

# Ensuring consistency of tools dedicated to biodiversity and ecosystem services : case studies

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Presentation for the ALTER-Net conference  
**Nature and society: synergies, conflicts, trade-offs**  
4 May 2017





→ Annual grass adapted to Spelt Wheat

→ Endemic to Central Europe



- 80 % during the last 50 years



Habitats Directive : Annexe II



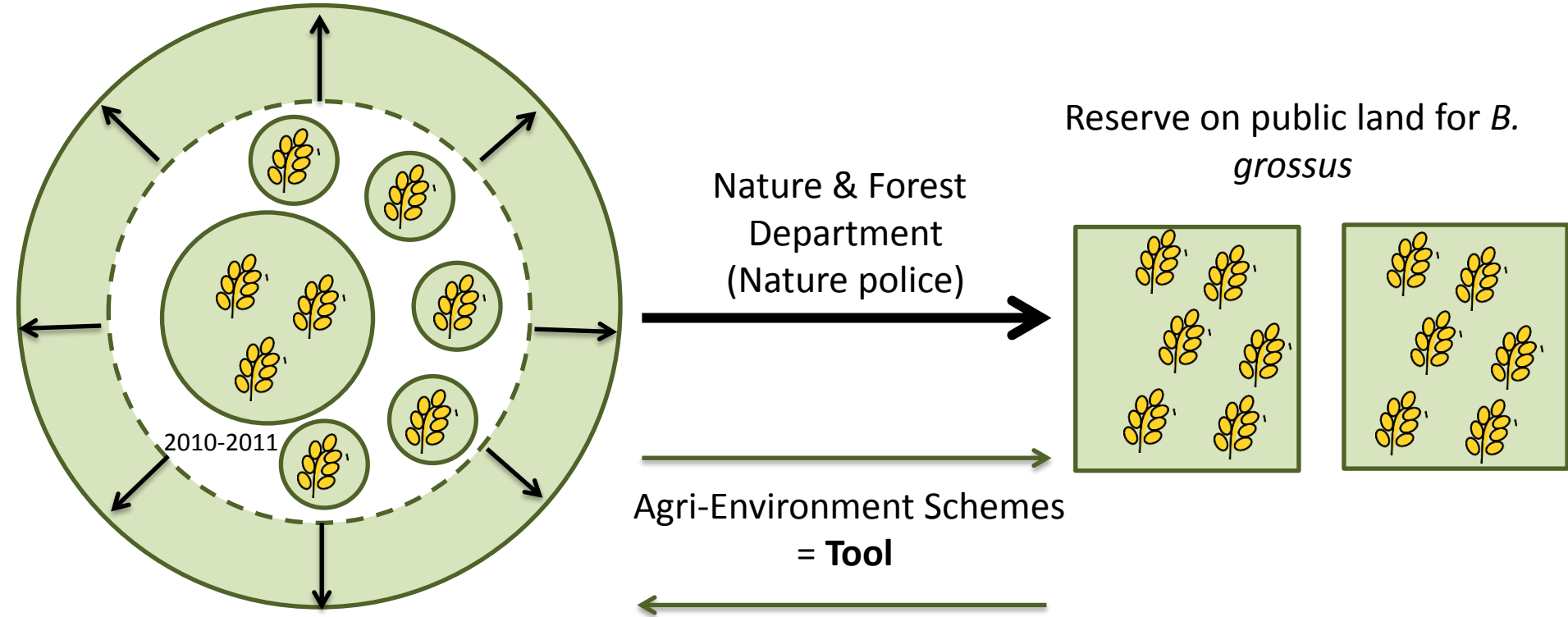
In Belgium (Wallonia) : thought to be extinct in early 2000's



New stations found in 2010-11

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Starting point for **larger conservation plan**





- Existing network between farmers and local advisors (Agri-Environment Schemes - AES)

= **Reactivity & Communication**

- Linked to administration/nature police and LIFE project

= **Strengthening**

- Adaptation of existing tools under AES

= **Dissemination**



- Legislation

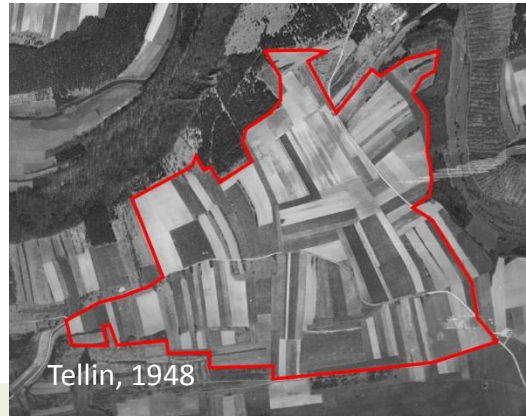
- Protected species : derogation
- European directive for seed : exception for scientific purpose

- Access to land

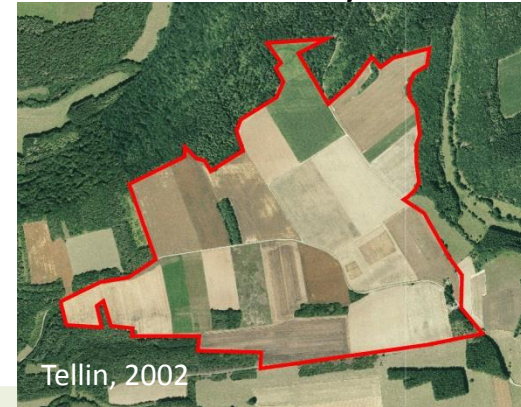
- Arable land €€€ (between 30 -70.000€/ha)
- Administrative drags

Through years, rural landscape has changed...

1950



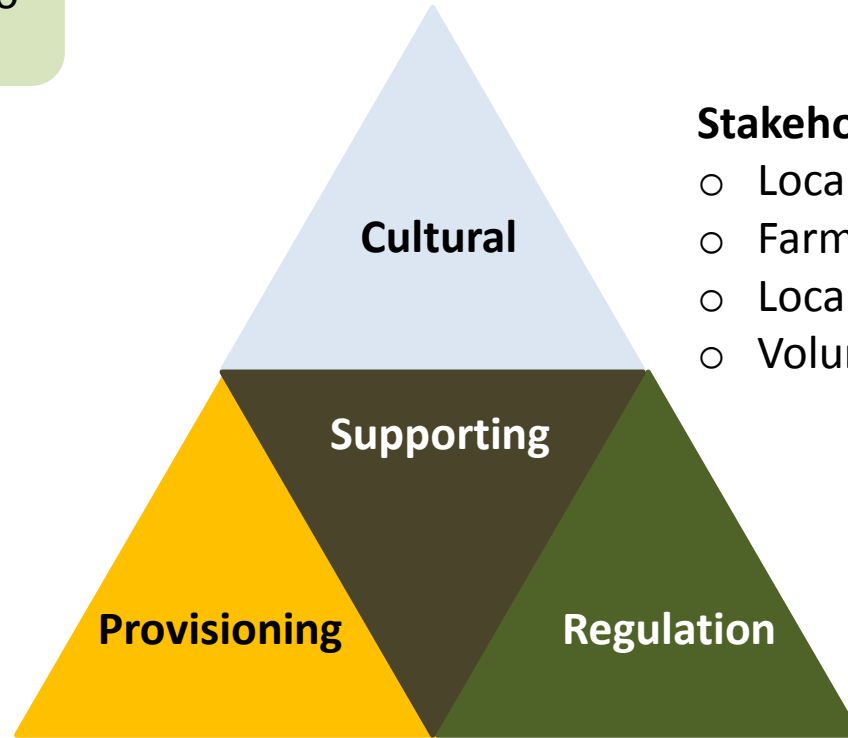
Today



**Context** : for a land consolidation plan → landscape multifunctionality

**Objective**: creating a general tool using ecosystem services (ES) as a framework

1° Selection of stakeholders according to ES categories



**Stakeholders :**

- Local authorities
- Farmers
- Local initiatives & associations
- Volunteer citizens

1° Selection of stakeholders according to ES categories

2° Identifying 5 priority ES



Support to agricultural production



Water protection



Erosion prevention



Preservation of habitats for biodiversity



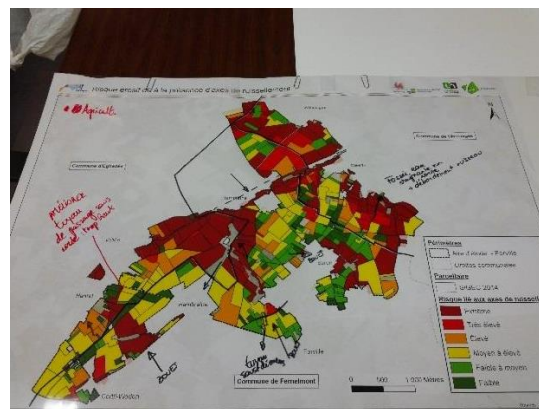
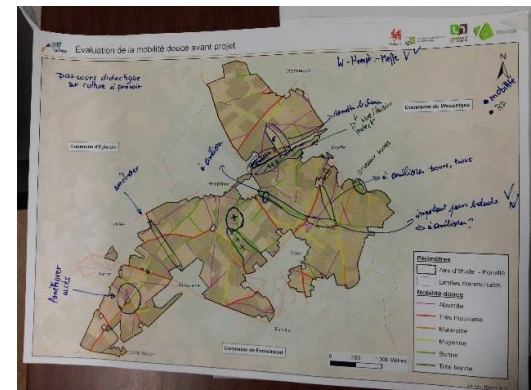
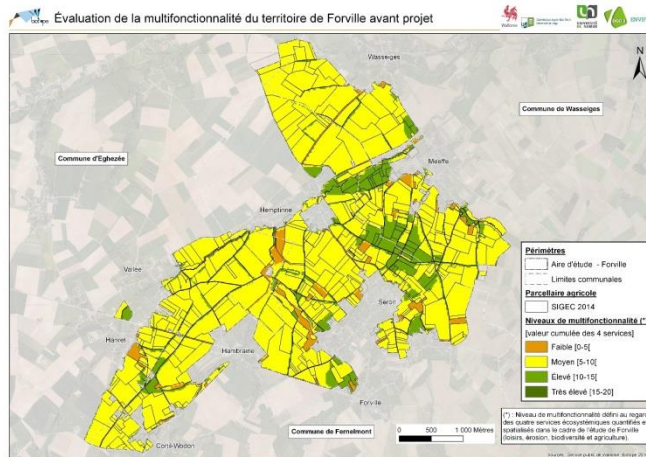
Leisure areas

1° Selection of stakeholders according to ES categories

2° Identifying 5 priority ES

3° Multifunctional diagnosis of land area

4° Co-construction of land-use plans





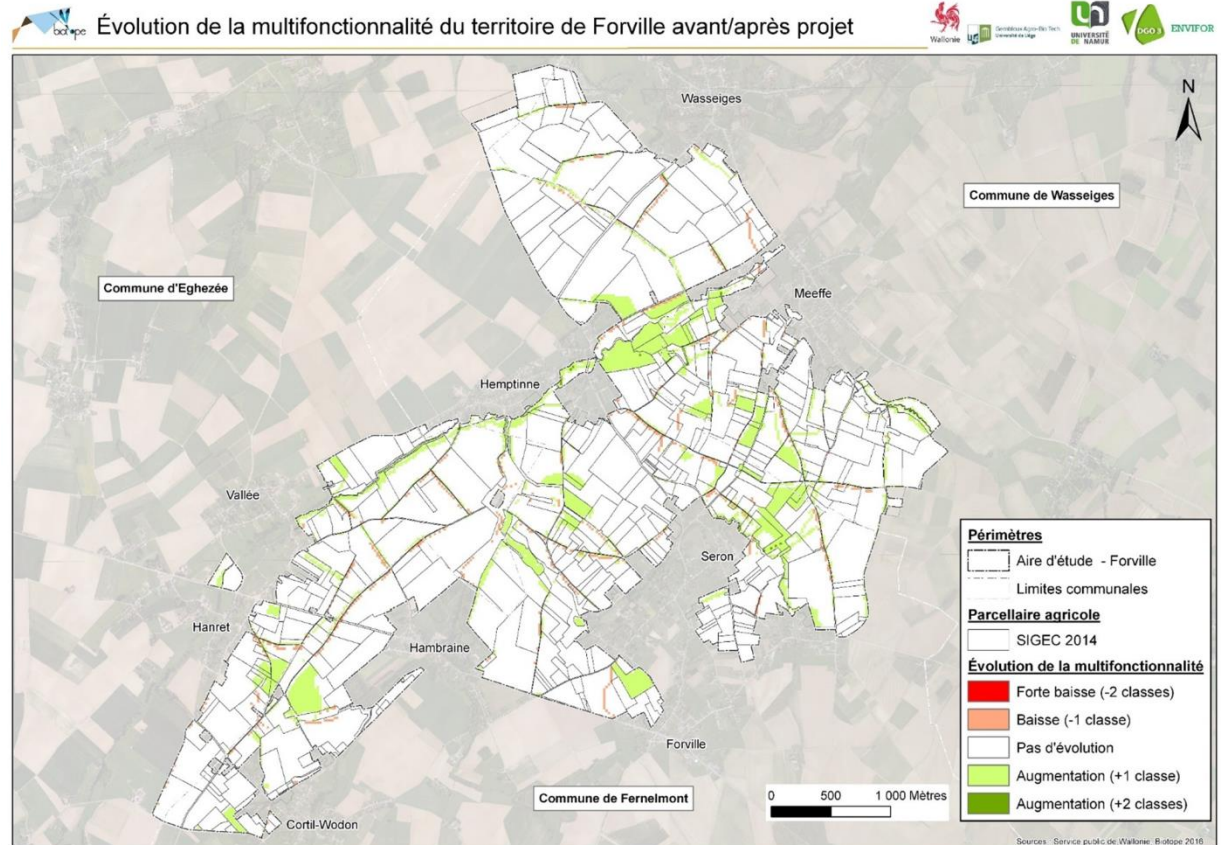
1° Selection of stakeholders according to ES categories

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3° Multifunctional diagnosis of land area

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5° Impact evaluation over economic, socio-cultural and environmental components





- ❑ Ecosystem services = common language, beyond usual conflicts

= **Communication**

- ❑ Large diversity of stakeholders + citizen involvement

= **Strengthening**

- ❑ Framework and analysis grid = sharable tools

= **Dissemination**



- ❑ Required management

- Trained team to supervise all the project
- Involvement of local authorities

- ❑ Hierarchy of ecosystem services

- Purpose of the land consolidation
- Stakeholders' knowledge and point of view

## 1 Reactivity

- Local partners
- Existing networks

## 2 Communication

- Shared concepts
- Local partners

## 3 Project consolidation

- Authorities endorsement
- Stakeholders involvement

## 4 Tool creation and sharing

- Broadening project (partners + targets)
- Collaboration



Thank you

for your

attention !