

# Water scenario and modelling narratives. Moving towards quality narratives in water policy

February 26th – 27th, JRC, Ispra

*[Bld. 100/1003 (Acqua)]*

WEFE Flagship Project

A workshop organised by Units JRC.D.2 and JRC.I.2

*February 2018*

## Rationale

Modelling and scenarios that concern water governance imply various narratives and normativities that, often times, are not explicitly recognized by their developers and their users. In a policy context, we can argue that policies, models and scenarios are responsive to or 'co-produce' each other. This workshop aims at looking critically at existing policy- and modelling-narratives focusing on both the water dimension and broader implications for the WEFE nexus. Building on that, a further objective is to enable and initiate discussions that explore how current water narratives correspond to societal expectations and how they respond to complexities and uncertainties posed by the WEFE nexus. The expected outcomes of this workshop are re-fined narratives that will inform subsequent modelling and scenario work in the WEFE flagship project.

*Day 1* of the workshop will – through a series of talks and discussions - serve as a possibility to exchange experiences with colleagues from the H2020 project MAGIC. This project currently develops methodologies to tackle challenges related to the water-energy-food nexus through an approach called 'Quantitative Storytelling'. Furthermore our former colleague Andrea Saltelli will talk about Sensitivity Auditing.

*Day 2* will build on the inputs of day one and is designed to allow for interactions between scientists and policy makers. After starting out with brief inputs on the models used in the WEFE flagship project, this day is organized around three separate group discussions, which aim at enabling a constructive discussion about assumptions embedded in both policy narratives and models applied and developed in the WEFE flagship project.

- The first discussion will address the narratives embedded within certain models, i.e. the stories that can be told through these models. These stories will then be put in dialogue with the policy narratives they try to address.
- The second round of discussions will focus on a range of nexus-narratives that focus on interaction or trade-offs between different sectorial problems.
- Finally, the groups will summarize the challenges of current narratives they encountered in their discussions, and eventually elaborate a set of questions, narratives and related policy issues that should be tackled in the WEFE flagship project.

# Agenda

[Bld. 100/1003 (Acqua)]

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<b>Day 1 – 26/02/2018</b>	
<b>12:00 - 13:00</b>	<i>Registration and welcome Lunch</i>
<b>13:00 - 13:30</b>	Welcome to the workshop ( <i>Giovanni Bidoglio, Ângela Pereira, JRC</i> )
<b>13:15 - 13:45</b>	Introduction to the WEFE flagship project ( <i>Giovanni Bidoglio, JRC</i> )
<b>13:45 - 14:30</b>	Sensitivity Auditing ( <i>Andrea Saltelli, University of Bergen</i> )
<b>14:30 - 14:45</b>	<i>Coffee break</i>
<b>14:45 - 15:45</b>	Delivering more than the “Sum of the Parts” ( <i>Keith Matthews, The James Hutton Institute, Aberdeen</i> )
<b>15:45 - 16:30</b>	Story-telling in the nexus and sustainability – the taxonomy of narratives used for policy ( <i>Mario Giampietro, Violeta Cabello Villarejo, Autonomous University Barcelona</i> )
<b>16:30 - 16:45</b>	<i>Coffee break</i>
<b>16:45 - 17:30</b>	Water implications of policies: capturing aspects of the nexus ( <i>Maarten S. Krol, University of Twente</i> )
<b>17:30 - 18:00</b>	Wrap up

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<b>Day 2 – 27/02/2018</b>	
<b>08:30 - 09:00</b>	Welcome breakfast
<b>09:00 - 10:00</b>	Models used in the WEFE flagship project ( <i>Ad de Roo, Ignacio Hidalgo-Gonzalez, Alice Siragusa, Guna Salputri, Martina Sartori</i> )
<b>10:00 - 10:15</b>	Introduction to narratives and group work ( <i>Thomas Völker, Ângela Pereira, JRC</i> )
<b>10:15 - 10:45</b>	Group formation
<b>10:45 - 11:00</b>	<i>Coffee break</i>
<b>11:00 - 12:30</b>	Parallel group work I: Modelling, scenario and policy narratives
<b>12:30 - 13:30</b>	<i>Lunch break</i>
<b>13:30 - 15:00</b>	Parallel group work II: Interactions, overlaps and contradictions between narratives
<b>15:00 - 15:15</b>	<i>Coffee break</i>
<b>15:15 - 16:30</b>	Parallel group work III: Alternative narratives and desirability
<b>16:30 - 17:00</b>	Plenary discussion of the group work
<b>17:00 - 17:30</b>	Recommendations from the policy ( <i>Marco Bonetti, DG ENV; Wim Debeuckelaere, DG ENV; Nicola Di Virgilio, DG AGRI; Guenter Hoermandinger, DG ENV</i> )
<b>17:30 - 18:00</b>	Concluding remarks by the organizers and look ahead

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*Lunches and coffee breaks are served outside room 100/1003 (Acqua).*