



# Serious Games to improve decision-making in the water-land-energy-food-climate nexus



EGU Conference – Session HS.5.3.1 –  
Water resources policy and management  
– managing trade-offs between water,  
food and energy

Floor Brouwer, Chrysi Laspidou and  
Lydia Vamvakeridou-Lyroudia

Wageningen Research (the Netherlands), University  
of Thessaly (Greece) and KWR Water (the  
Netherlands)

05/05/2020

This project has received funding from the European  
Union's Horizon 2020 research and innovation programme  
under grant agreement No 689150 SIM4NEXUS



# Achieving resource efficiency in Europe is a challenge

- Achieving resource efficiency is a challenge. It requires **exploitation of synergies and mitigation of trade-offs** across water, energy, food, climate and land. Implementations needs the active participation of government, the private sector, academia and civil society. Nexus concept will support this
- Resource efficiency is supported by knowledge on how Nexus sectors operate: how to create synergies in climate action with water, energy, food and land? **Search for policy coherence**

## The proposition in SIM4NEXUS

**Serious Games are developed as an enhanced interactive visualisation tool, providing an immersive experience to decision- and policy-makers. They assist the users (as players) in better understanding and visualising policies at various geo-/spatial scales and from a holistic point of view, towards a better scientific understanding of the Nexus.**

**A serious gaming approach combines a learning objective with a fun activity to increase the potential for learning uptake. The games are developed through 12 cases across Europe. The case studies use transdisciplinary approaches, driven by stakeholder needs**

# Playing the SIM4NEXUS Serious Game

- Credible and accessible knowledge, and navigability of the visualisation tool
- Beta version (use Use Chrome)
- Link to game site: <http://seriousgame.sim4nexus.eu/>



# Thanks for your attention!

For further information please consult  
[www.sim4nexus.eu](http://www.sim4nexus.eu),  
follow us at @SIM4NEXUS  
[Floor.brouwer@wur.nl](mailto:Floor.brouwer@wur.nl)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 689150 SIM4NEXUS

