

enerCOAST

BlueGreen Coastal Energy Community

**Transnational Cooperation Seminar
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Interreg IV, North Sea Region: 2nd Call, 03/ 2008

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The challenge

- EU renewables policy: 2020 target
- Promote economic development via knowledge generation (Lisbon)
- Reduce emissions (Gothenburg, Kyoto, Bali ...)
- Regional demand for energy self-sufficiency

The problem

Many bionergy initiatives fail due to

- Lack of business perspective
- Lack of reliable supply chain management
- Lack of economies of scale

The dilemma

- How to initiate and run transnational learning processes?
- How to pursue a transnational strategy **AND** deliver the goods on the home front?

„Transnationality“

>> an operative definition

**Develop common solutions
to common problems**

The transnational solution

- Commitment to a common business model:
Sustainable Supply Chain Management
- Uniform approach to evaluating innovation potential in regional markets
- Regional pilot projects to enhance bioenergy supply chain management
- Transnational stakeholder participation in pilot projects via study tours

Strategic goals

- Reduce regional dependency on imported energy through activation of domestic resources
- Intensify co-operation between producers of biomass, waste management and energy infrastructure authorities and stakeholders
- Boost regional bioenergy production through enhanced supply chain economics
- Strengthen the energy co-operation within the Region's coastal societies
- Deliver a clear North Sea regional contribution to the EU renewable energy target

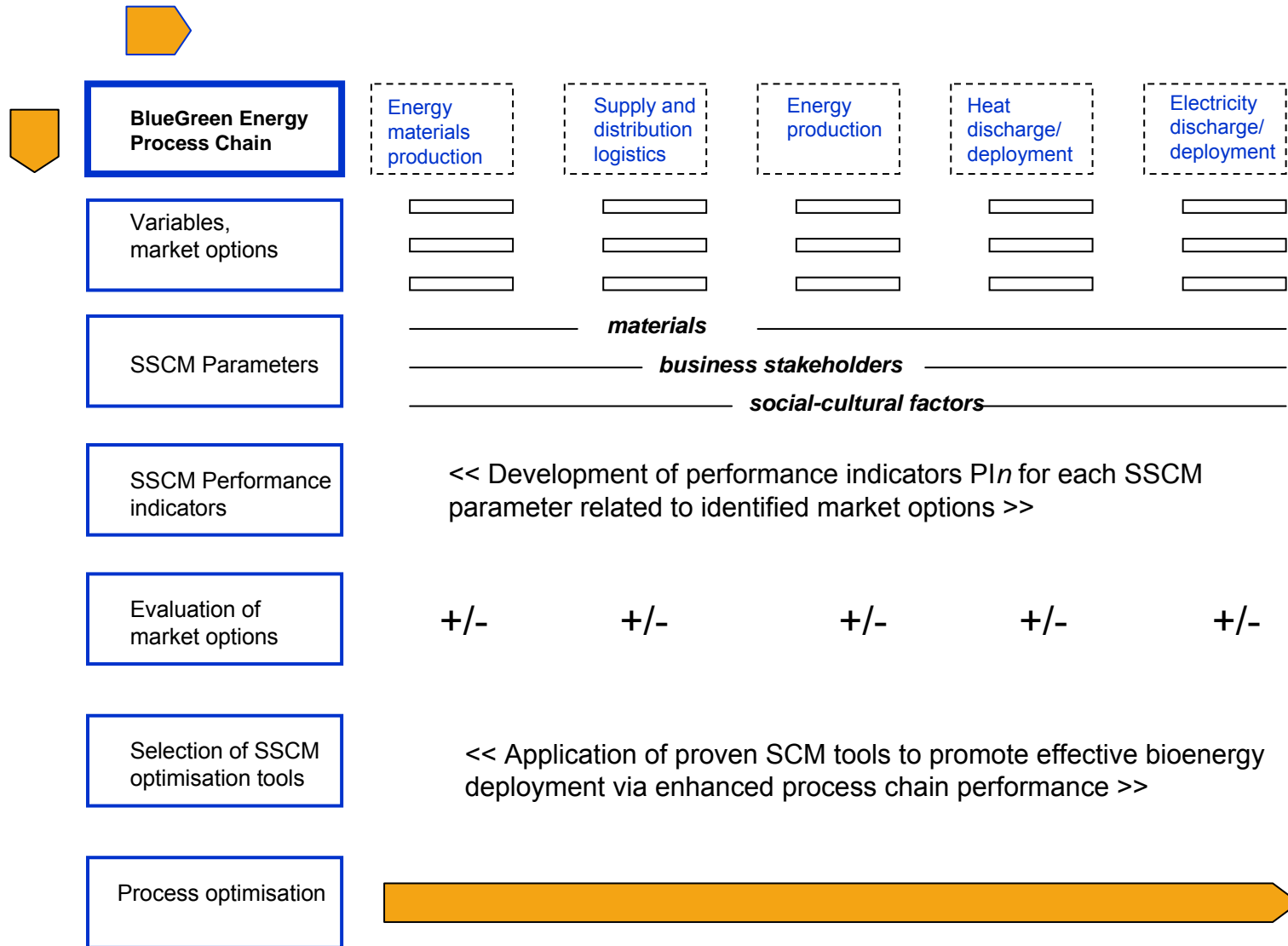
Objectives

- Establishment of a functional regional bioenergy market network
- Exchange and transfer of innovative bioenergy technology
- Integration of energy cluster management into regional development agendas
- Generation of new sustainable income for small-scale energy farmers typical of the Region's agricultural community
- Sizeable contribution to reaching waste management planning objectives through redirection of waste streams with high bioenergy content

The Business Model

- Apply Supply Chain Management techniques to bioenergy processes
- Select a clear stakeholder focus
- Concentrate on classical performance criteria such as quality, speed, dependability, flexibility, costs (QSDFC) *plus* sustainability criteria
- Provide a business communication platform to allow for inter-regional interaction and transfer of success stories

Sustainable Supply Chain Management SSCM



Phased cooperation

8 distinct phases over a 4 year period

- Phase 1** **Initiation**
- Phase 2** **Supply Chain Analyses**
- Phase 3** **Supply chain mobilization**
- Phase 4** **Pilot optimization projects**
- Phase 5** **North Sea Transfer**
- Phase 6** **Evaluation**
- Phase 7** **Communication**
- Phase 8** **Project Management**

Emerging pilot projects

- ▶ **New marine energy crops (Germany)**
- ▶ **Bioenergy chain in island communities (Norway)**
- ▶ **Timber energy chain for new settlements (Norway)**
- ▶ **Multi-source bioenergy supply chain (Sweden)**
- ▶ **Conversion of waste streams into biofuels (The Netherlands)**

The partnership

Germany	COAST, University of Oldenburg Lower Saxony Chamber of Agriculture
Norway	Ryfylke iks - Ryfylke Development Agency
Sweden	Innovatum, Fyrbodal Region
United Kingdom	Northumberland College
Denmark	CBMI Innovation Centre/Region Midtjylland
	<i>plus national networks</i>

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