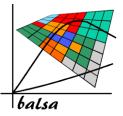


Bioenergy and Water Workshop UNEP (Paris Office)



SRC implementation as an element of regional climate protection planning - a landscape-related assessment

Gerald Busch/BALSA

Buro for Applied Landscape Ecology and Scenario Analysis

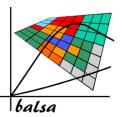




Rationale of the project



- visualize and analyze options of SRC on arable land
- potential impact on landscape functions/ecosystem services
 - address regional stakeholders and decision makers
 - discuss findings at regional workshops
 - 'landscape assessment' project within the BEST-framework – led by Balsa/Gerald Busch





Strategies for the utilization of woody biomass as a means of sustainable regional land management















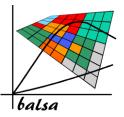












Regional policy



Regional actors

- What is a feasable supply of woody biomass?
- Where are suitable areas?
- What are the ecological effects?
- What are the impacts on economic return

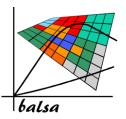
Conservation Planning

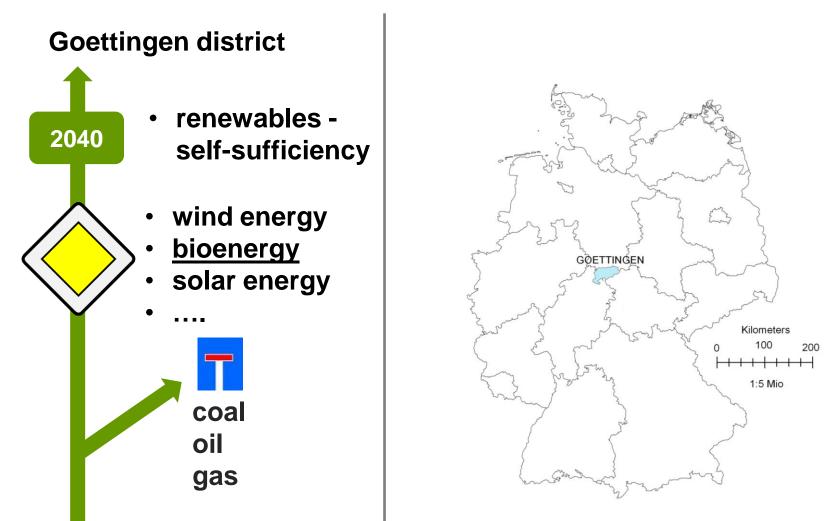






Policy goals and study area





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NW-FVA Nordwestdeutsche Forstliche Versuchsanstolt

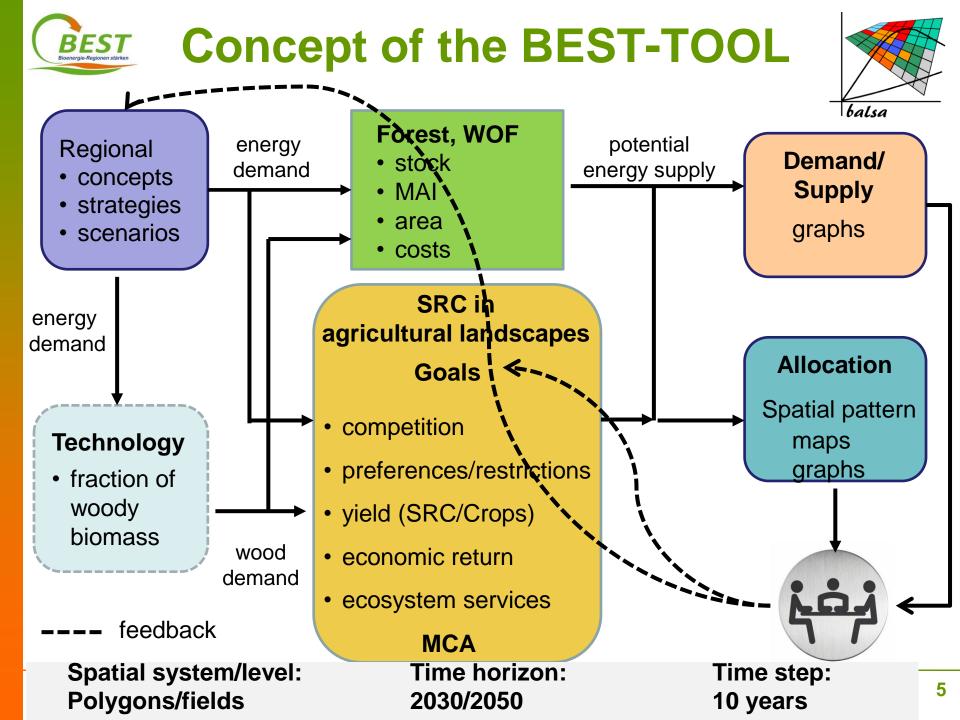








4



From quantitative to qualitative

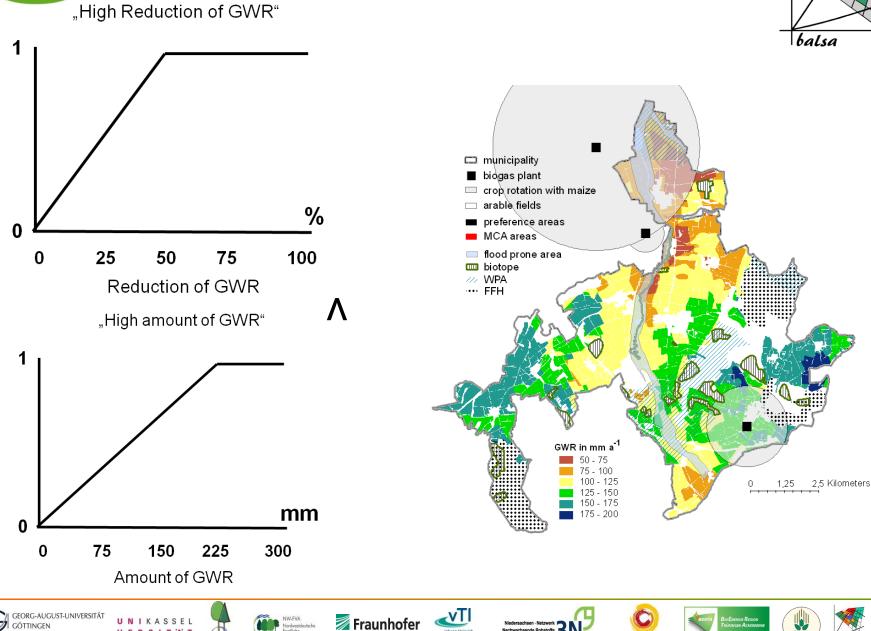
BEST Bioenergie-Regionen stärken

ASSEL

VERSITÄT

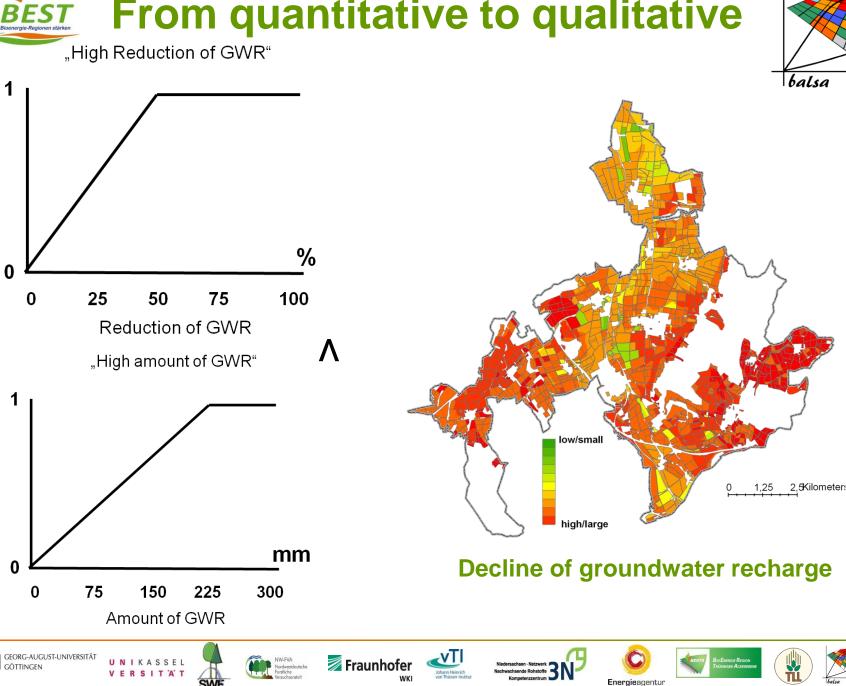
GÖTTINGEN

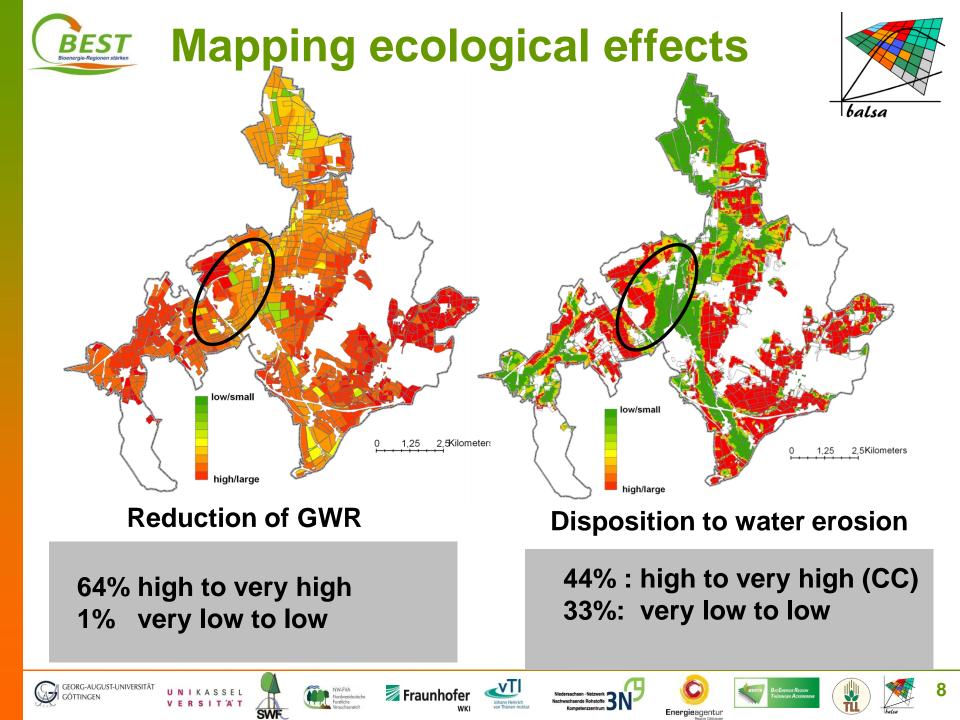
balsa

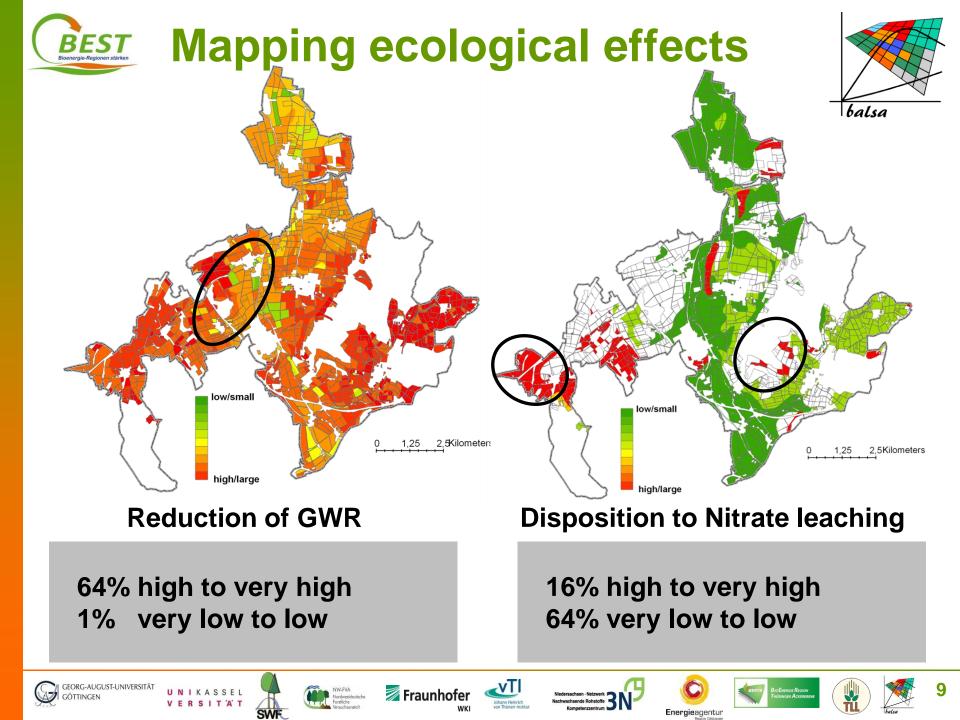


Energieagentur

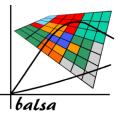
From quantitative to qualitative



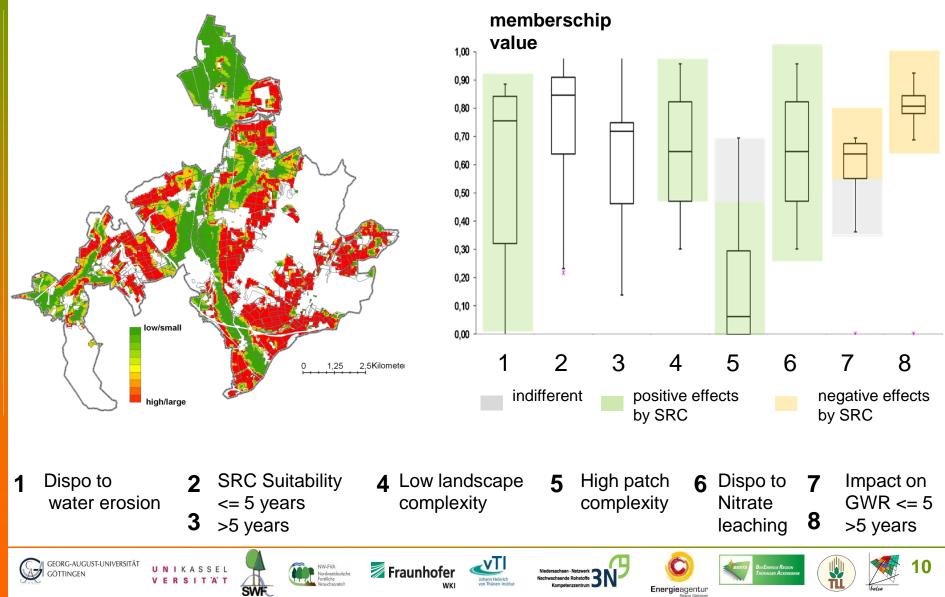






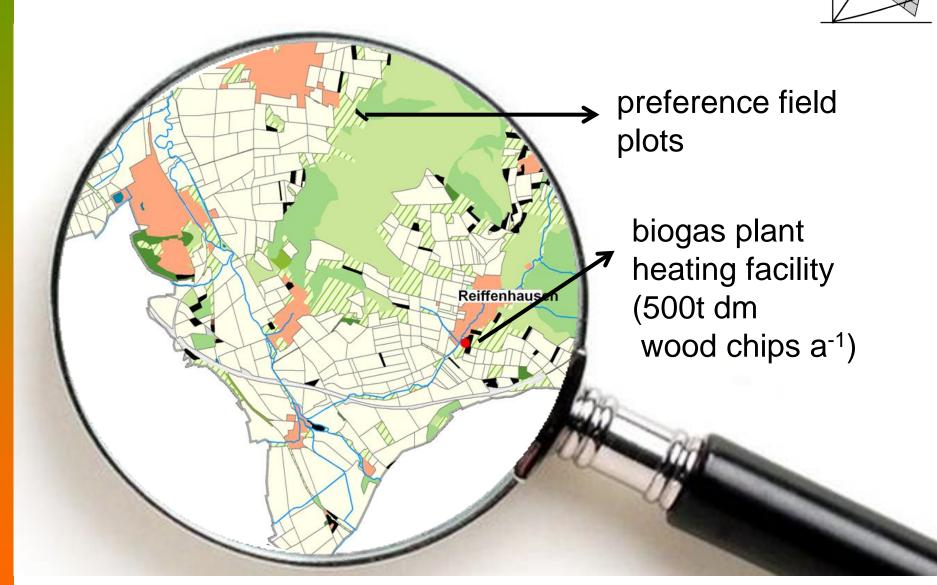


Disposition to water erosion





Case study example

















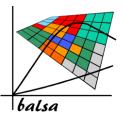


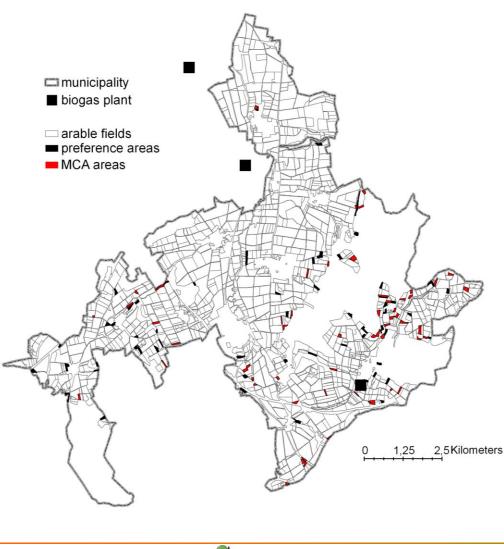






MCA case study example Reiffenhausen





Criteria:

- Max. disposition to water erosion
- Max. SRC-productivity
- Min: difference in economic return

Procedure:

MADM: Multi-Attribute-Decision Making AHP: Analytic Hierarchy Process

	MCA	Pref.
t atro ha ⁻¹ a ⁻¹	11,5	8,2
No.	60	115
Ø Difference	-90€	-160€
Ø Distance	3.5km	4.0km
Area	45ha	82ha

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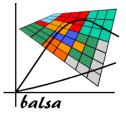








Wrap up



 A qualitative and <u>unified</u> evaluation system facilitates the comparison and the communication of ecological effects

- Potententially beneficial effects of SRC could be utilized when having a <u>clear agenda</u> of production and protection goals
- The agenda setting should be part of regional REstrategies and/or climate proection plans - an <u>accompanying landuse strategy</u> is needed

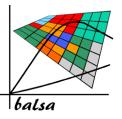
Energieagentu

🖉 Fraunhofe









Thank you!

