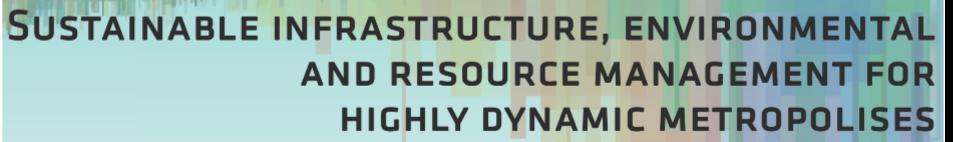
RAPID PLANNING







REGIONAL IMPACT ASSESSMENT OF TRANS-SECTORAL

URBAN PLANNING

SSPCR 2017 I 23 MARCH 2017 I BOZEN, ITALY

NADJA CARIUS - IZES GGMBH



INTRODUCTION: THE RAPID PLANNING PROJECT

- Rapid Planning (RP) is an action-oriented research project
- developed and funded by the German Federal Ministry of Education and Research (BMBF) (2014 - 2019)
- targets urban development and infrastructure supply in four case cities
- 11 German partners and UN-Habitat





OBJECTIVES OF THE RAPID PLANNING PROJECT

- addresses the sectors waste, water, wastewater, energy and urban agriculture and food systems
- identifies interlinkages and synergies between the sectors
- fosters sustainable urban development through efficient and/ or trans-sectoral planning and improved management approaches
- main academic objective: development of a trans-sectoral urban planning methodology with focus on the provision and improvement of urban basic services





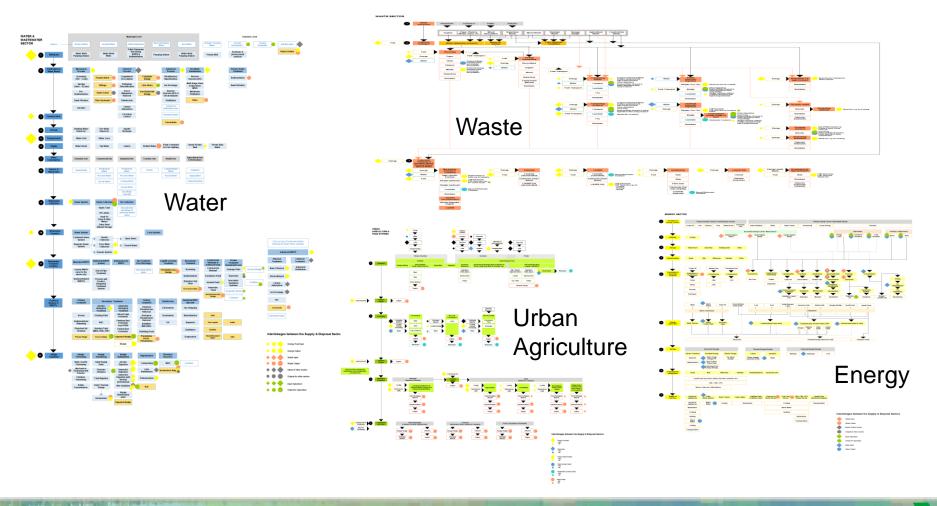
CORE AREAS

- Data generation, computation and management
 - methodologies and technologies
- Support of planning and decision-making
 - trans-sectoral scenario simulation and strategic pre-planning
 - examination of the legislative framework
 - identification of economically feasible technology options
- Capacity development
 - summer schools, capacity development workshops, etc.
- Empowerment, stakeholder participation & 'change management'
 - analysis of the administrative and stakeholder system
 - involvement of all stakeholders in planning and decision-making



RAPID PLANNING Www.rapid-planning.net

TRANS-SECTORAL INTERLINKAGES





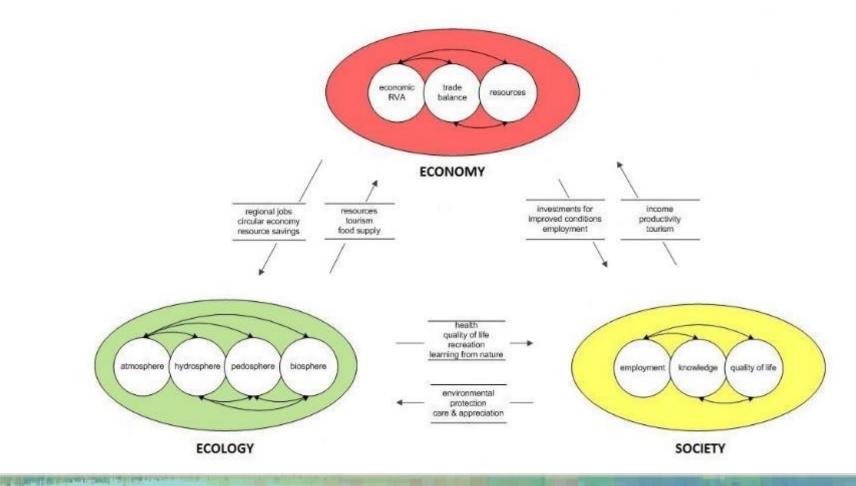
RAPID PLANNING

www.rapid-planning.net

Market State Company of the Company

Federal Ministry of Education and Research

REGIONAL IMPACT ASSESSMENT





SYNERGIES OF AGRICULTURE AND WASTE IN DA NANG: USE OF ORGANIC WASTE AS FERTILISER

- Regional value added:

- higher yields=higher incomes
- substitution of expensive, imported mineral fertiliser
- support of organic agriculture
- (self-)supply of poorer people
- increase of organic matter in soil

- Barriers:

- lack of knowledge and willingness (age of farmers)
- alternative uses of organic waste (biogas)
- market access/certification/marketing of own products (fertiliser and food)



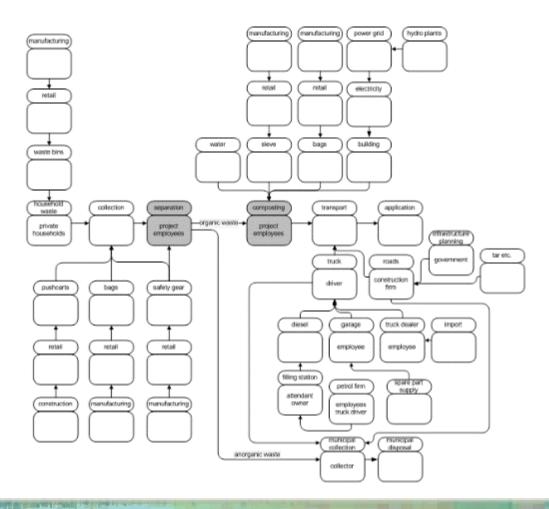




diditalization me, alienament

Federal Ministry of Education and Research

COMPOST VALUE CHAIN



- Definition of regional part of value chain
- Comparison to a reference scenario
- Determination of value added with selected indicators



REGIONAL IMPACT ASSESSMENT

Economic Indicators

Investment/Value Added

Vulnerability

Product Quality & Information

Local Economy

Social Indicators

Quality of Life

Knowledge/Education

Employment

Fair Access/Self-supply

Ecological Indicators

Atmosphere

Hydrosphere

Pedosphere

Biosphere

Material & Energy Balance

Animal Welfare



THANK YOU FOR YOUR ATTENTION!

Contact:

Nadja Carius

IZES gGmbH in Saarbrücken, Germany

E-Mail: carius@izes.de

Phone: 0049 (0) 681 9762 167

Project Homepage: www.rapid-planning.net

