



● RESOURCE

Moving from theory to practice in the water-energy-food nexus: An evaluation of existing models and frameworks

|

Author(s)

Shannak, Sa'd Mabrey, Daniel Vittorio, Michele

Description / Abstract

The recognition of the interlinked nature of water, energy and food (WEF) resources has resulted in growing momentum to change the approaches for managing these interlinked resources. Initially, models were developed as a mean of integrated methodology for watershed management. Several frameworks and models have been proposed to help policymakers understand the complexity of the nexus and to assist with planning and regulating these resources. Most countries and governments manage these natural resources with different institutions that have their own mission and objectives, and with their own staff, data, measures and tools. This has mostly led to huge variations in terms of methodological approach to design these models, type of data used and eventually results interpretations and policies design.

We conducted a review of current literature on the water-energy-food nexus to understand what's known and what's missing and identify key opportunities and challenges facing WEF design and modeling.

Publication year

2018

Publisher

Water-Energy Nexus

Keywords

Modeling Water, Energy, Food and Ecosystems Nexus (WEFE Nexus) Framework

Thematic Tagging

Ecosystems/Nature-based solutions

Language English

[View resource](#)

Related IWRM Tools



Tool

Nexus Framework

C1.09

Source URL: <https://iwrmaactionhub.org/resource/moving-theory-practice-water-energy-food-nexus-evaluation-existing-models-and-frameworks>