



Regional strategies for energy innovation, climate protection and job creation

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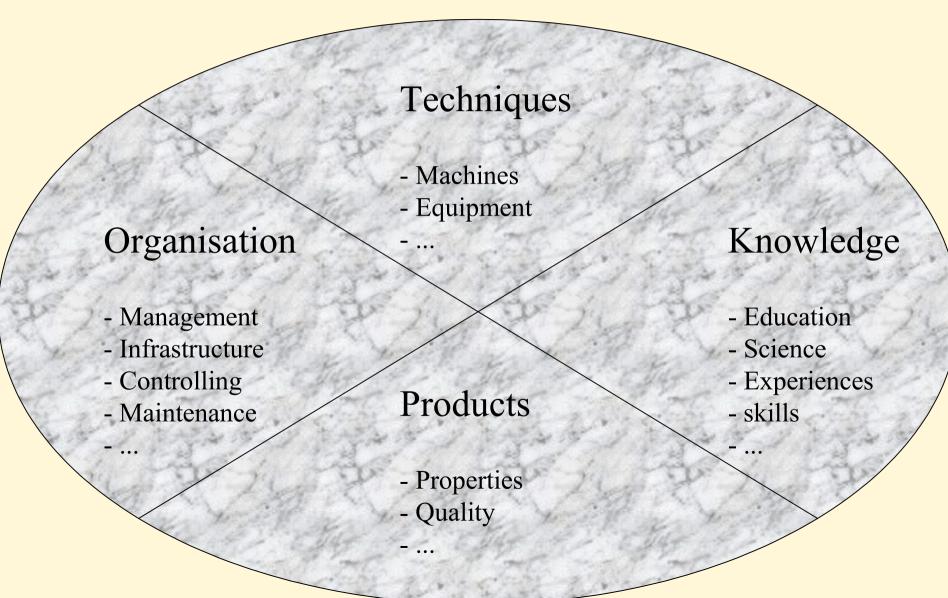
Dirk Wolters

Rio de Janeiro, 9.11.2001

Wuppertal Institute: Organisational scheme

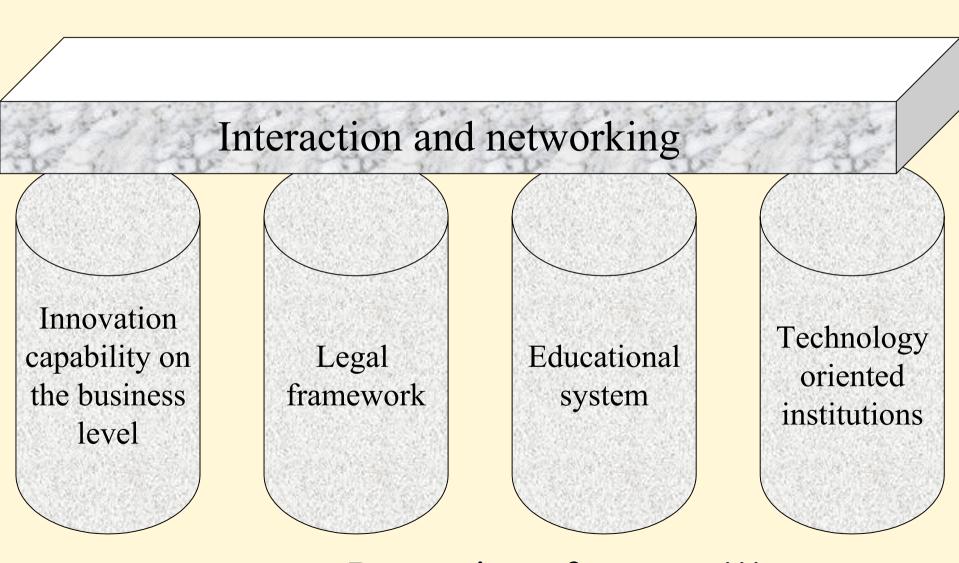
Research Co-ordination	President's Office	President	Administrative Director	Science Centre North Rhine-Westphalia Institute of Work and Technology	Institute for Culture Studies Wuppertal Institute for Climate, Environment and Energy
SERVICES		ublic Relations L	lisation Internet ab	Computer services	Library
New Models of Wealth	Climate Policy	Material Flows and Structural Change	Energy	Transport	ADMINISTRATION
Sustainable Livelihood. Work and social relationship with nature.					
Growth and Globalisation.	Climate policy.	Environmental accounting and sustainability analyses.	Energy economics and policies.	Models and criteria for sustainable mobility.	Financial Admin.
Eco-efficiency & Sustainable Enterprises Sustainable management	Climate policy strategies for sustainable	Material flow analysis and resource management.	Energy in buildings. Municipal policies.	Vehicle and information technologies.	Project Admin.
systems for product chains and sectors. Knowledge transfer towards a sustainable economy.	development.	Globalisation and sustainability.	Scenarios and new energy sources.	Transport development and policy instruments.	Personnel Admin.
Systems Analysis and Simulation	Instruments.	Communication and education.	Energy efficiency in the private sector.	International co-operation.	Technical Services
Integrated modelling for sustainable development.					6/00





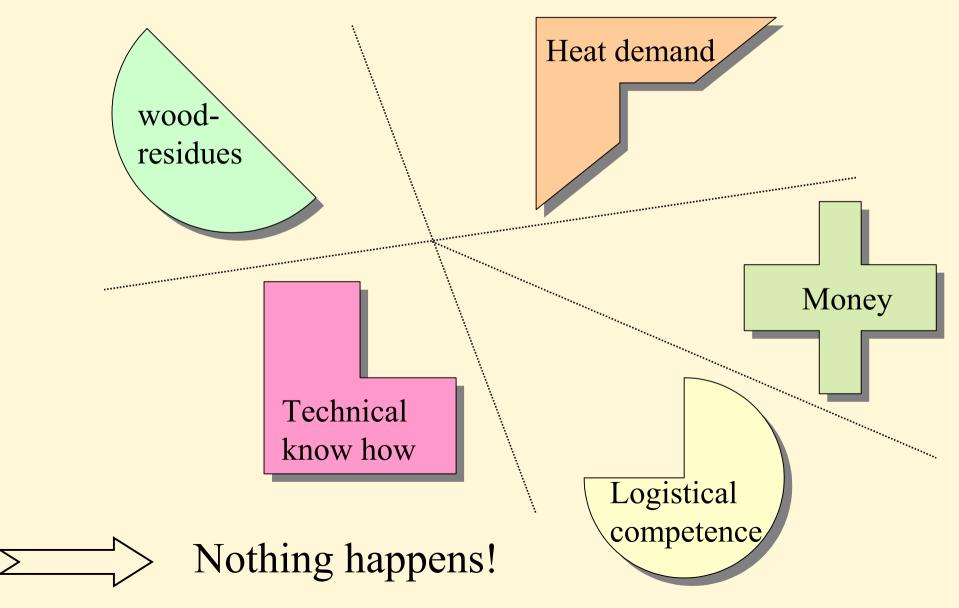


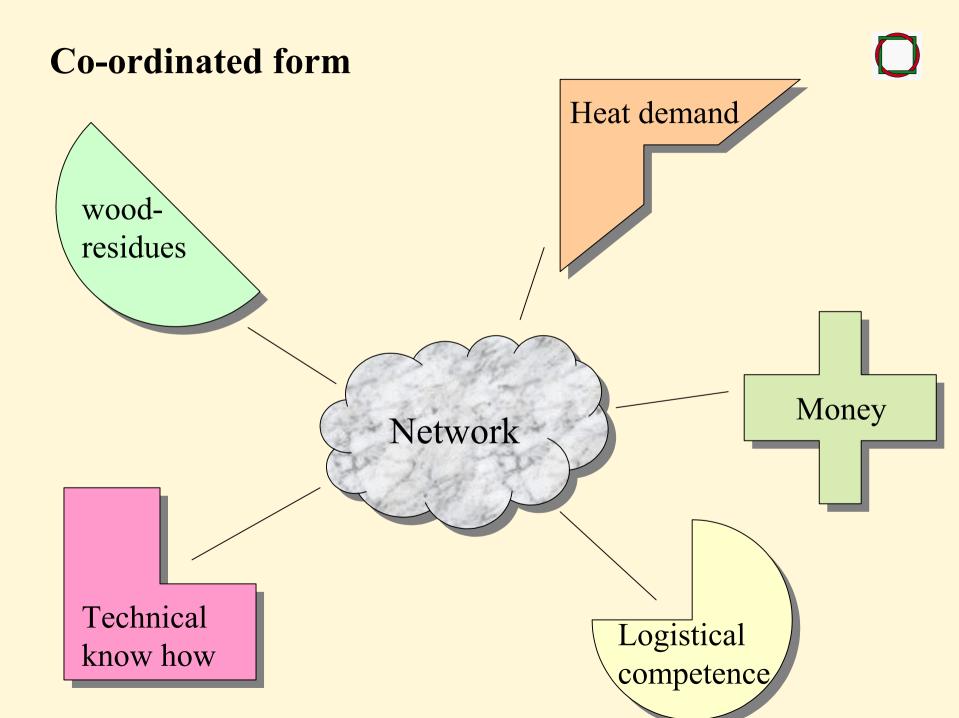
The 4 pillars of technological competence



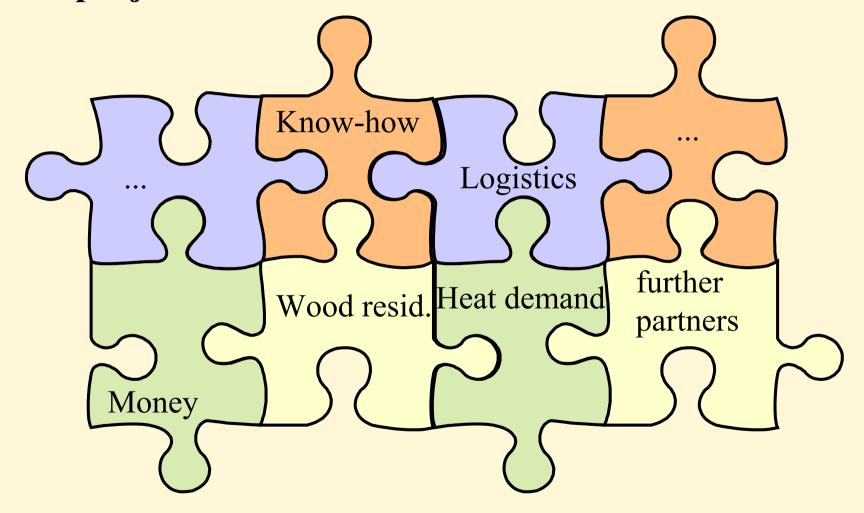
=> Promotion of systems!!!

Common form of activities





New project constellation



=> Added value by using synergies



Energy agencies in Germany

Since 1987 more than 20 energy agencies are founded, during the last years more and more on a regional level.

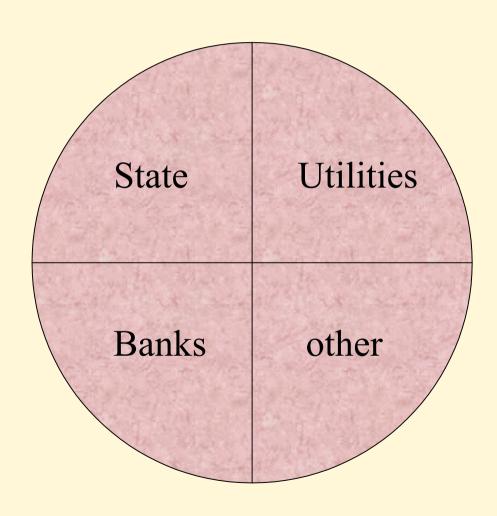
Alltogether appr. 250 jobs are created directly in the agencies.

We know two types of agencies:

- M&I agencies: motivation, information, mediation, networking, qualification, initial advising (mainly indepedent and cost free)
- C&G agencies: own planning, financing and operation of projects and plants with the purpose of profit

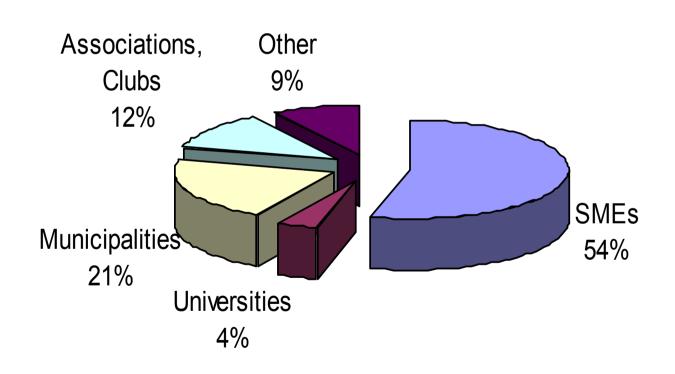


Owner of energy agencies





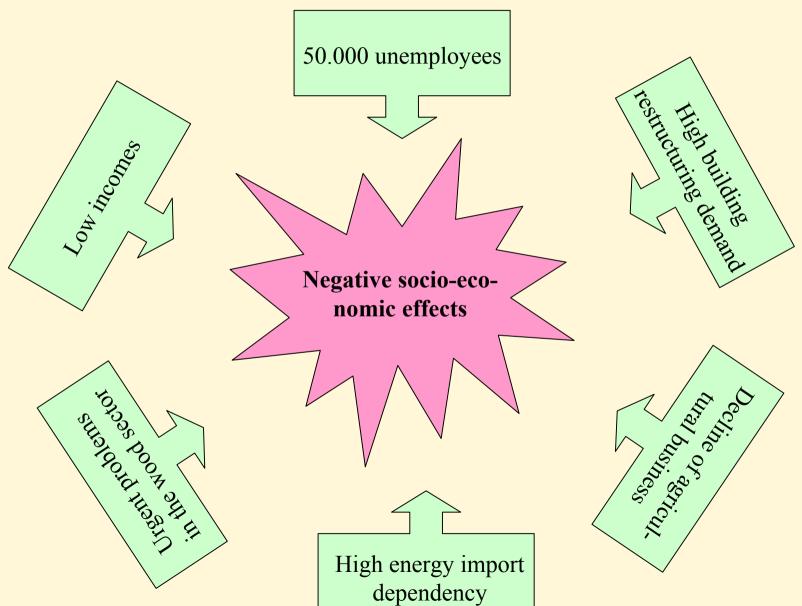
Reached target groups



Remark: in recent times more and more households

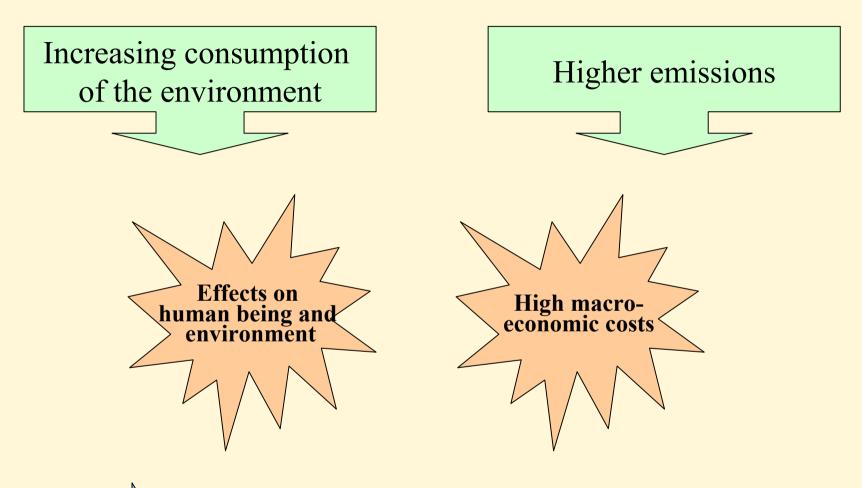


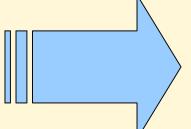




Ecological situation







Climate protection measures are necessary!



Some good conditions

Stakeholder have high interest

Good institutional basis

Linked to the economic office

Innovative enterprises

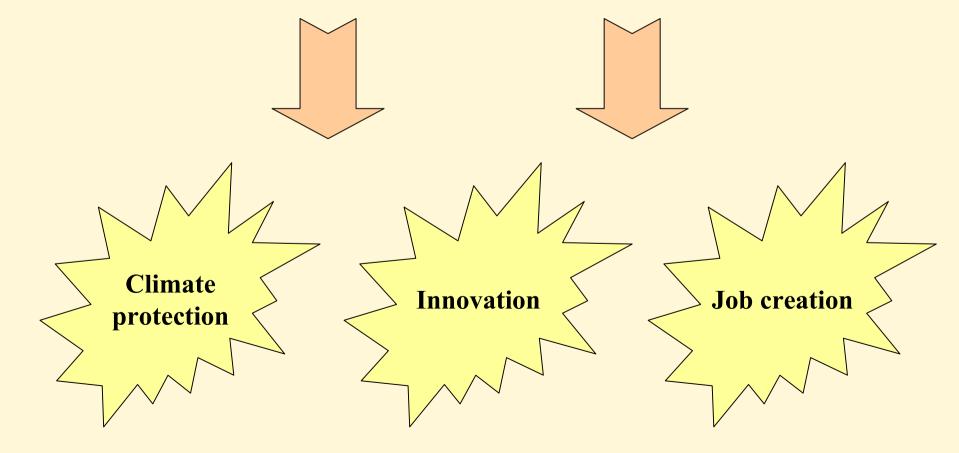
High energy resources

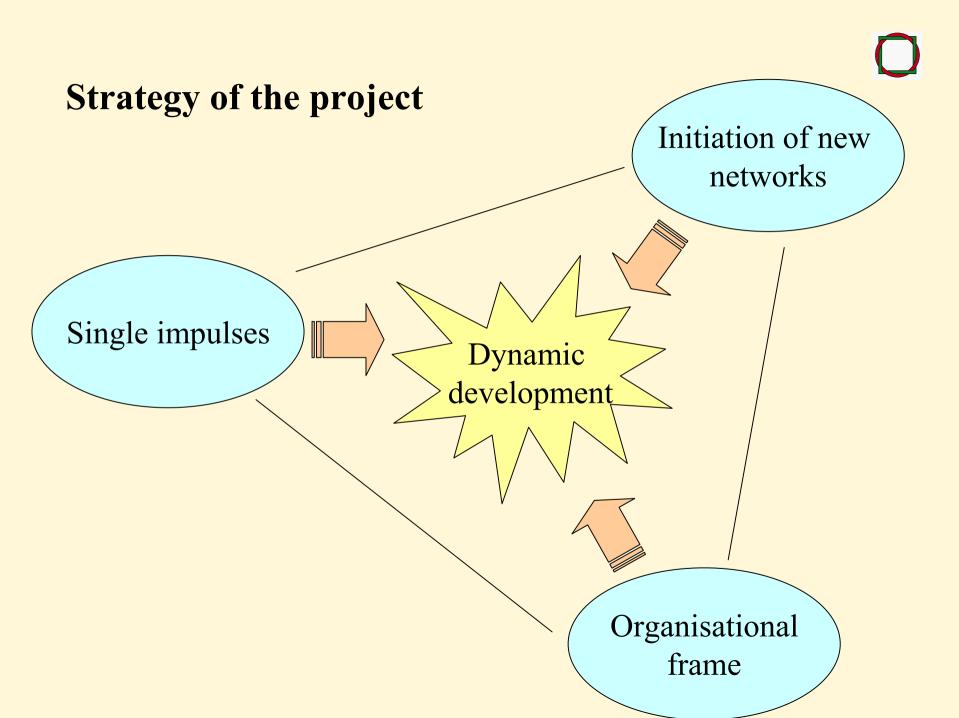
Approaches to solve some problems

Cogeneration and biomass

Efficiency of buildings

New utility business fields





Biomass/cogen activities



Description of techniques

Potential assessment

Showing reference-projects



Preliminary analysis of possible projects

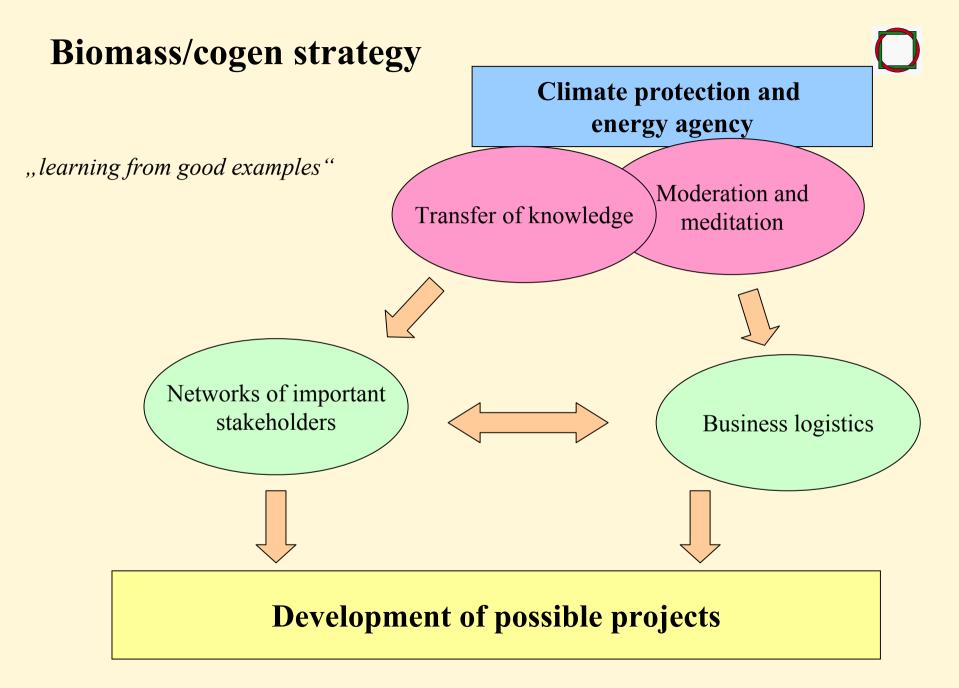


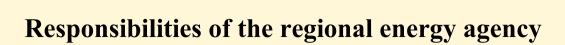
Concrete drawing of business logistics

Regional cross sectoral approaches



Handbook "From theory to practice"







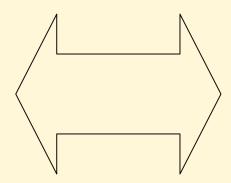
Contents and topics

Heat insulation for old-/new building

Energy conservation in SMEs

Renewable energies

Co- and Trigeneration



day-by-day job

Initial advice

Know how transfer

Co-ordination

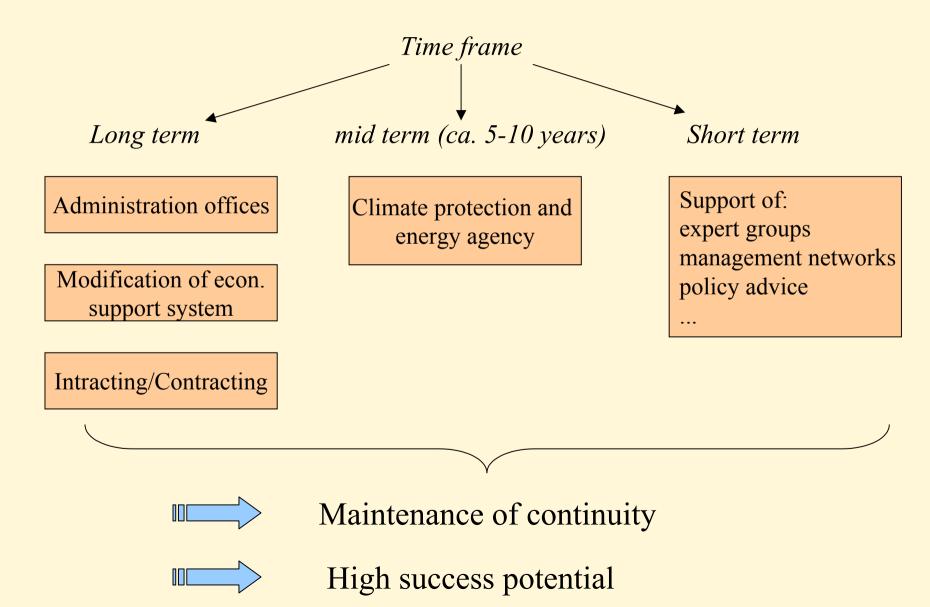
Policy advising

Information transfer

Qualification



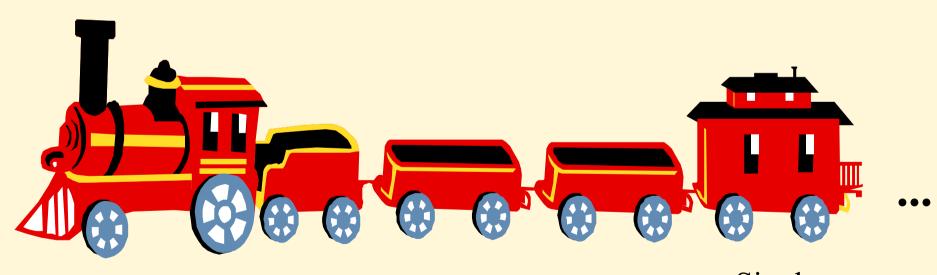




Way out: understand problems as a chance



Regional government should (for restricted time) act as locomotive



Regional districts

Communities

Organisations Single stakeholder

a.o.