

Sixth Session of the Meeting of the Parties to the Water Convention

Side event

Examining the Water-Food-Energy-Ecosystem Nexus

**Water: connecting food
security, energy security and
sustainable development**

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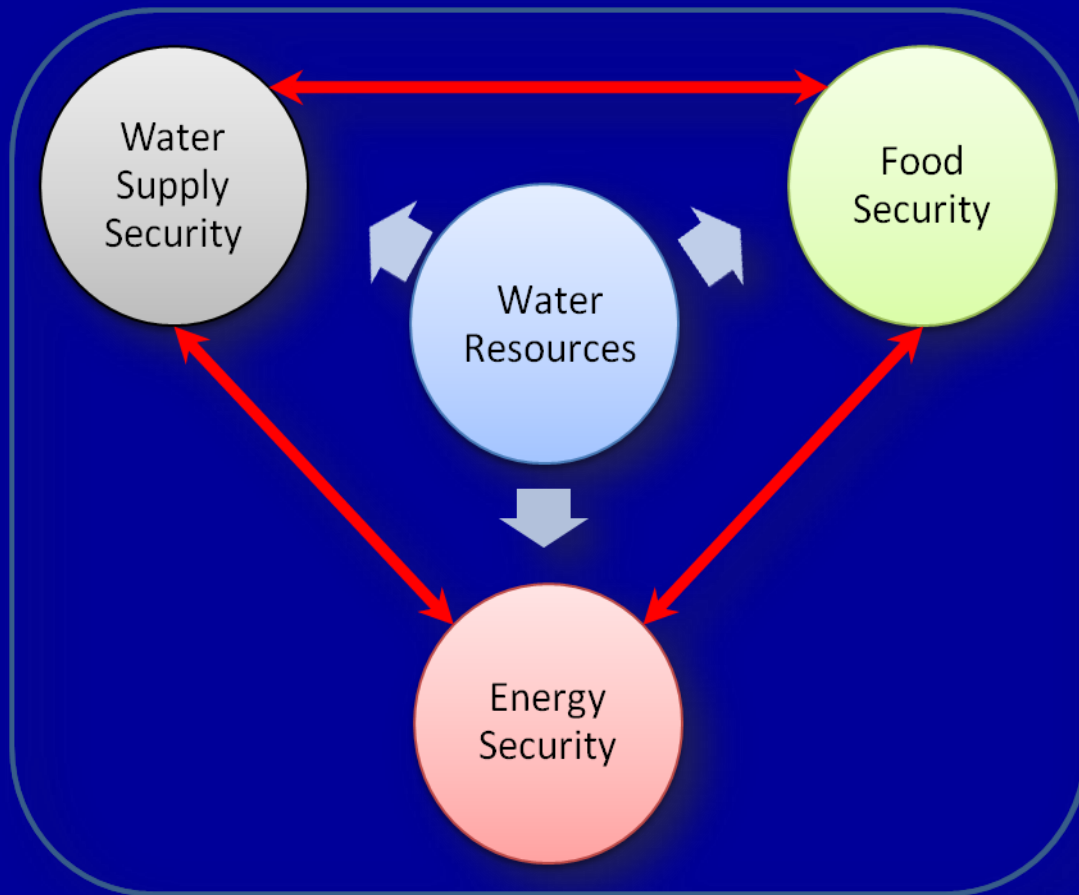
- **Outlook to 2030**

- According to actual prognosis, there will be more than eight billion people living on our planet by 2030, while world wide economy will have doubled
- The necessary water demand to secure water, energy and food securities for this scenario would exceed the available water resources by 40 % - if we continue on with business-as-usual-practices

- **Ways out of the dilemma**

- To elaborate integrated cross-sector solutions for the 3 securities water, energy and food
- To foster the establishment of coherent actions and to kick-off concrete initiatives to solve and alleviate actual and future trade-offs
- To anchor a nexus perspective on the water, energy and food security in the post Rio+20-process and in concepts for the Green Economy

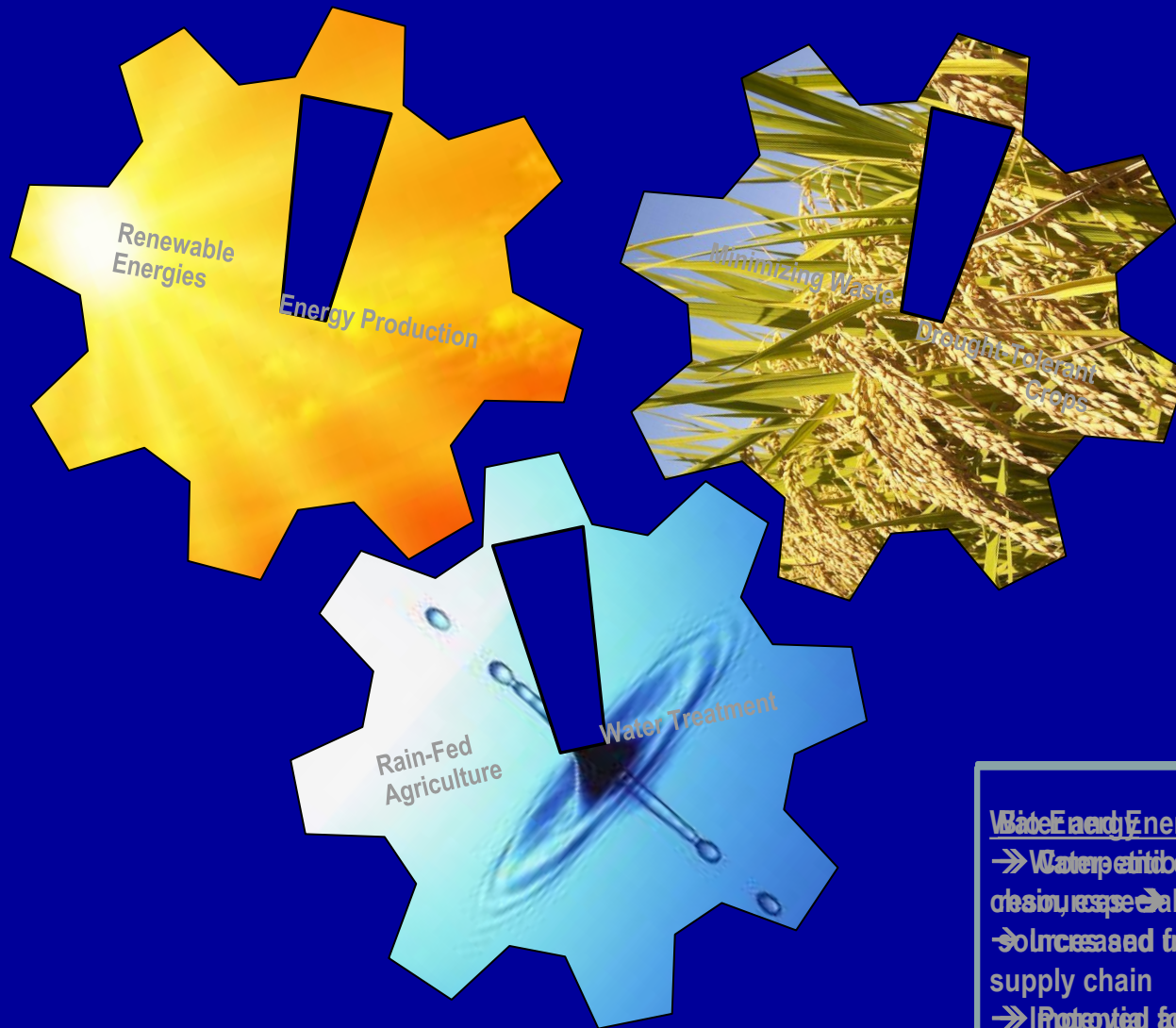
The Nexus-Triangle and the 3 Dimensions of Sustainable Development



The social dimension
improve access to basic provisioning and water, energy and food securities

The economic dimension
Creating more wealth while using less resource input

The ecologic dimension
Investing to sustain ecosystems and ecosystem services

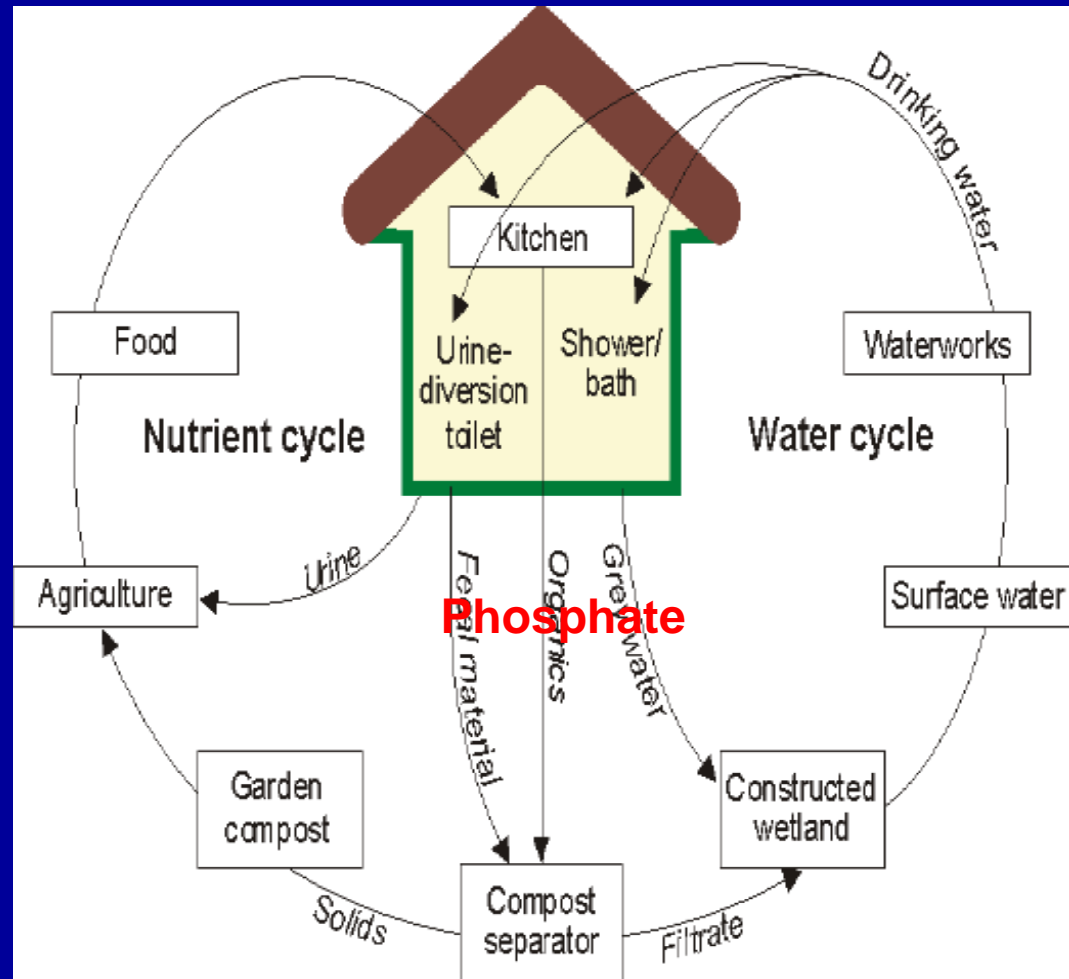


Water-Energy Smart Food

- Water scarcity is a global problem and is the water supply crisis, especially in the developing countries of food production
- Increased food prices will be a global issue in the food supply chain
- Potential for energy production and energy in rural areas

The water-energy-food security nexus

- Building synergies and generating co-benefits in multi-use systems
- Closing loops & reusing waste products
- E.g. productive sanitation





Thank you for your attention