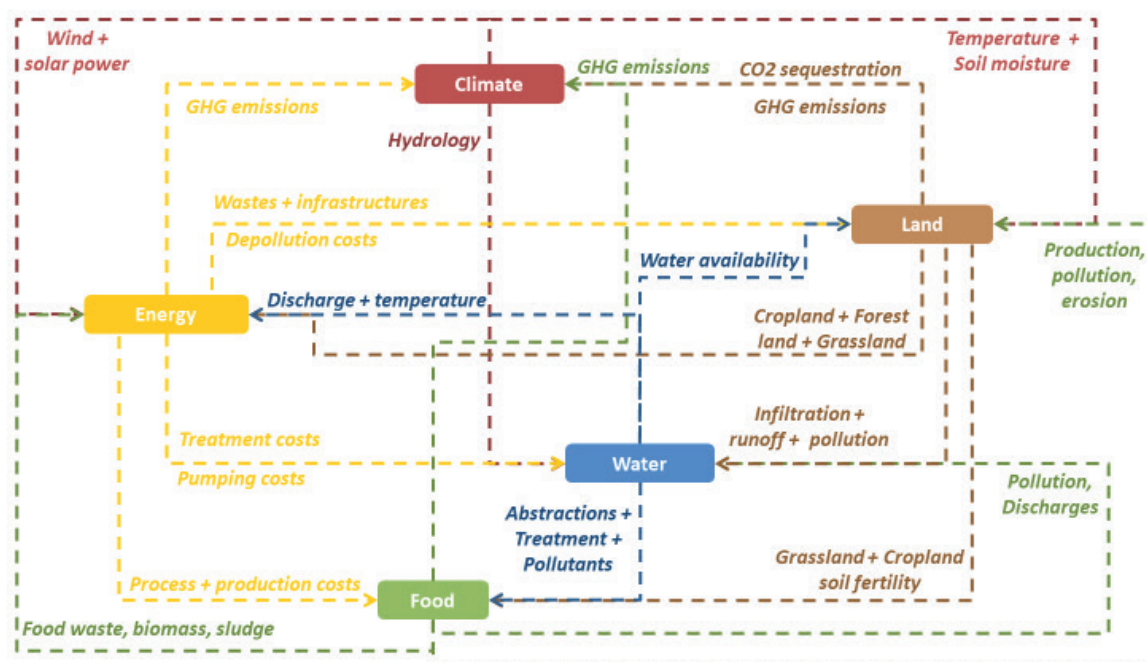


Energy transition in the Upper-Rhine (France-Germany)



A Nexus approach contributes to mitigating the impacts of the energy transition on water, land and food resources in the Upper-Rhine region

Key achievements

- Policy assessment of (in)coherences across the Nexus in the Upper-Rhine region
- Conceptual visualization of the Nexus interlinkages in the Upper-Rhine region
- Datasets and evolution trends of the sectors from 2010 to 2050 in Grand Est and Baden-Württemberg
- Identification of policy recommendations to improve resource efficiency and make energy transition “Nexus-compliant” in Grand Est and Baden-Württemberg
- Transboundary and cross-sectoral workshops organized with French & German stakeholders

Presentations

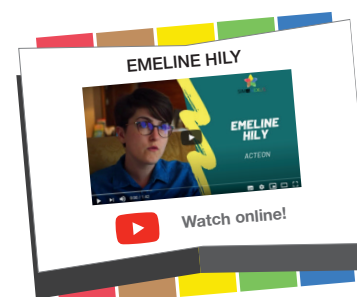
[Fournier & al. \(2018\) “Introducing the Nexus concept to better manage and adapt large-rivers basins: an example from the Upper-Rhin”, at I.S. Rivers \(Lyon, France\).](#)

Findings

The France-Germany transboundary case study focuses on the links and synergies between energy policy and the transition to a low-carbon economy on one side, and the management of natural resources (in particular water) on the other side.

The development of **bioenergy** (especially biofuel production and energy generation based on methanation) as substitutes for fuel products will change land use and put pressure on water quality and quantity. Therefore, stronger conditions should be set for the development of energy crops. Energy transition’s development of **solar energy** shall also be managed by safeguard measures to minimize land take and direct it towards “low value” land.

In addition, policy recommendations are made to enhance transboundary governance, cross-sectoral cooperation and science-policy dialogue between France and Germany for achieving jointly set policy objectives in a more cost-effective manner and as pre-conditions for a transboundary energy transition.



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