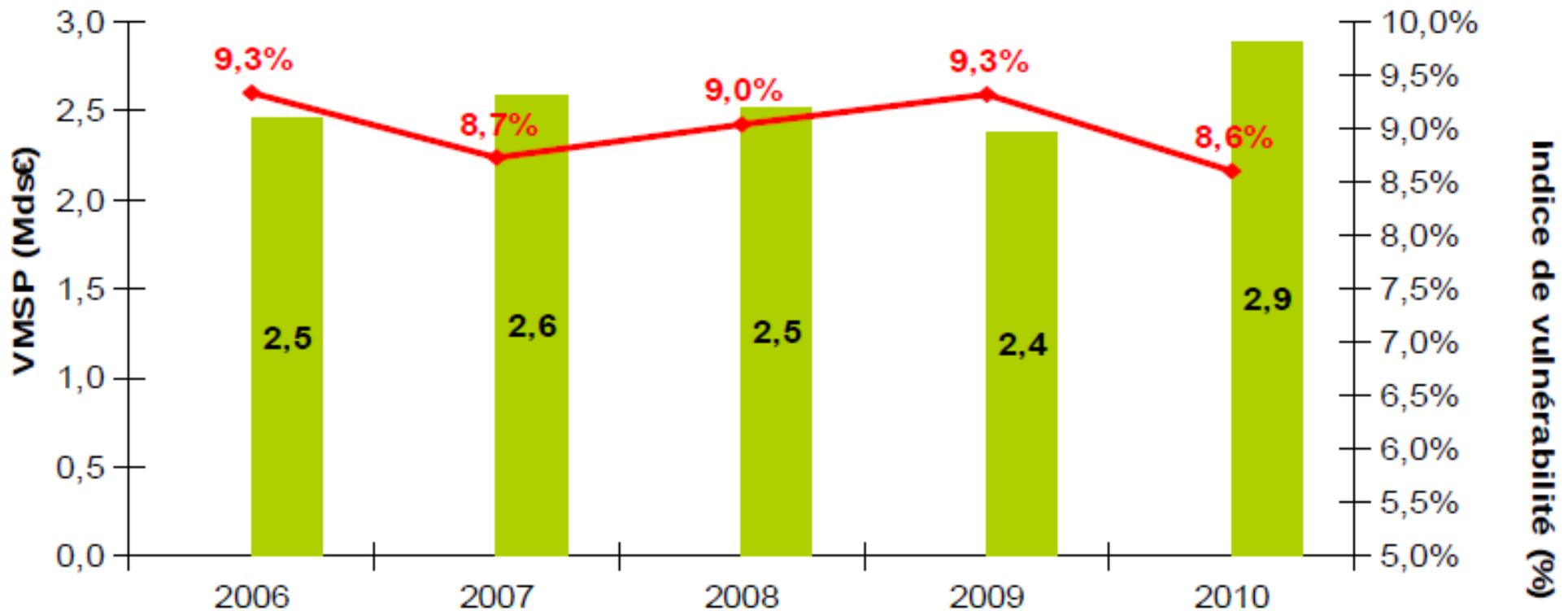
The values of an ecosystem service depend on :

- Time
- Space (land specifications, land use, land management)



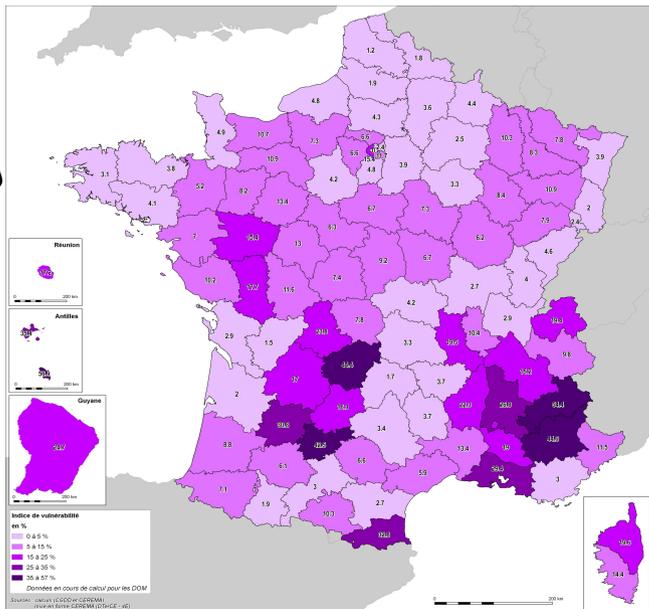
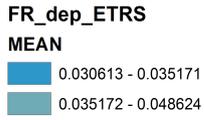
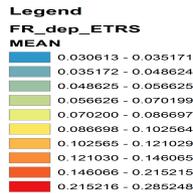
Results

Temporal distribution of pollination services at national scale

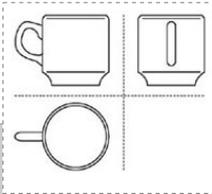
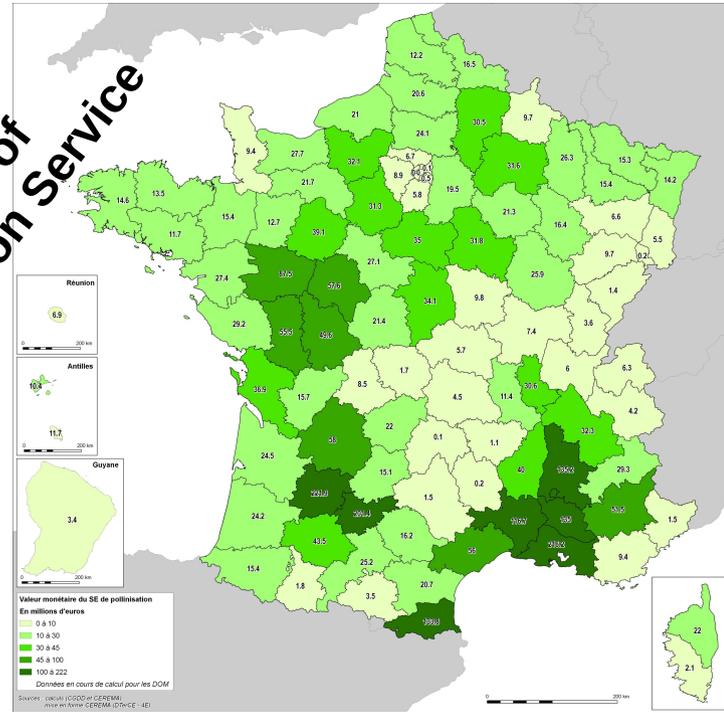


Results : Spatial distribution of pollination services

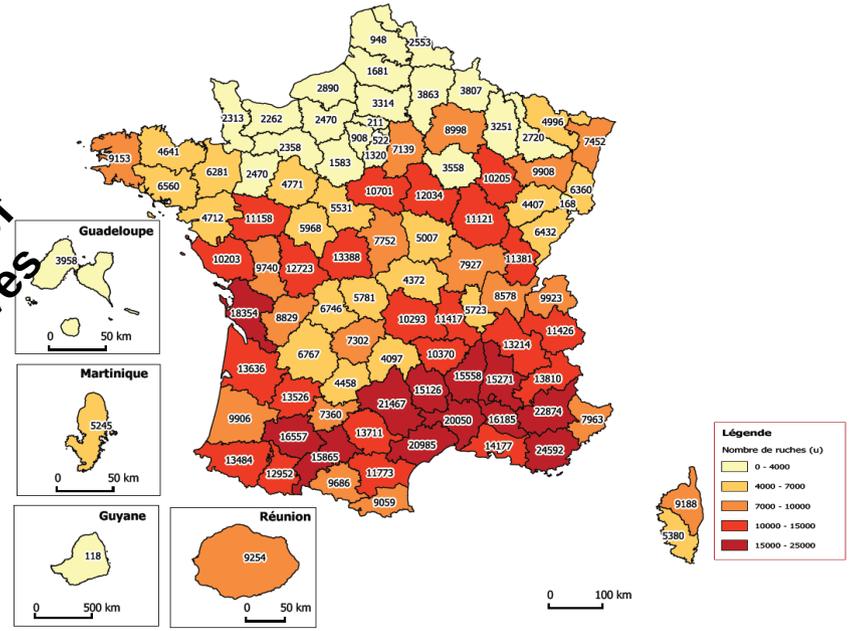
Biophysical potential of pollination



Values of Pollination Service



Number of beehives



Present issues

- **Communication** : need for easily understandable outputs (indicators, maps)
- **Data** : access (rights) and availability
- **Mapping** : need for a map of Ecosystems more precise than CLC



Thank you for your attention...

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