

Eururalis 2.0

Insight in the future Trends, challenges and options for EU rural areas

York November 2006

Wageningen UR
MNP
IERGZ-Warzaw



Objectives of Eururalis

- Investigate possible developments of European rural areas to explore effects on
 - ecology,
 - economy and
 - socio-cultural aspects
- European focus, including global context
- Spatially explicit, years 2010 2020 2030
- Presented by an interactive CD
- in order to stimulate the strategic discussion on the future of Europe's rural areas



Eururalis – discussion support

- Four narratives: world views play out differently
- Policy options lead to scenario-dependent consequences (CAP, biofuels, LFA)
- Link agro-economy & other sectors (nature, peri-urban)
- Wide range of indicators (people-planet-profit)
- Bio-energy: linking food feed fuel
- Multi-scale approach: global context via countries & regions
- Causal-tracing: What is the contribution of policy

Eururalis 2.0 tool

Could help policy makers to make better decisions!

- Trends
- Impact indicators
- Regional diversity
- Explore the impact of policy
- Based on scientific reviewed models



EURURALIS

Fururalis results & conclusions

Explore your future

Eururalis background

The Tool

About the Tool

About scenario's, drivers and policy

About indicators

General

- A1 Global Economy
- A2 Continental market
- B1 Global cooperation
- B2 Regional communities

Scenario Comparison

Drivers

Policy

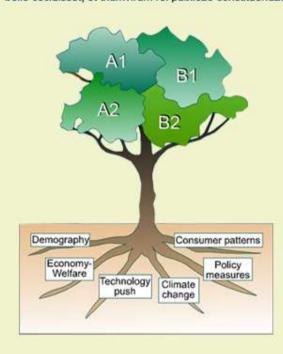
Test your preference

Drivers | Introduction

Rerum gestarum divi Augusti, quibus orbem terrarum imperio populi Romani subiecit, et inpensarum, quam rem publicam populumque Romanum fecit, incisarus duabus aheneis pilis, quae sunt Romae positae exemplar subiectum.

Annos undeviginti natus exercitum privato consilio et privata impensa comparavi, per quem rem publicam a qua dominatione factionis oppressam in libertatem vindicavi. Eo nomine senatus decretis honorificis in ordinem suum me adlegit C. Pansa et A. Hirtio consulibus consularem locum sententiae dicendae tribuens et imperium mihi. Res publica ne quid detrimenti caperet, me pro praetore simul cum consulibus providere iussit. Populus autem eodem anno me consulem, cum consul uterque in bello cecidisset, et triumvirum rei publicae constituendae.

- ► Introduction
- Climate
- Population
- ▶ Income
- ▶ Trade
- ► Production
- ▶ Technology

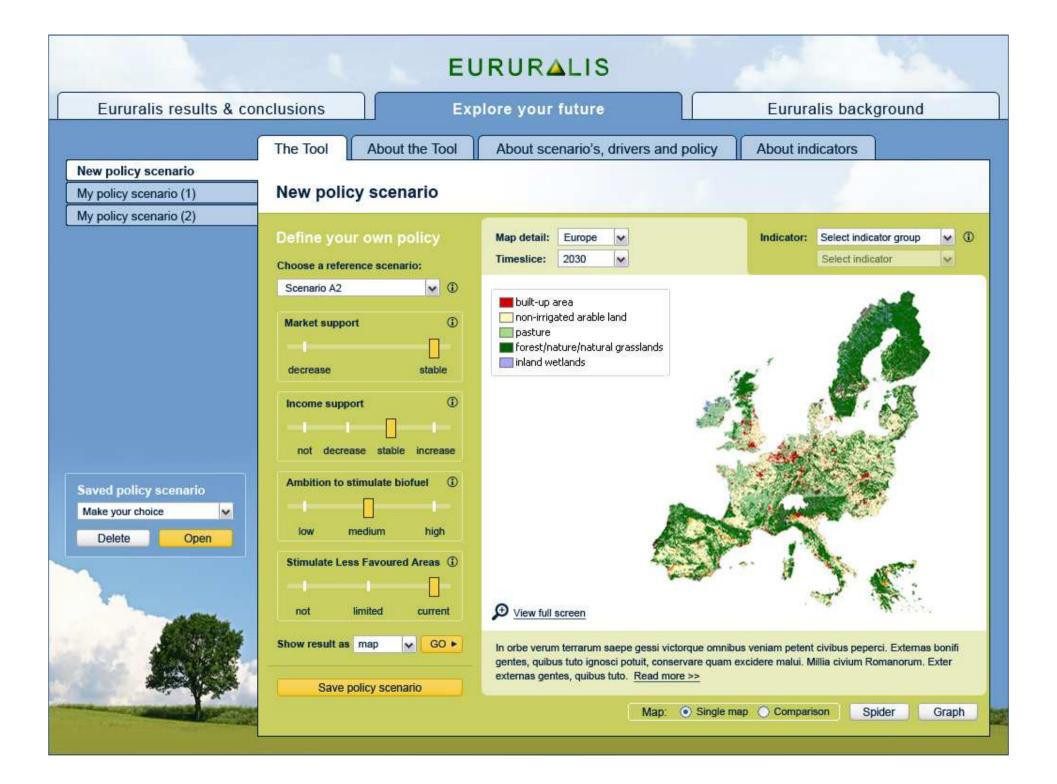


Qui parentem meum necaverunt, eos in exilium expuli iudiciis legitimis ultus eorum facinus et postea bellum inferentis rei publicae vici bis acie.

Bella terra et mari civilia externaque toto in orbe verum terrarum saepe gessi victorque omnibus veniam petent civibus peperci. Externas gentes, quibus tuto ignosci potuit, conservare quam excidere malui. Millia civium Romanorum sub sacramento meo fuerunt circiter qui. Qui parentem meum necaverunt, eos in exilium expuli iudiciis legitimis ultus eorum facinus et postea bellum inferentis rei publicae vici bis acie.

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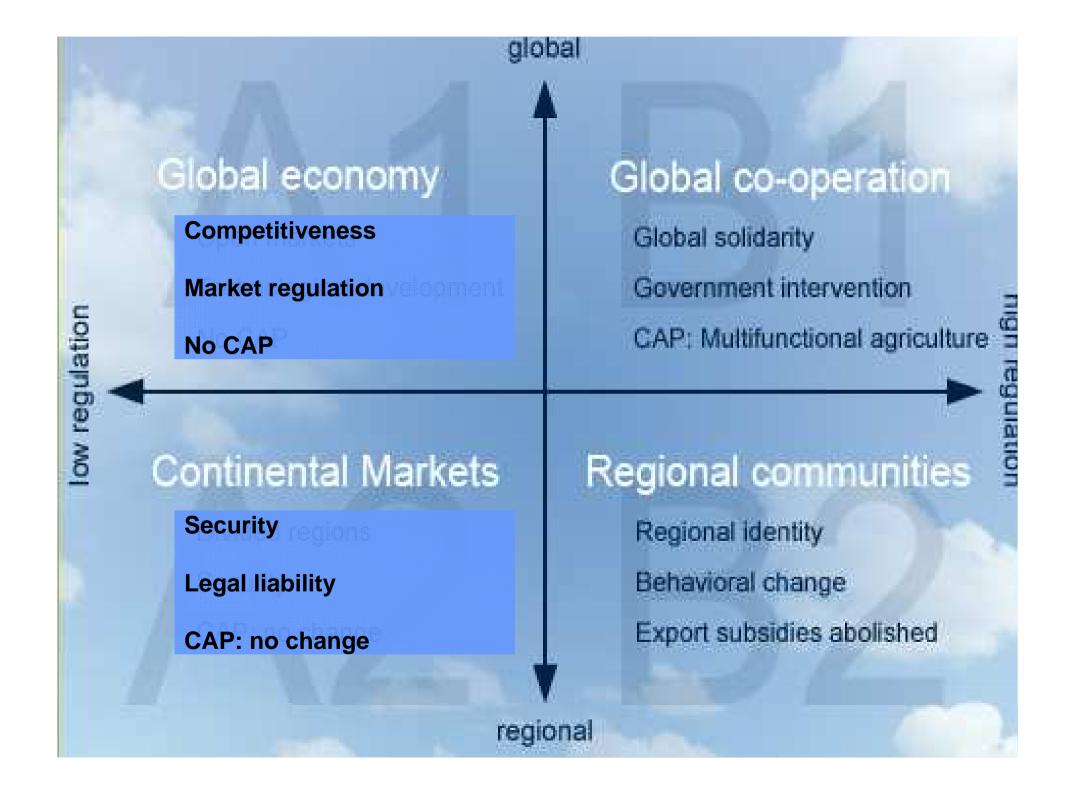
More information >>



Storylines

- Storylines around two axes of main uncertainties
- Storylines contain
 - Dominant values
 - Dominant steering philosophy
 - consistent policy packages
- Allows analyses policy options per storyline



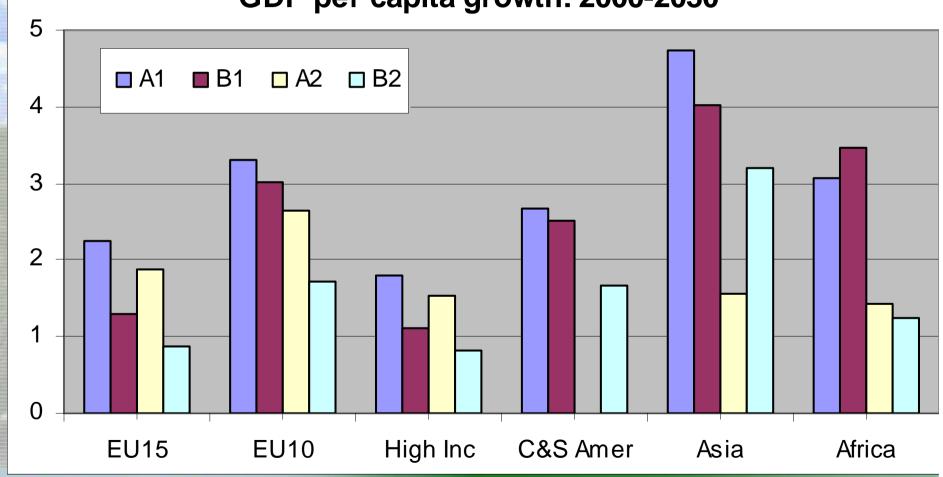


Assumptions storylines

		Population	Solidarity	Economy	Technolgy	Globalization	Government regulation
A CONTRACTOR OF	Global economy		/				/
	Global cooperation						
	Transatlantic Markets	<i></i>					
	Regional Communities	/				<i></i>	

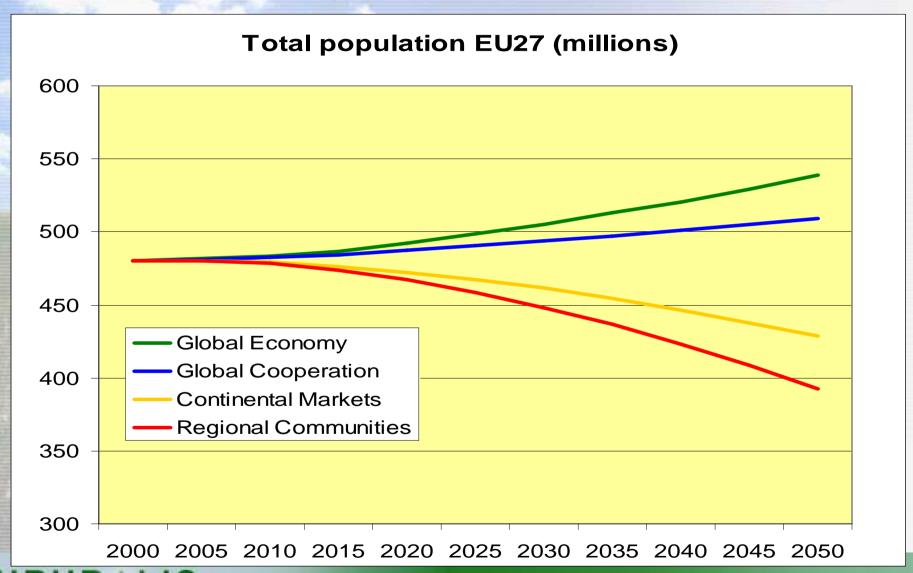
Major driving force I: macro-economic growth





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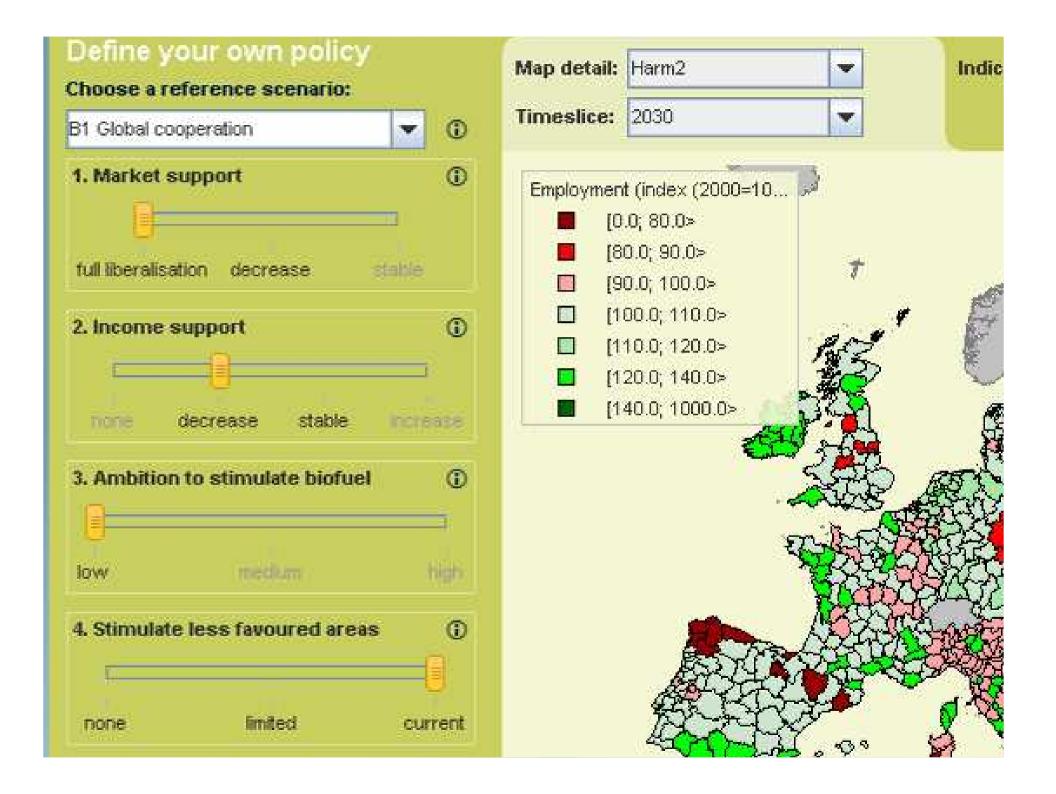
Major driving forces II: population



Standard policy assumptions per storyline:

	Global Economy	Global Co-operation	Continental Markets	Regional Communities
Export subsidies	Abolished	Abolished	No change	Abolished
Import tariffs Income support	Abolished Abolished	Abolished - 67%, linked to environmental and social targets	No change No change	No change + 10%, linked to environmental and social targets
Less favoured areas	Abolished in 2020	Abolished grassland → N2000	Maintained	Maintained

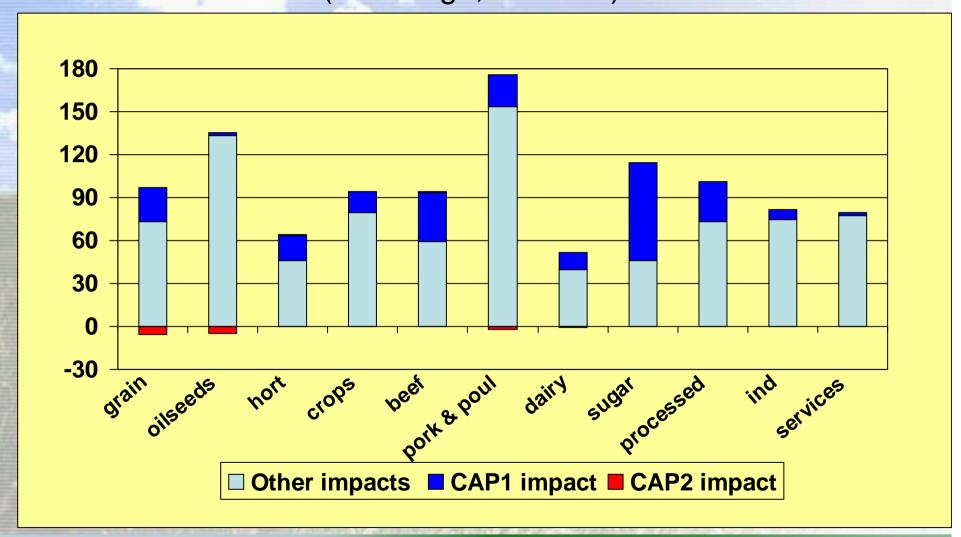
Also policy on Natura 2000, HNV, environment, spatial planning



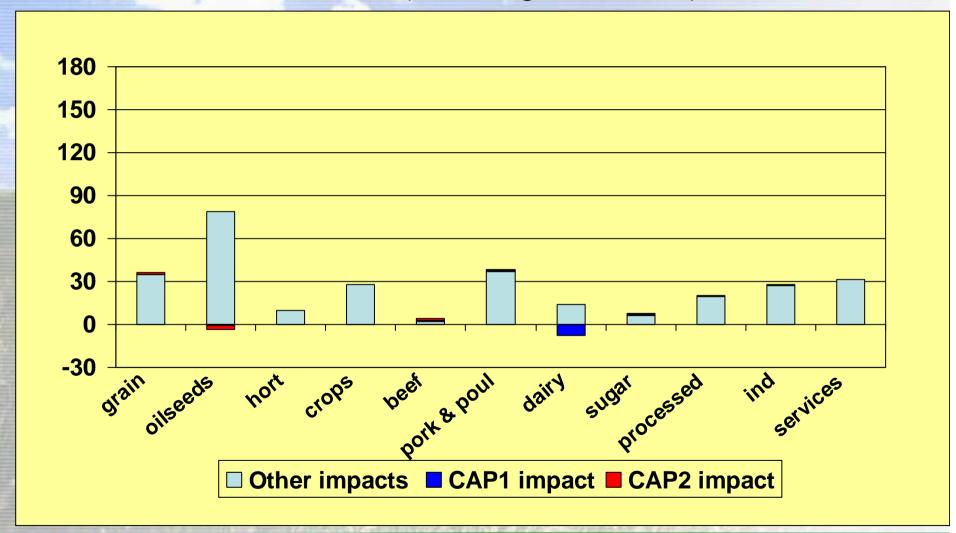
Common rural issues EU

- Economy
- Employment
- Energy
- Cultural heritage
- Biodiversity
- Environment
- Social cohesion
- Water

World Trade Growth in Global Economy Scenario (% change, 2001-30)

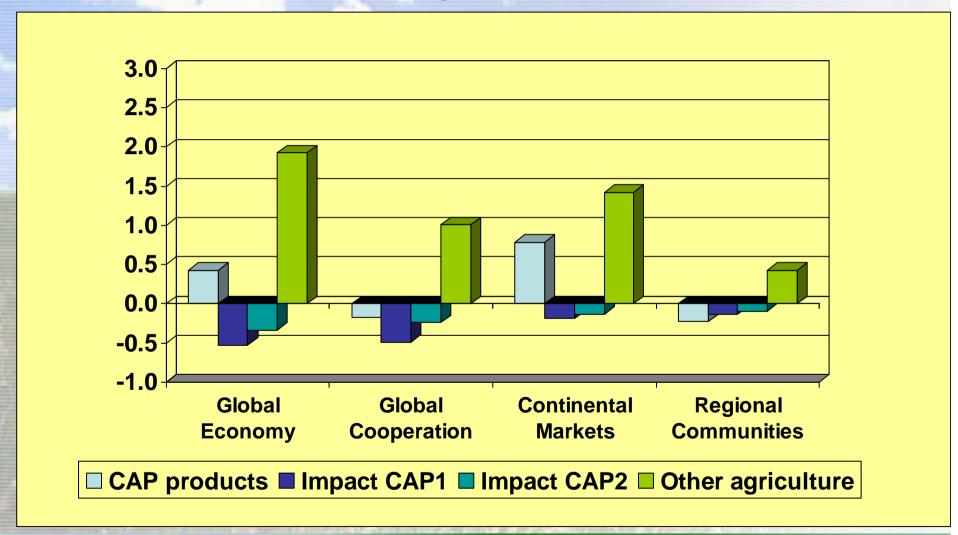


World Trade Growth in Regional Communities Scenario (% change, 2001-30)



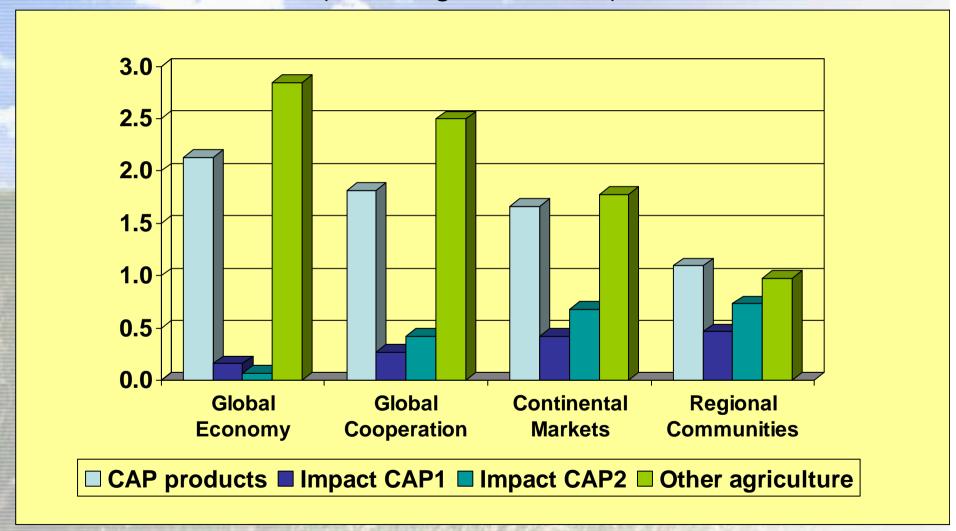
Economy - Sectoral Income in EU15

(annual growth rates)

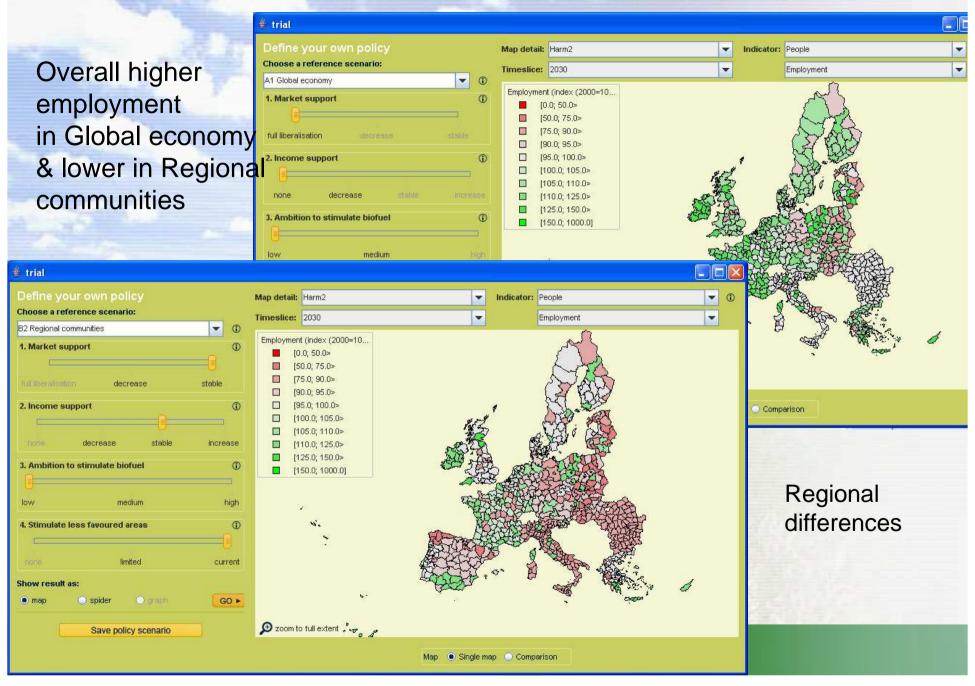


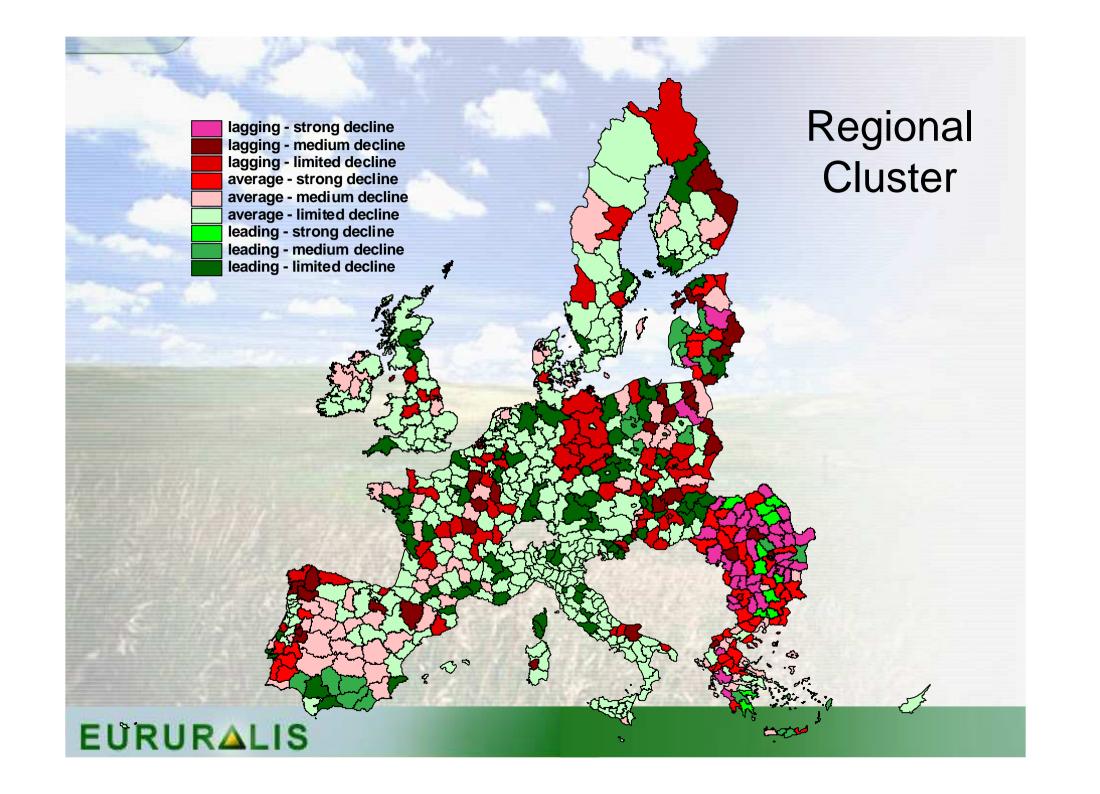
Economy - Sectoral Income in EU10

(annual growth rates)



Employment – leading & lagging regions





Energy – bio-energy towards 2030

Stimulate bio-energy policy First results show for Regional Communities:

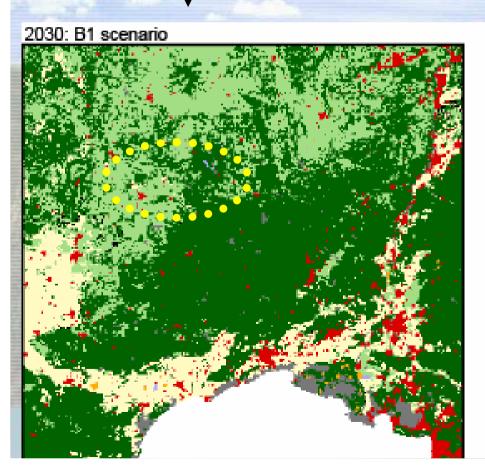
- increase of agricultural employment (4%)
- increase of GVA per farm (8%)
- smaller decline of share of agri in GDP (0,2%)
- area, biodiversity, environment ???
- Where? Logistics
- effect on global agriculture and food prices???

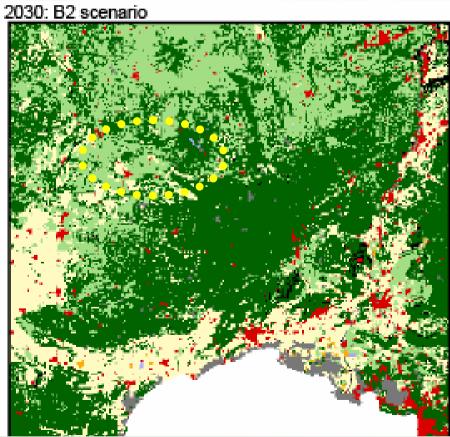
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Cultural heritage – landscape change

Abolished LFA policies:
Abandonment and natural succession
Reduced landscape diversity

Continued LFA policies:
Less agricultural abandonment
Maintained landscape diversity
Some abandonment on edges of LFA's





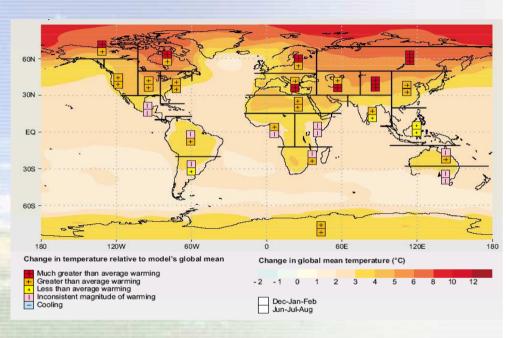
Biodiversity – future developments

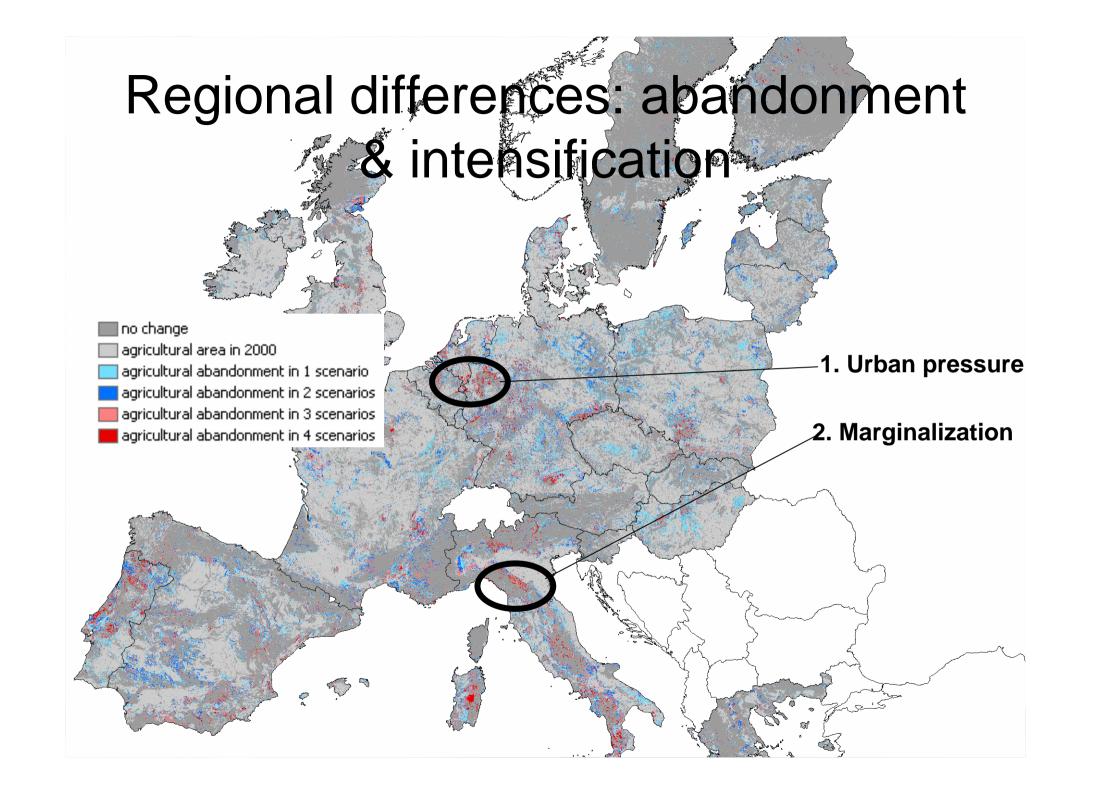
Global context

- Climate change
- Pressure on land

Local context

- Roads (fragmentation, disturbance)
- Protection policy (Natura 2000, HNV)
- Management (farm & forest)



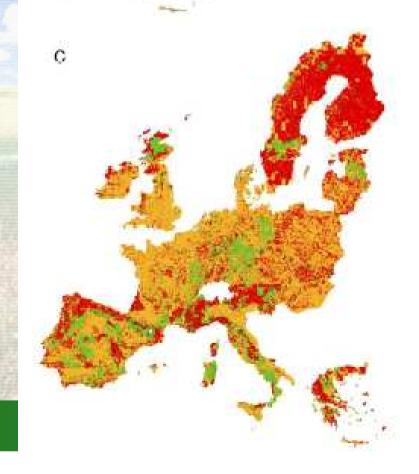


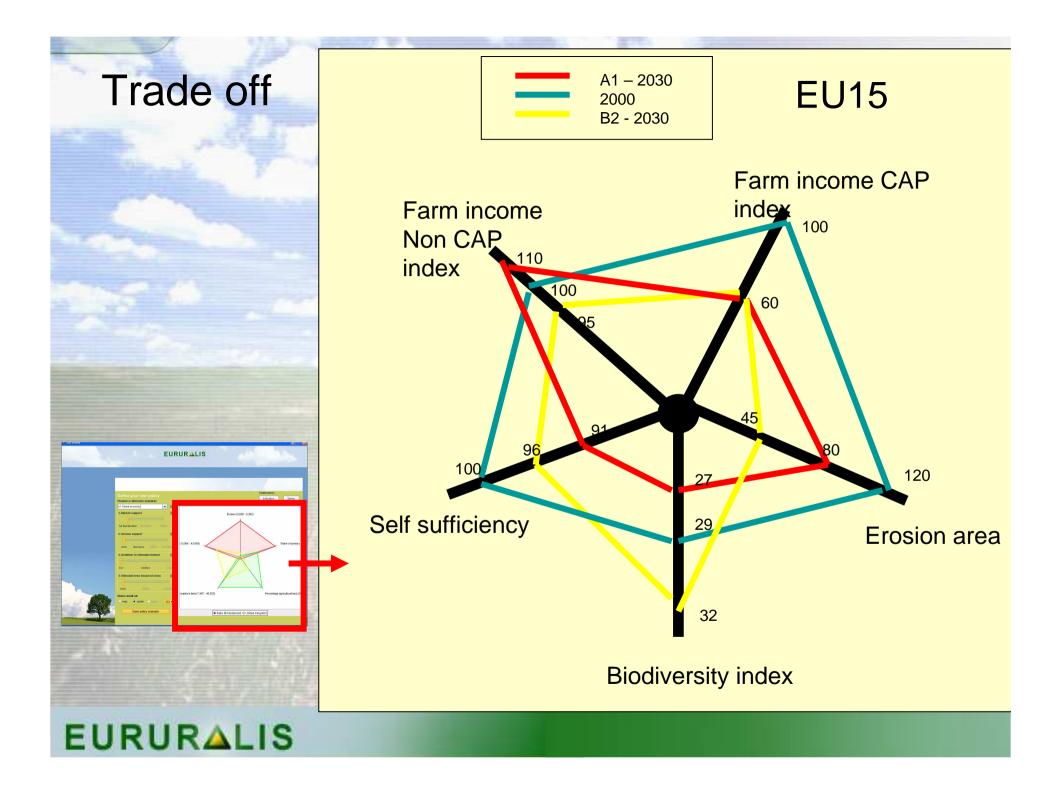
biodiversity

Main impact from land-use change Spatial policies, environmental + agro environmental policies influence spatial patterns of agriculture and abandonment

A2 - continental markets

B1 – global cooperation





Conclusions

- Eururalis can help discussion on future of rural Europe
- Main drivers are demography, macro economic growth
- Agricultural policy has a significant effect (income, number of farms)
- Results show:
 - A continued decline of agro employment and share in GDP
 - Agricultural land-use remains strong in all scenarios;
 - Biodiversity is under pressure
- Though regional differences are large;
- EU solidarity means regional policies for the lagging regions.....

