



VOLANTE SUMMER SCHOOL

PhD COURSE — University of the Aegean
Lesvos, June 12 – 18, 2013



ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΙΓΑΙΟΥ

Transitions in Landscape and Land Use

Visions Of LAND use Transitions in Europe – VOLANTE – FP7-ENV-2010-265104



www.volante-project.eu



VISIONS OF LAND USE TRANSITIONS IN EUROPE

OVERVIEW

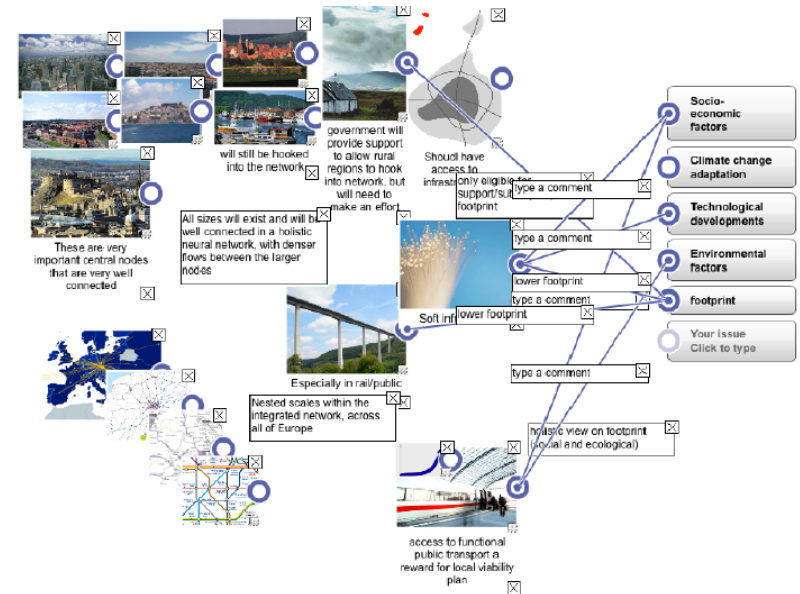
**Bas Pedroli, Project Leader
Alterra Wageningen UR**

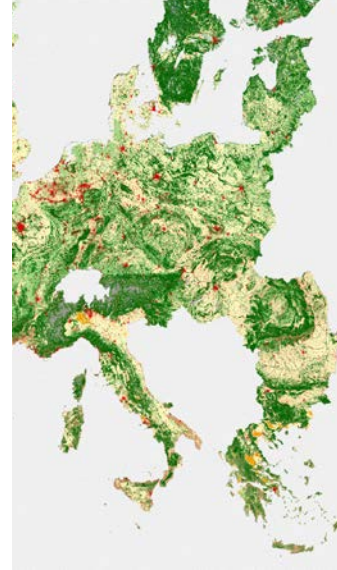
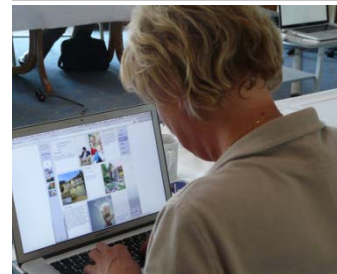
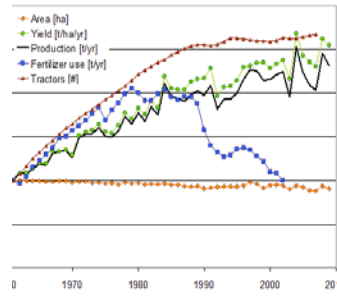
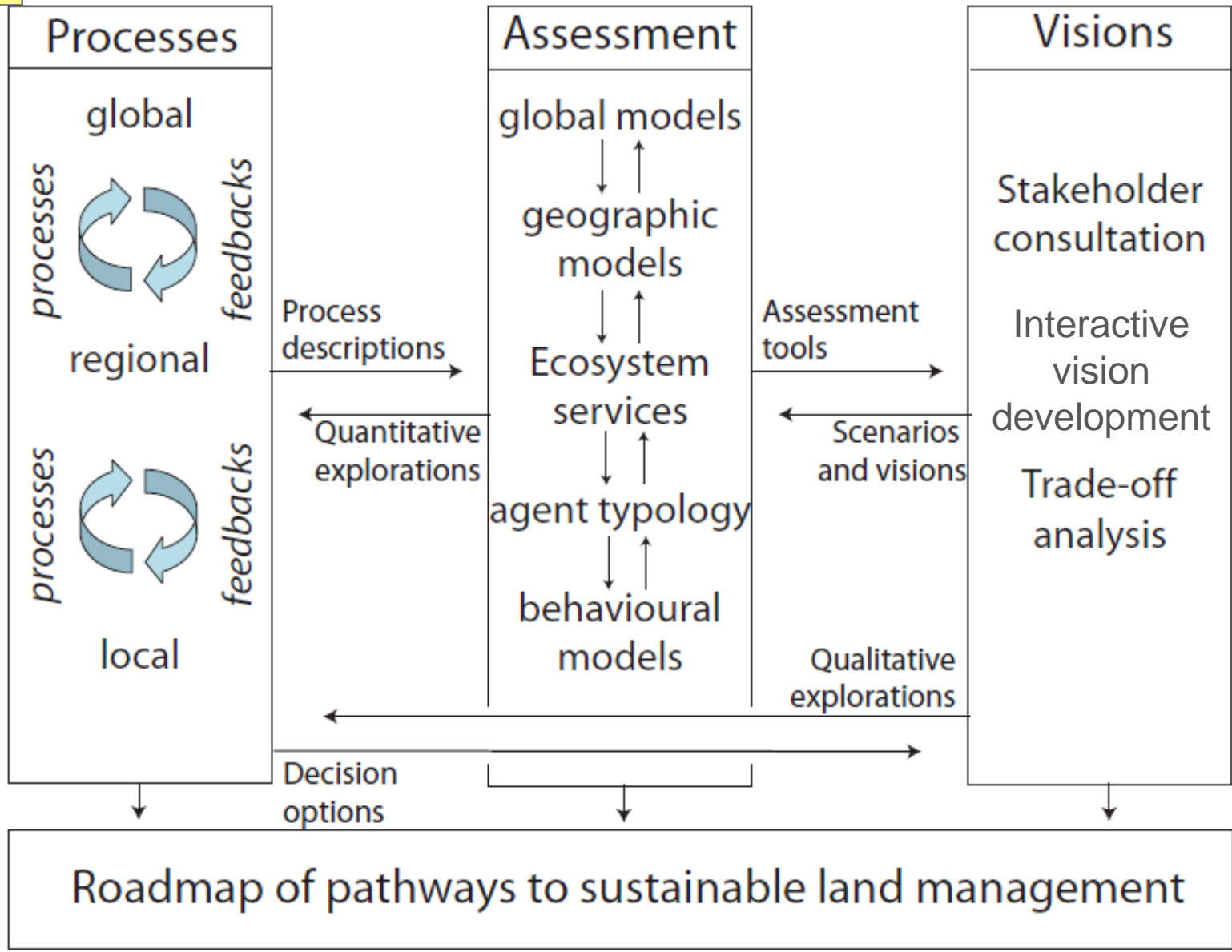
Alterra	Lead Partner – DLO Wageningen UR	The Netherlands
UEDIN	Edinburgh University	United Kingdom
UNIKLU	Institute of Social Ecology	Austria
VUA	VU University Amsterdam	The Netherlands
PIK	Potsdam Institute for Climate Impact Research	Germany
UCPH	Copenhagen University	Denmark
EFI	European Forest Institute	int.
CNRS	CNRS Grenoble	France
Aegean	University of the Aegean	Greece
UNIBUC	Bucharest University	Romania
JRC	JRC-IES	int.
UBER	Humboldt University Berlin	Germany
NERI-AU	National Environmental Research Institute	Denmark
PROSPEX	PROSPEX bvba (SME)	Belgium

VOLANTE: about future land use

Aiming to:

- Identify clear visions of European land use policy and land management
- Reduce the large variation in possible land use scenarios for the future to a manageable set
- Identify crucial points of no return both in history and in potential future
- Identify and evaluate policy options for the various landscapes of Europe and for shorter and longer term perspectives, to achieve desired futures
- Focus on a Roadmapping workshop where prominent decision makers and stakeholders interactively discuss the conclusions of this evaluation
- Result: Portfolio of Roadmaps for Future Land Resources Management in Europe





aims of the Roadmapping Process

- Produce outcomes that are
 - a) relevant for decision-makers' needs and use (*salient*);
 - b) *credible* as being the result of the application of adequate scientific methodological and empirical work; and, finally,
 - c) *legitimate*, since they are incorporating divergent values in a non-biased context.
- Provide optimal synthesis and integration of project results and provide the basis for knowledge transfer from VOLANTE to the identified stakeholder groups
- Decide on recommended pathways for land use development
- Create Roadmaps for Future Land Resource Management, as a meaningful set of recommendations, supported by relevant high level representatives of policy, NGO and private sector stakeholder groups
- Identify obstacles, critical factors and implementation recommendations for the Roadmaps
- Produce and publish a high-impact Science-Policy Briefing on the outcomes of the Roadmapping process, including a post-VOLANTE implementation plan





PROGRESS after 32 months

- Project well on schedule, deliverables largely on time
- Dedicated consortium with large interest in cross-cutting collaboration, many young researchers involved
- Five inspired consortium meetings (Wageningen, Potsdam, Bukarest, Edinburgh, Amsterdam) and many ad hoc meetings
- No weak partners
- Scientific publications underway from the very start
- Work on land use processes well advanced, cross-cutting issues identified and addressed
- Modelling tools producing results, ready for assessments
- Strong emphasis on stakeholder involvement, stakeholders keen to participate in scenario and vision development
- Large interest from outside world
- Still 2 years to go: high expectations

VOLANTE

*Well underway
towards a new
European landscape
management paradigm
for the future !*

Landscape Science: Inherent Paradoxes



Bas Pedrolí – Summer School Lesvos 12-18 June 2013
Landscape Science – Inherent Paradoxes



How does landscape function?

- European landscape: cultural landscape (monks, land lords, bishops, farmers communities)
- European spatial developments more and more defined by global market: *global flow* instead of *local space*

Primdahl & Swaffield 2010

- Urban fringe: economic interests first instead of functional land use relationships based on self-evidence
- Landscape is a social space that can not be owned, but who is then the owner?

So, what does the EU mean for landscape?

- the EU (27 member states) defines boundary conditions for landscape development through its agricultural, environmental, infrastructural, urban, energy and other policies (based on the global market)
- CAP, Habitat Directive, Birds Directive (NATURA2000), Water Framework Directive
- the EU does not take the consequences of the resulting landscape changes
- no EU landscape policy (competency of member states)
- result: paradox today, degraded landscapes tomorrow



Inherent paradoxes of the landscape perspective

1. many policies have large impact on landscape but landscape is not a clearly addressed competence
2. landscape is a notion that is inherently complex and integrated of character, but science and policy prefer clear-cut cause-effect relationships
3. European landscape diversity is an asset, but this makes it difficult to develop EU wide strategies for it
4. landscape is a common good and everybody acknowledges its values, but its societal importance is hardly debated

+ the *Cultural Landscape and Heritage Paradox*

Bloemers et al. 2011





European Landscape Convention



- Council of Europe (47 member states), Straatsburg: no money, no power, but strong ethical appeal
- European Landscape Convention (initiative *Congress of local and regional authorities CoE*):
 - everyone has the right to enjoy landscape
 - every landscape is worth being taken care of
 - intrinsic values of landscape to be made explicit
 - landscape is a public good: public authorities to take responsibility
- in force since 1 March 2004 for those countries that have ratified (currently 37 of which 24 EU, not: DE, AT, EE)

Emerging Research Themes:



SCIENCE POLICY BRIEFING • October 2010

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Landscape in a Changing World

Bridging Divides, Integrating Disciplines, Serving Society

Contents

2 • Introduction
3 • Landscape in Culture, Society and Policy
4 • A Common Frame for

6 • An Analysis of Landscape Research Today
7 • Future Research Directions

12 • Conclusions
14 • A Final Word
16 • Network Steering Committee members

Bloemers et al. 2010

1. **Universal commons**: securing landscape as a common good
2. **Roots and routes**: coming to terms with mobility and evolving lifestyles
3. **Reactions and resilience**: long-term landscape transformations
4. **Road maps**: landscape as baseline and context for future change

Landscape paradoxes revisited

1. large landscape impact, but no competence

high level think tank to suggest smart solutions for relevant policy fields:

European Landscape Forum

www.agora-landscape.eu

2. landscape complex notion, but science and policy prefer clear-cut cause-effect relationships

innovation to focus on landscape functional approach and on landscape as a narrative

3. landscape diversity as an asset, but making EU wide policies difficult

regional development and territorial cohesion to enhance sustainable landscape values

4. landscape as a common good, but societal importance underestimated

fundamental challenge in public participation to enhance cultural landscape identity and living landscapes

5. landscape heritage?

protection through development!

Landscape Science:
*How can new commons for
the future be designed?*

