Institute of Agricultural and Forestry Economics University of Natural Resources and Life Sciences, Vienna, Austria Lena Schaller and Jochen Kantelhardt



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# Provision of public goods/ecosystem services from agriculture

**Projects:** 

Supporting the role of the Common agricultural policy in LAndscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy

**PROVI**ding smart **DE**livery of public goods by EU agriculture and forestry



Supporting the role of the **C**ommon agricultural policy in **LA**ndscape valorisation: Improving the knowledge base of the contribution of landscape **M**anagement to the rural economy

#### Topic: The CAP and landscape management

2012 - 2015



#### **Expected impact**:

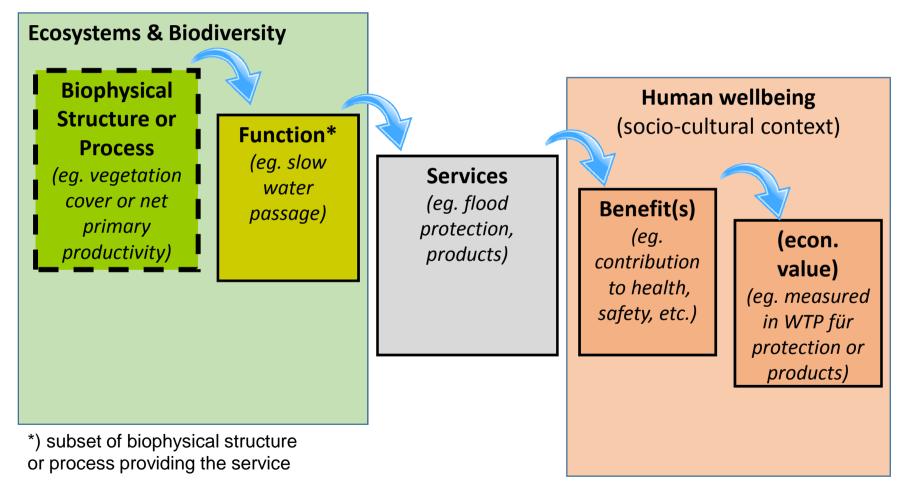
• A conceptual framework which disentangles the connection between agricultural management, agricultural landscapes, the valorisation of agricultural landscapes and its contribution to rural development and competitiveness.







#### **Ecosystem services** as drivers for socio-economic benefits



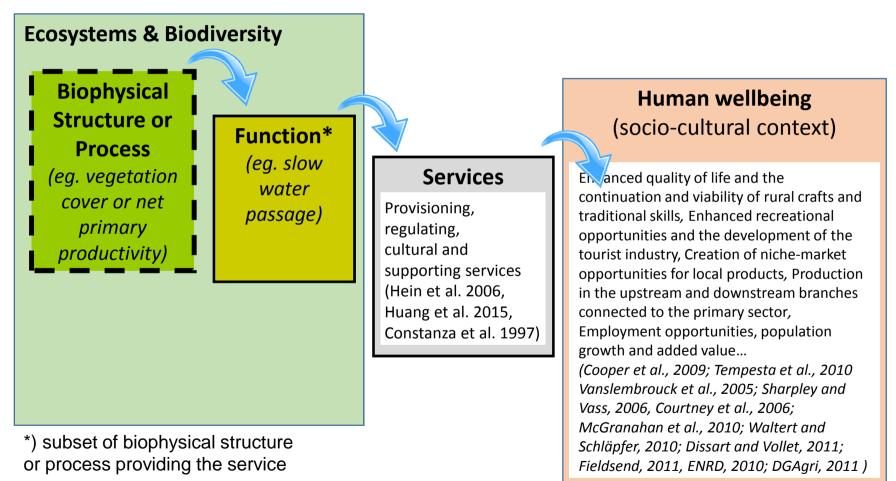
Source: adapted from De Groot et al., 2010







#### **Ecosystem services** as drivers for socio-economic benefits

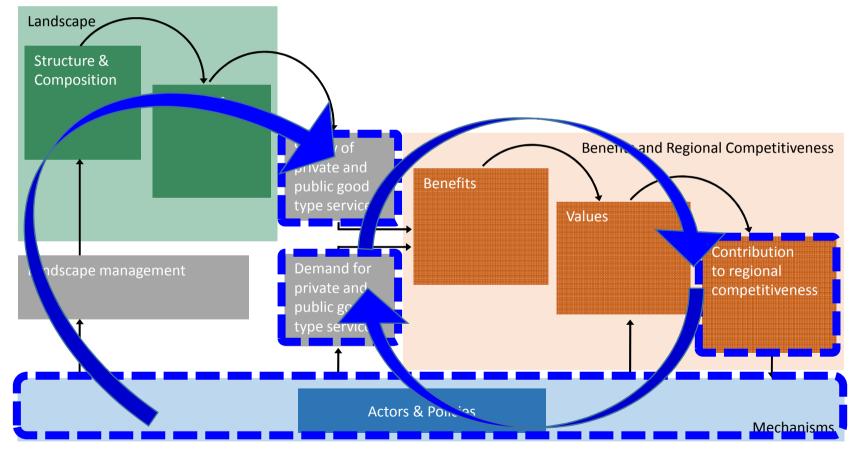


Source: adapted from De Groot et al., 2010





## Cause-effect chains and socio-economic benefits from the use of agricultural ecosystem services in the CLAIM framework

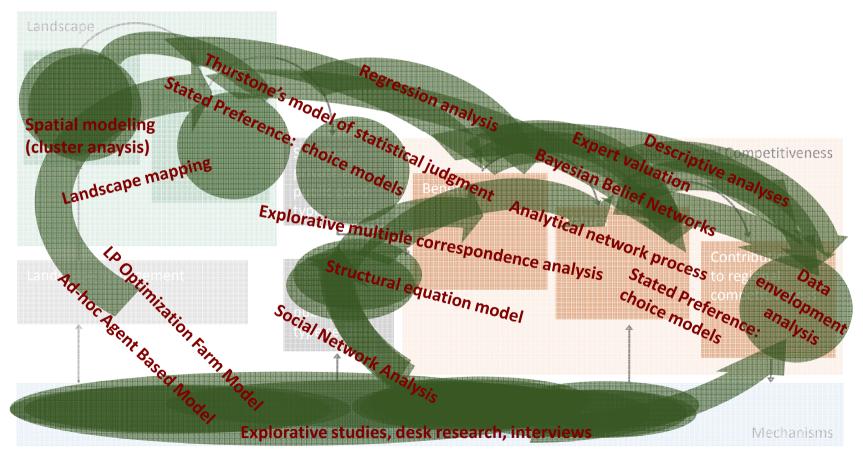


Van Zanten et al. 2015 (Based on: Haynes-Young and Potschin, 2010; De Groot et al., 2010)





## Cause-effect chains and socio-economic benefits from the use of agricultural ecosystem services in the CLAIM framework

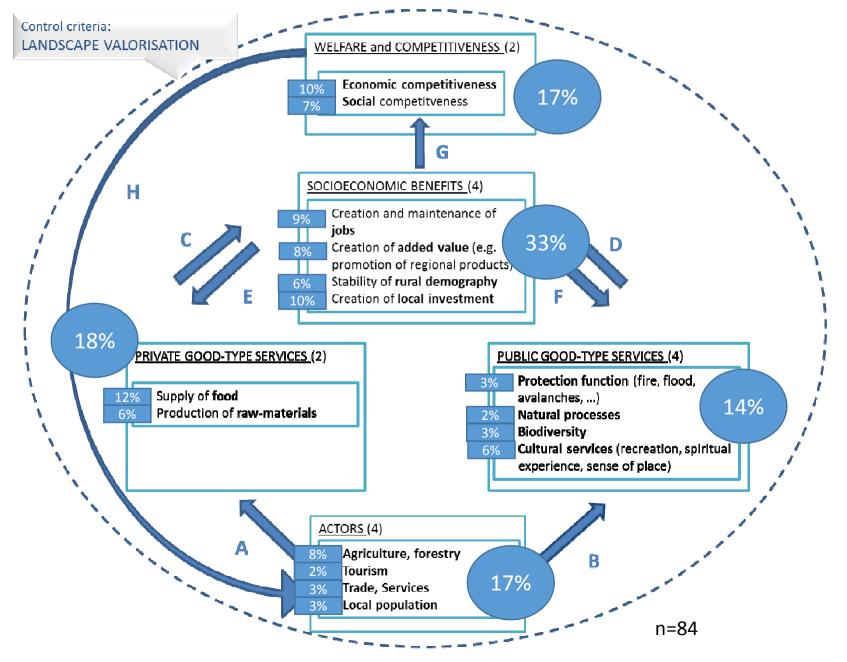


Van Zanten et al. 2015 (Based on: Haynes-Young and Potschin, 2010 De Groot et al., 2010)



#### **Analytical Network Process**

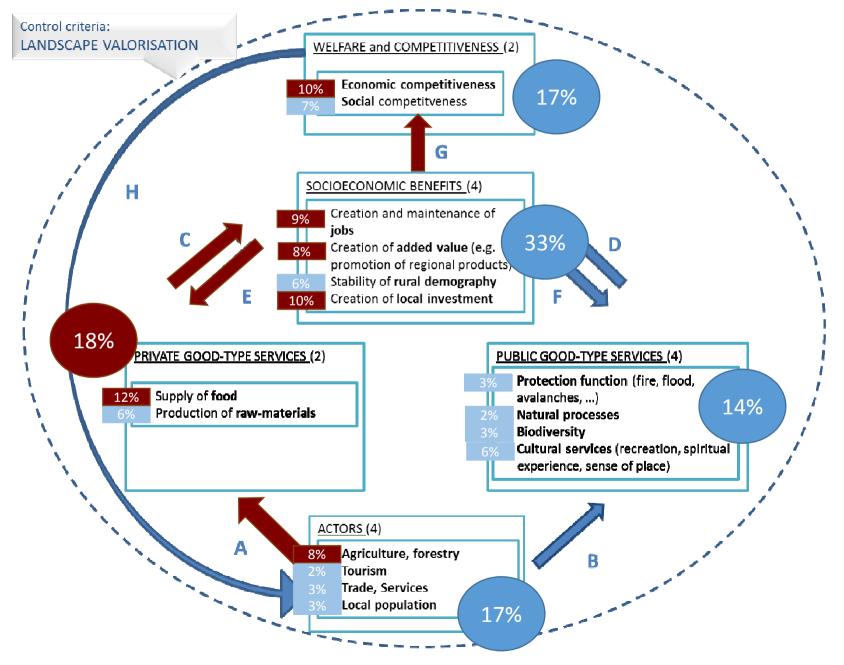






#### **Analytical Network Process**

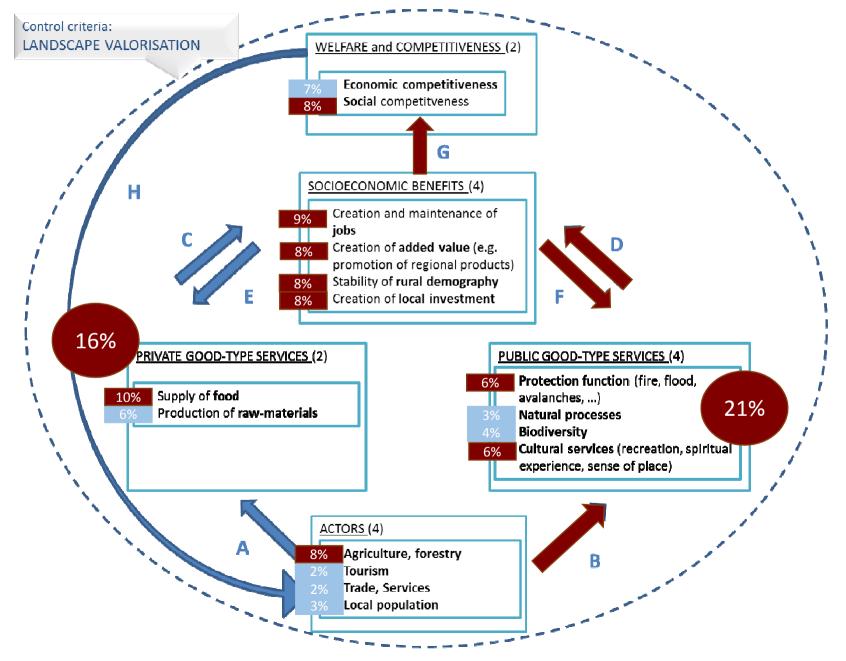






#### **ANP results Mittleres Ennstal**









#### Some conclusions from CLAIM

- The set of empirical analyses corroborates the concepts underlying the theoretical framework.
- The studies show that private as well as public good-type landscape services provide socio-economic benefits for rural economies.
- The studies detect a higher consciousness towards consumptive and marketable goods provided by a certain environment, than towards essential, but hardly discernible, benefits from the use of public good-type services.
- The low consciousness towards "economic" benefits downstream public good-type services might occur because cause-effect chains are complex and distinctly region specific
- Improve the awareness of stakeholders and provide knowledge to reduce a knowledge distance and make population aware of the manifold services provided by the landscapes they are surrounded by
- Foster the development and installation of public-good related governance strategies
- Governance strategies with regard to public good provision have to be context- specific and have to consider regional conditions

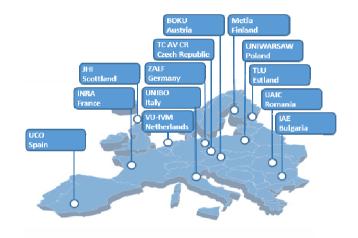
**PROVI**ding smart **DE**livery of public goods by EU agriculture and forestry



<u>Topic:</u> Provision of public goods by EU agriculture and forestry: Putting the concept into practice



2015 - 2018



#### **Expected impact**:

• Developing a conceptual basis, evidence, valuation tools and improved incentive and policy mechanisms to support the "smart" provision of public goods by the EU agriculture and forestry ecosystems.

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### **Thank you!**



