



Regional Roundtable “Water, Food, Energy and Environment Nexus in Southeastern Europe”

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“Applying the Nexus approach at the national level”

by

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In the framework of:

South East Europe 2020 Strategy

Petersberg Phase II / Athens Declaration Process

UNECE Water Convention

Mediterranean Component of the European Union Water Initiative

Environment and Security Initiative, SEE Region



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Overview

- Context
- Legislation and support programs
- Guiding Principles for Sustainable Hydropower Development
- Cross-sectoral Strategies
- Outlook

Context

- Global challenges / national implication
- Rio + 20 Conference
- Bonn2011 Conference on the Water-Energy-Food Security Nexus
- Post 2015 process / Sustainable Development Goals

Legislation and support programs

Energy efficient waste water treatment

Legal framework

- German Federal Water Law
- German Federal Waste Water Ordinance

Support programs

- BMUB-program for environmental innovation
- “International Climate Initiative” (IKI)
- BMBF programs
- National Energy Efficiency Action Plan



Legislation and support programs

Sustainable Production of Biomass

Legal framework

- Renewable Energy Directive of the European Union (Directive 2009/28/EC)
- Implementation into national legislation by
 - Biofuel Sustainability Ordinance (Biokraftstoff-NachV/2009)
 - Biomass-Energy Sustainability Ordinance (Biomassestrom-NachV/2009)
- Fuel Quality Directive of the European Union / Kraftstoffqualitätsrichtlinie
 - Implementation through replacement of biofuel quota by GHG quota as from January 2015



Legislation and support programs

Sustainable use of hydropower energy

- function of water-dependent ecosystems
- improvement measures without significantly impairing usage

Legal framework

- EU Renewable Energy Directive
- EU Water Framework Directive
- Federal Water Act, Art. 34 and 35
- Federal Renewable Sources Act



Guidelines for Sustainable Hydropower Development

Mandate

- Danube Declaration 2010 / ICPDR
- Action Plan of the EU Danube Strategy, Priority Area 2

Process

- Broad participative process with involvement of representatives from administrations/institutions (energy and water/environment), hydropower sector, NGOs and scientific community
- Exchange: 4 expert meetings, 1 workshop, final conference

Basis

- Assessment Report on Hydropower Generation in the Danube Basin
- Based on replies of Danube countries on questionnaire
- Guiding Principles, incl. case studies and good practice examples
 - Practical Information / Support for sustainable solutions

Cross-sectoral Strategies

- National Strategy of Sustainable Development (2002)
 - Progress reports 2008 / 2012 ...
- Integrated Environment Program (BMUB-Strategy/Work in progress)

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