

TRANSCEND

**Transformational and Robust Adaptation to
Water Scarcity under Deep Uncertainty**



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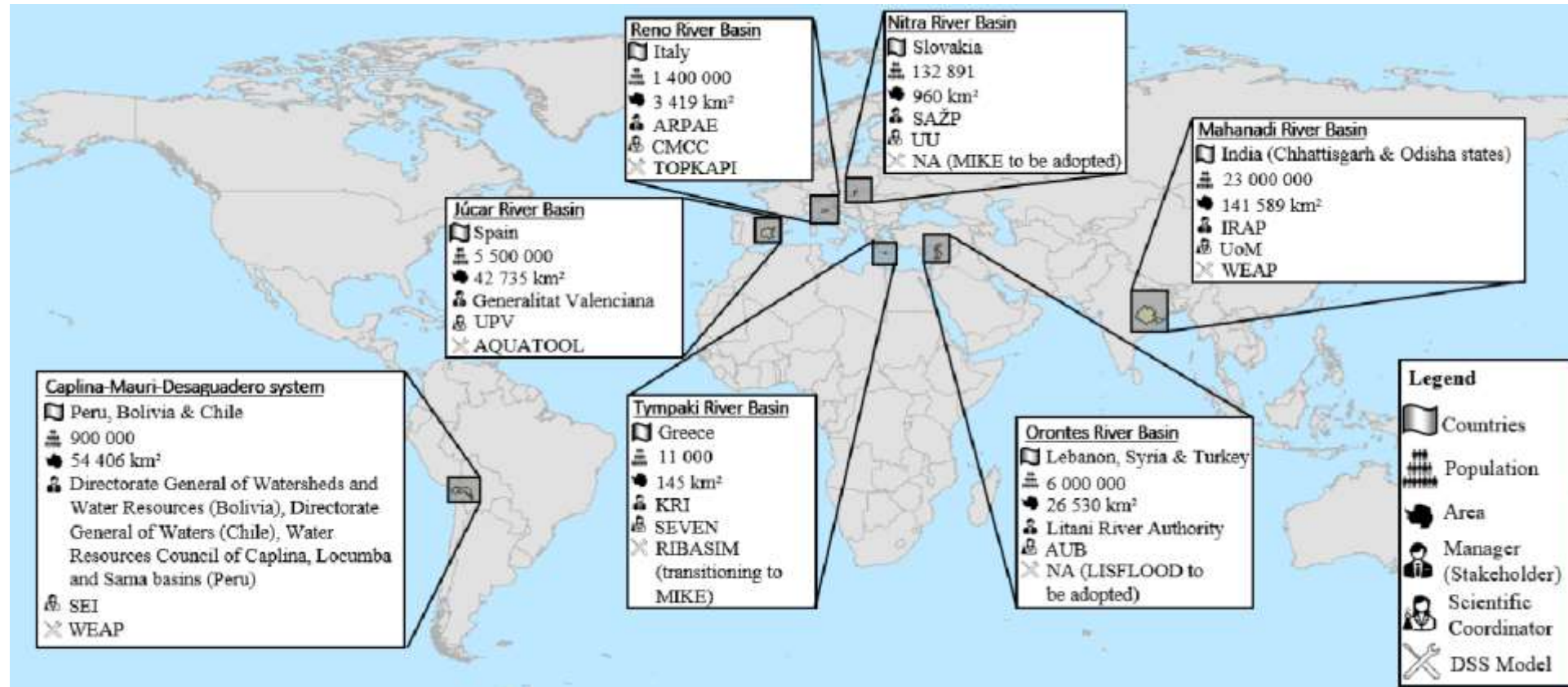
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TRANSCEND in a nutshell

- HORIZON-CL6-2022-CLIMATE-01-01-Climate sensitive water allocation systems and economic instruments
- 15 partners
- 5.3 million EUR (4.3 M EUR EU contribution)
- 10 Countries
- 7 *living labs*
- Builds upon 3 pillars



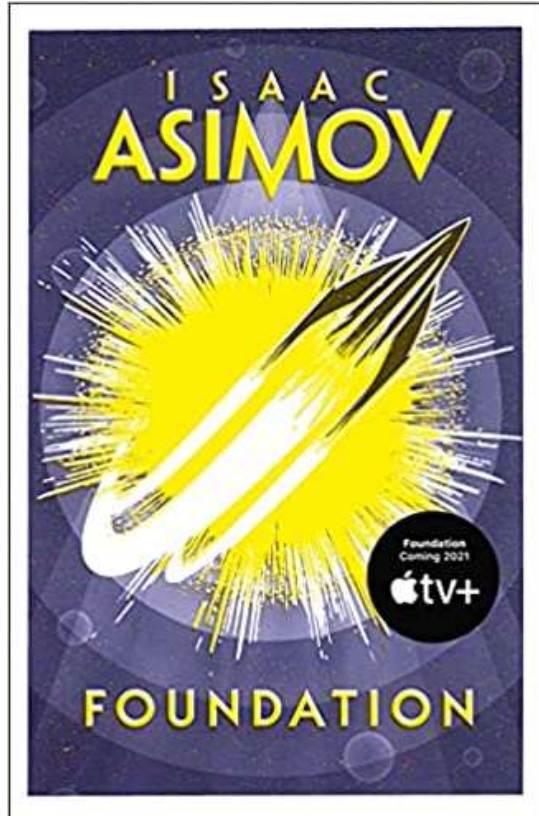
Our living labs



Pillar 1: Embrace uncertainty (to make robust decisions)

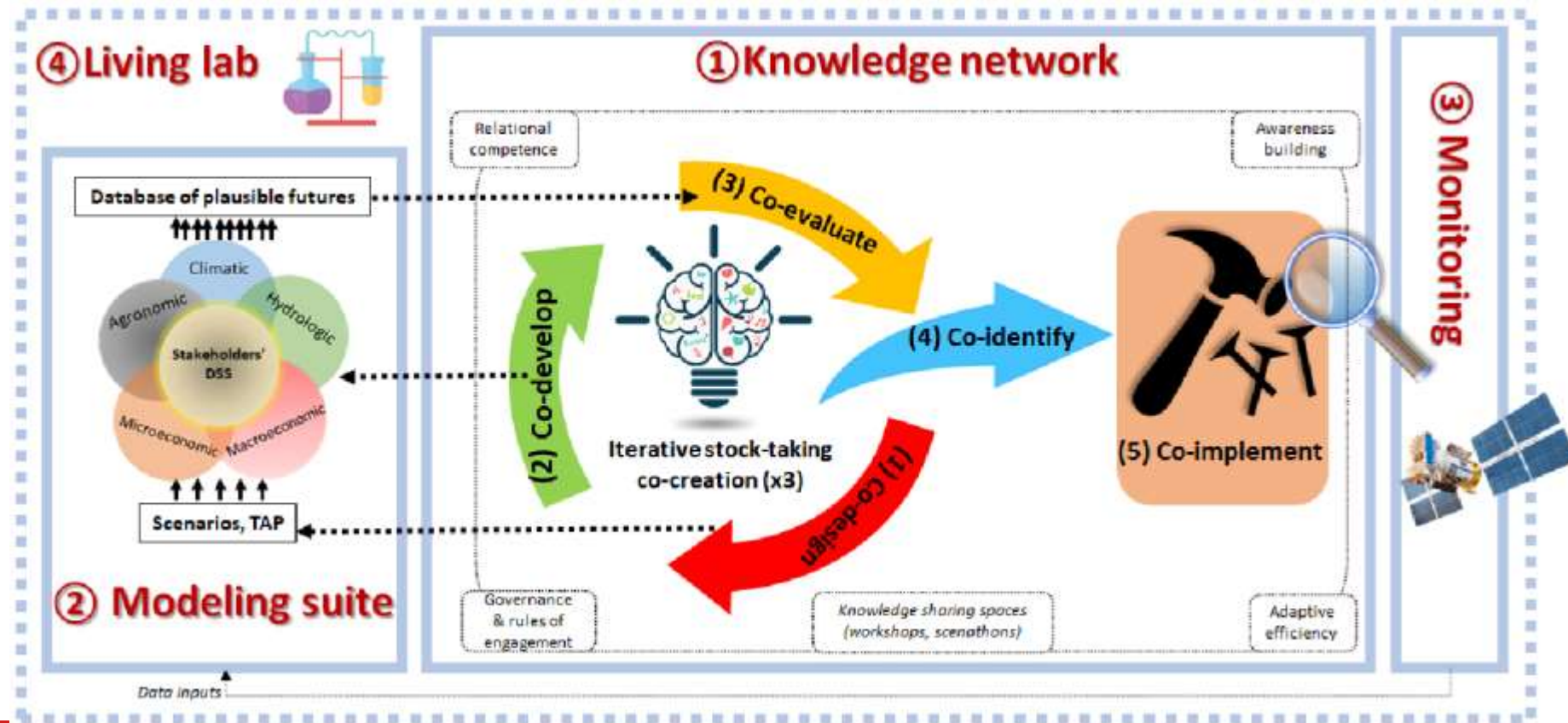
- Socio-ecological science
- Quantifying uncertainty: ensembles & scenario discovery
 - Unlike Salvador Hardin's, our models are wrong
- Actionable science
 - “Translator”: the DSS decision makers already use
 - Rather than brand-new models, add-ons to existing models
 - Build on top of available and widely used DSS (MIKE, AQUATOOL, RIBASIM, TOPKAPI, etc.)

Pillar 1: Embrace uncertainty to make robust decisions



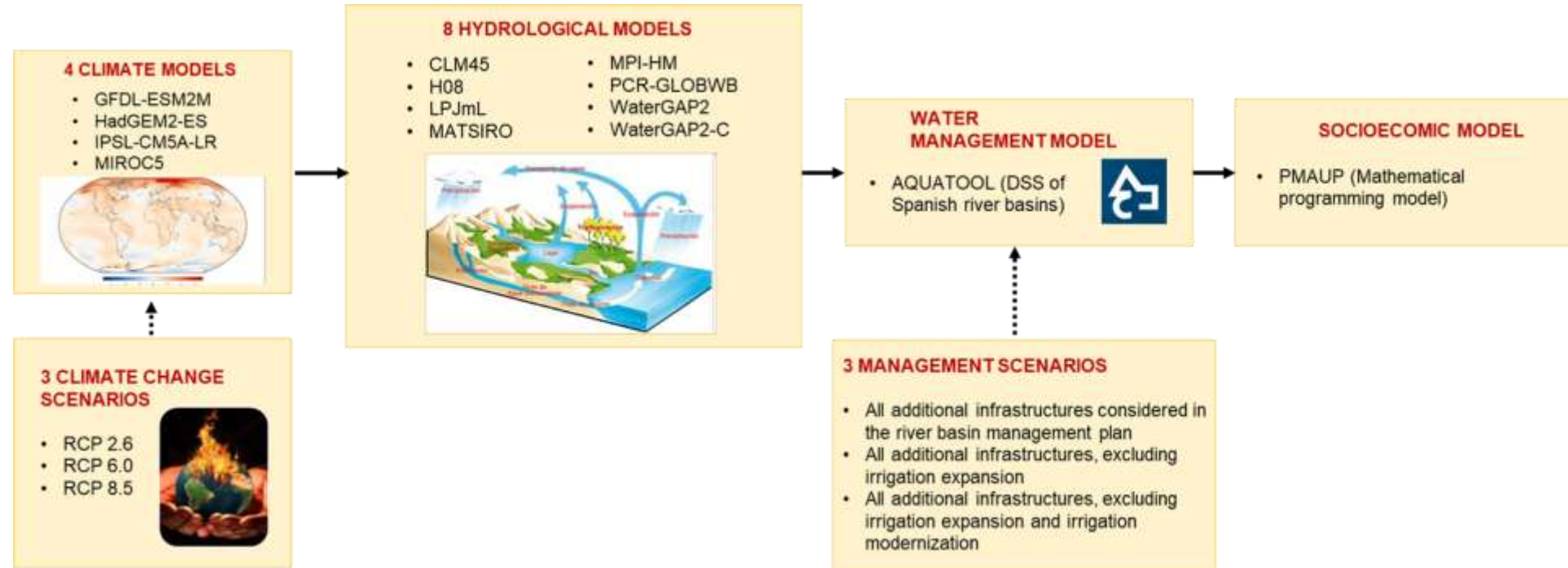
Pillar 3: Stakeholder networks

Combine mechanistic & heuristic methods



Pillar 2: Monitoring

- Digital twin / Digital water earth using satellite data





Thank you for your attention

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