



SIM4NEXUS



Webinar

# SIM4NEXUS – Sustainable Integrated Management FOR the Nexus of water-land-food-energy-climate for a resource-efficient Europe

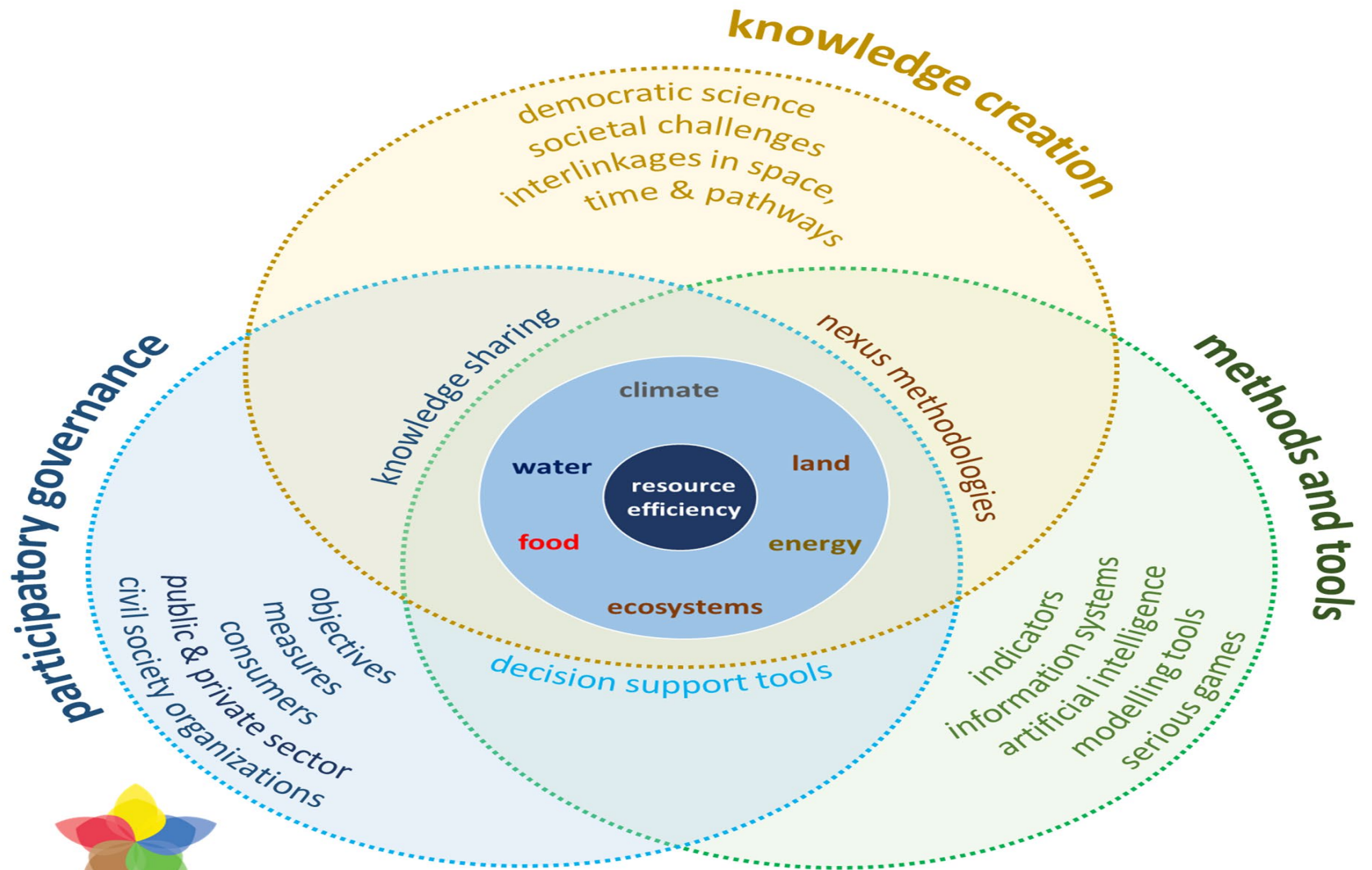
Floor Brouwer and WP leads

Wageningen Economic Research

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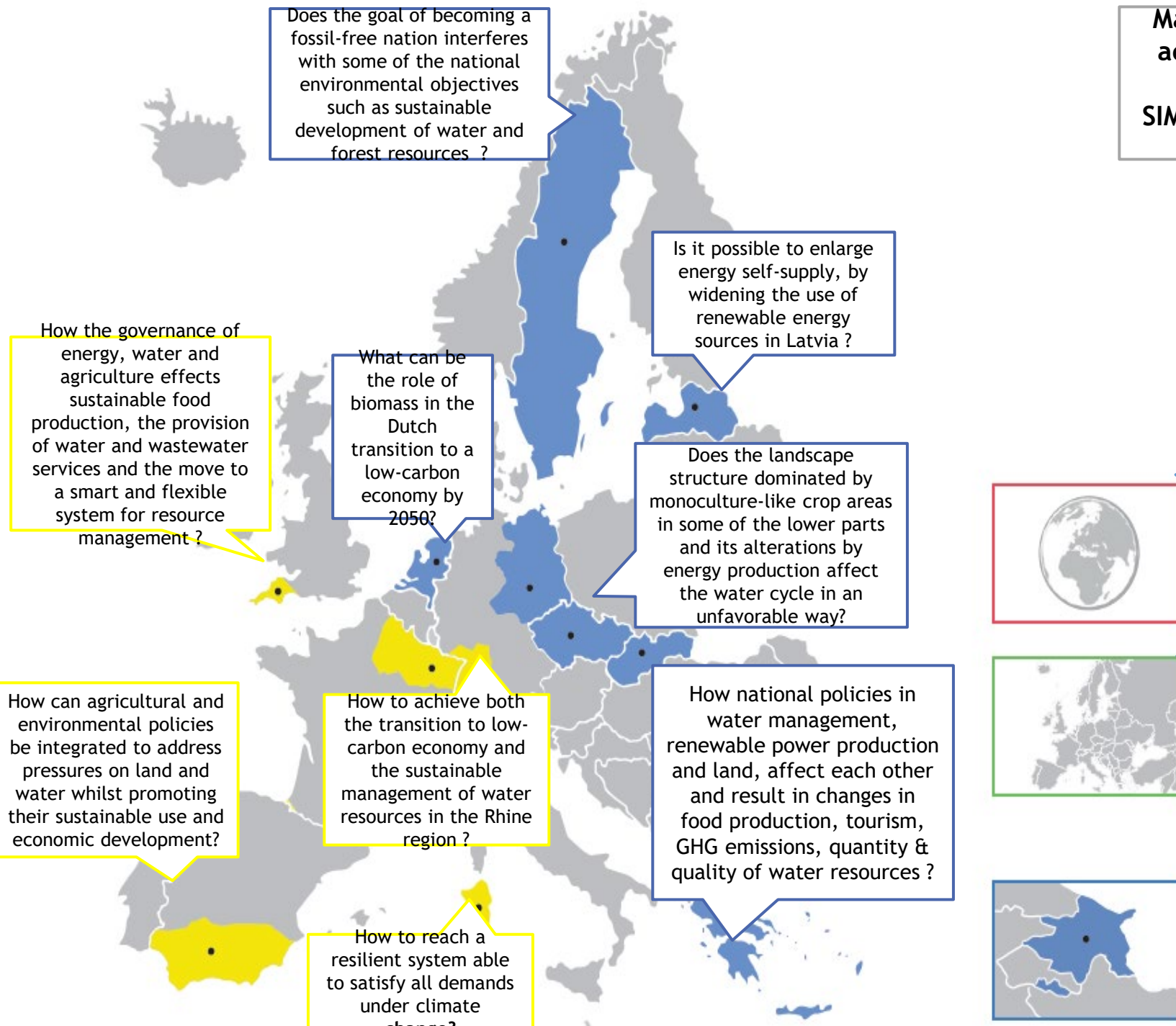
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 689150 SIM4NEXUS





**SIM4NEXUS** concept of the Nexus for Nexus-compliant practices and innovations

**Main question addressed by the 12 SIM4Nexus case studies**



Does the goal of becoming a fossil-free nation interfere with some of the national environmental objectives such as sustainable development of water and forest resources ?

How the governance of energy, water and agriculture affects sustainable food production, the provision of water and wastewater services and the move to a smart and flexible system for resource management ?

What can be the role of biomass in the Dutch transition to a low-carbon economy by 2050?

How can agricultural and environmental policies be integrated to address pressures on land and water whilst promoting their sustainable use and economic development?

How to achieve both the transition to low-carbon economy and the sustainable management of water resources in the Rhine region ?

How to reach a resilient system able to satisfy all demands under climate change?

Is it possible to enlarge energy self-supply, by widening the use of renewable energy sources in Latvia ?

Does the landscape structure dominated by monoculture-like crop areas in some of the lower parts and its alterations by energy production affect the water cycle in an unfavorable way?

How national policies in water management, renewable power production and land, affect each other and result in changes in food production, tourism, GHG emissions, quantity & quality of water resources ?



What are the Nexus issues at the global scale ?



What are the impacts of a transition to a low-carbon economy in Europe on the five elements of the Nexus ?



What are the implications of Azerbaijan's transition to a low-carbon economy on the different Nexus domains ?

# Gaming is fun ... and serious ...



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