

# STARS4Water

Supporting Stakeholders for  
Adaptive, Resilient and Sustainable Water Management



## Project Overview



# STARS4Water is about:

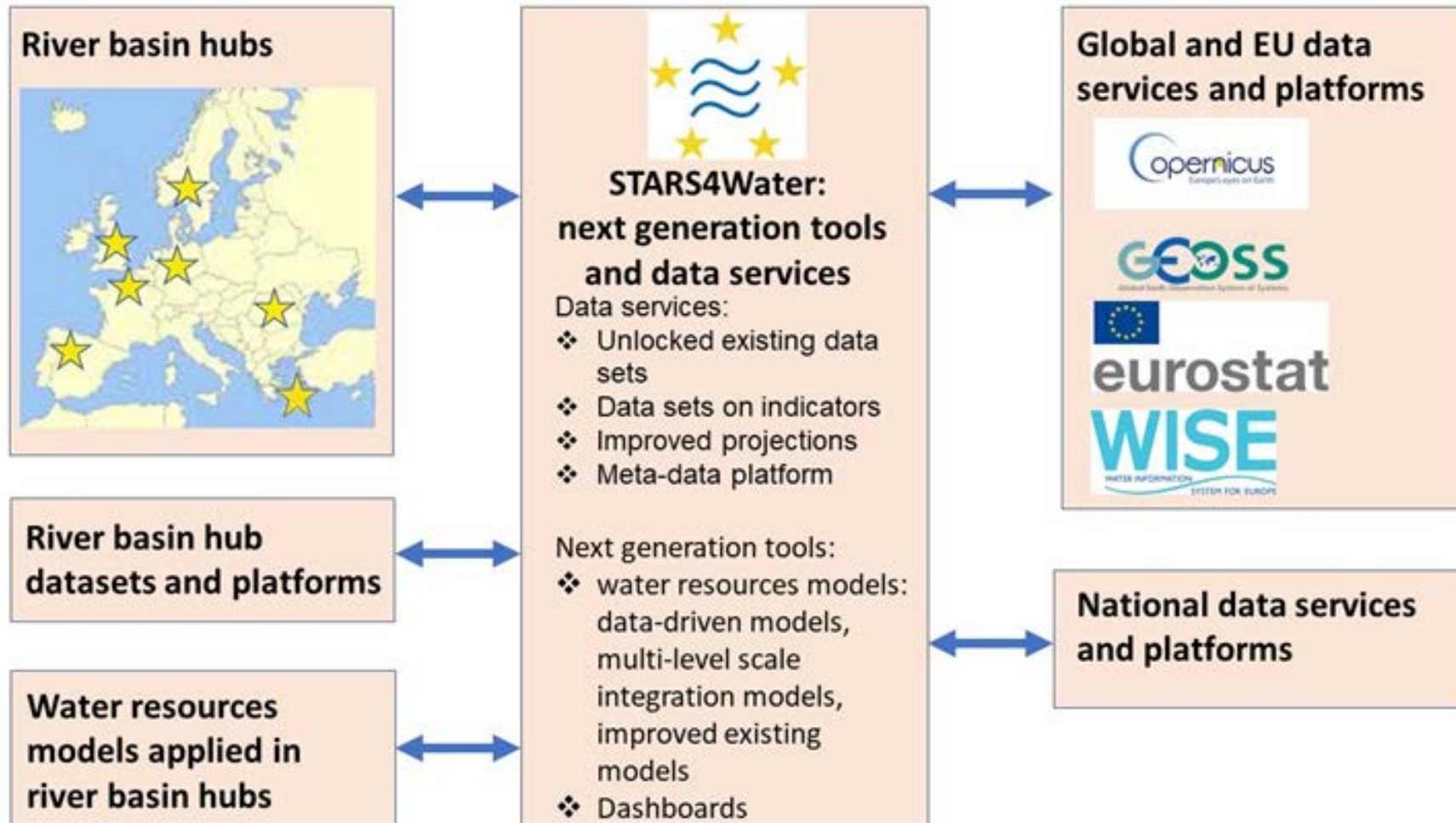


- To improve the understanding of climate change impacts on water resources availability and the vulnerabilities for ecosystems, society and economic sectors at river basin scale
- To develop and deliver new data services and data driven models for better supporting the decision making on planning on actions for adaptive, resilient and sustainable management of fresh water resources.

# ...next generation IWRM tools and data services



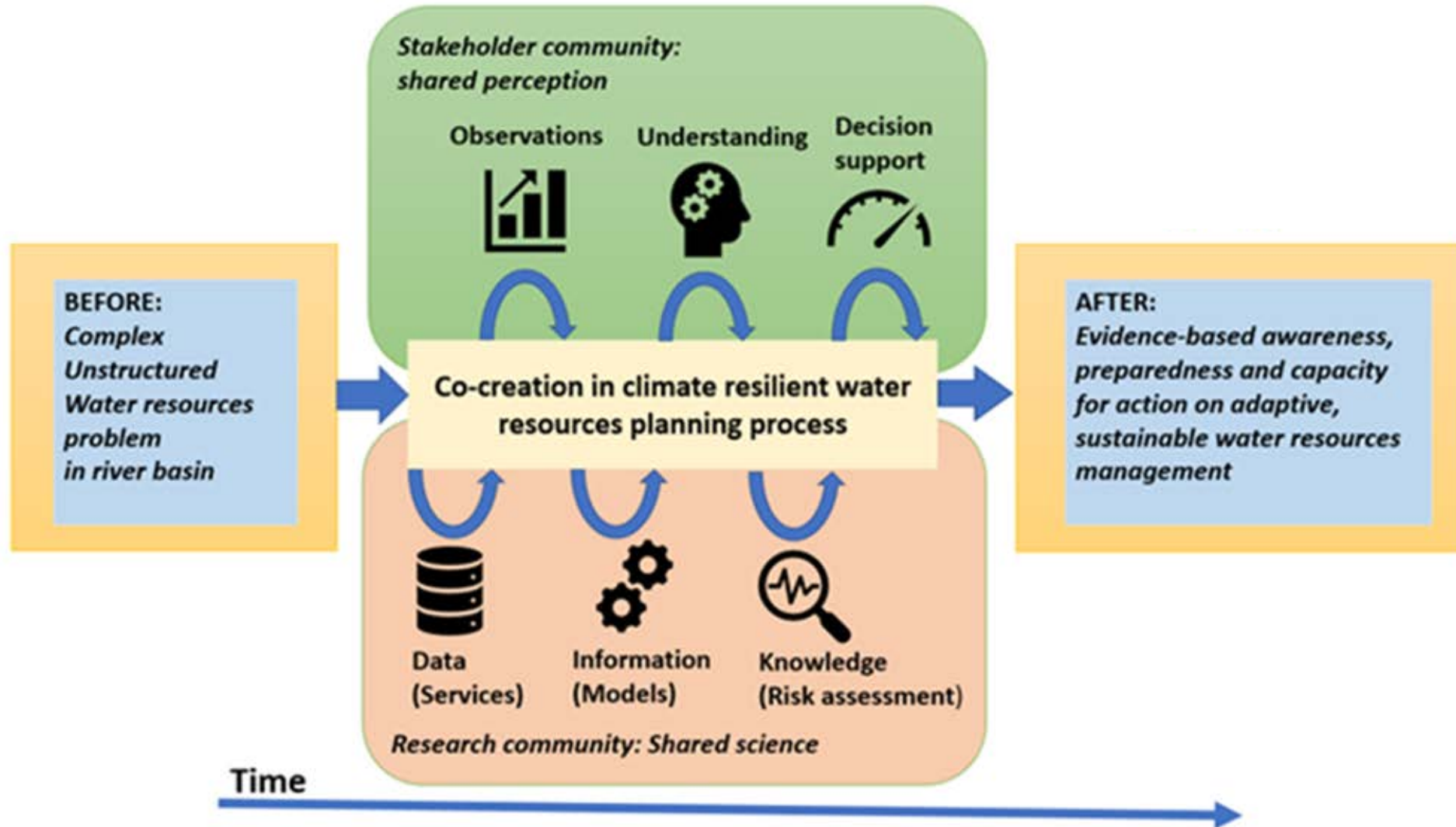
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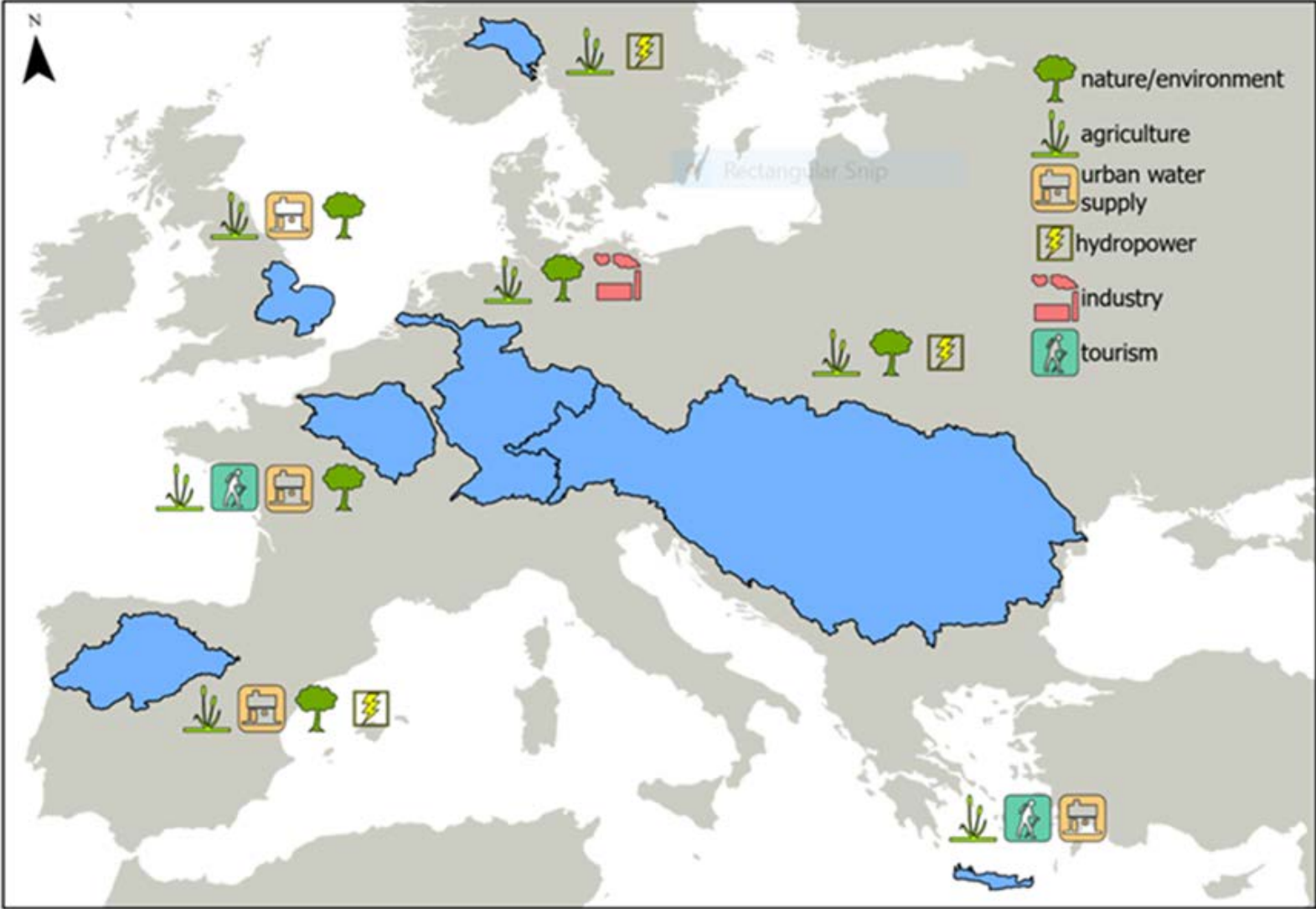
# Key principle: co-creation with stakeholders



# Key principle 2: river basin hubs



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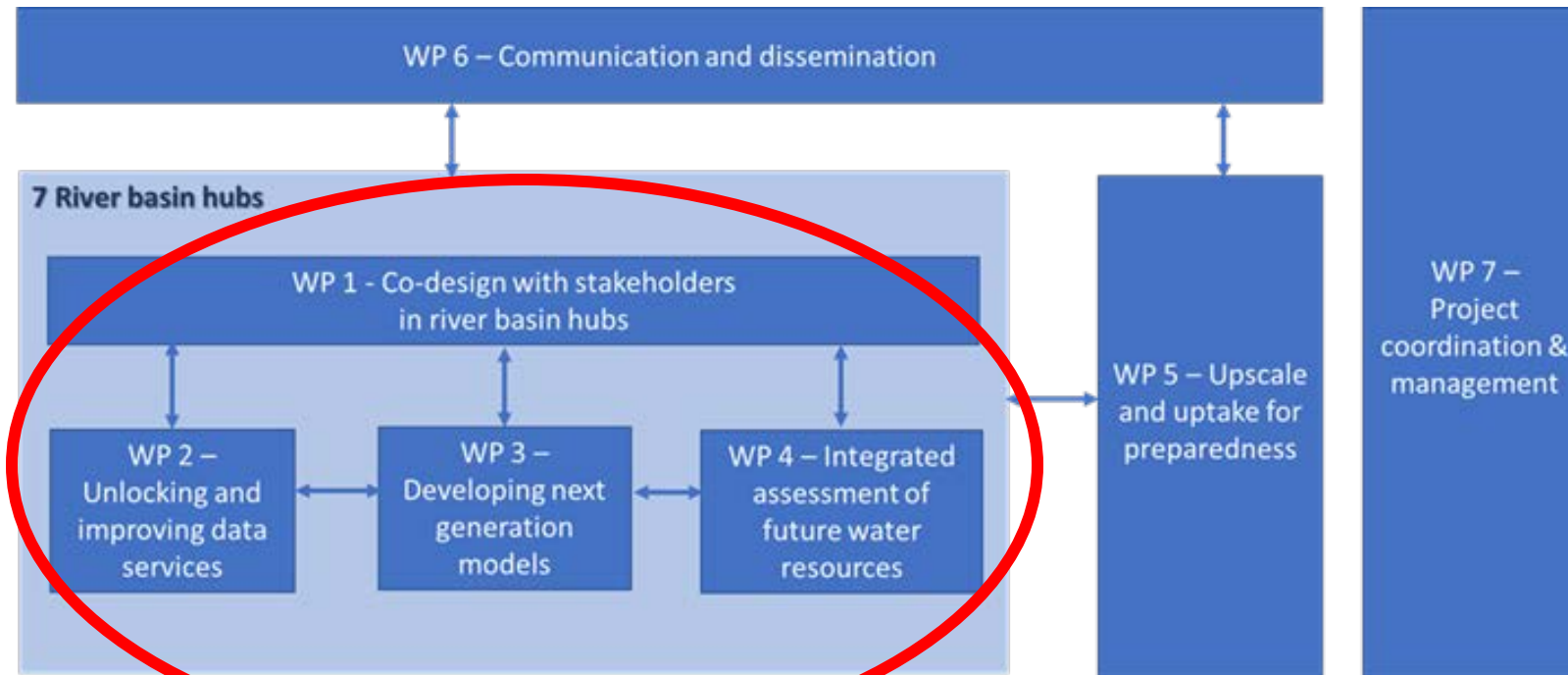




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## Expected results:

- **Improved projections of changes in water resources availability** in selected river basins (including Rhine, Danube) in Europe at different time horizons (2030, 2040, 2050).

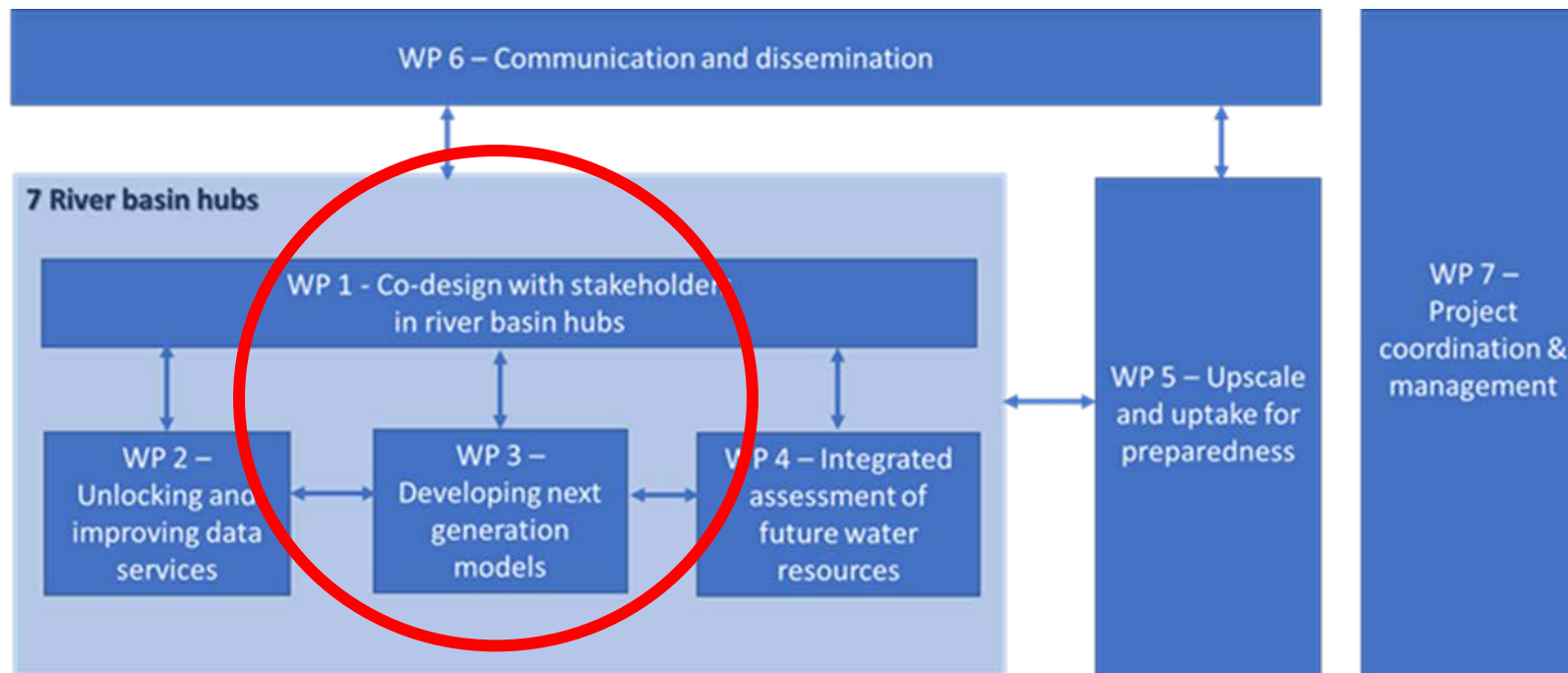




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## Expected results:

- **Modelling tools for water resources management** benchmarked against comparative evaluation criteria derived from stakeholder's requirements and needs to support adaptation and resilience in water management

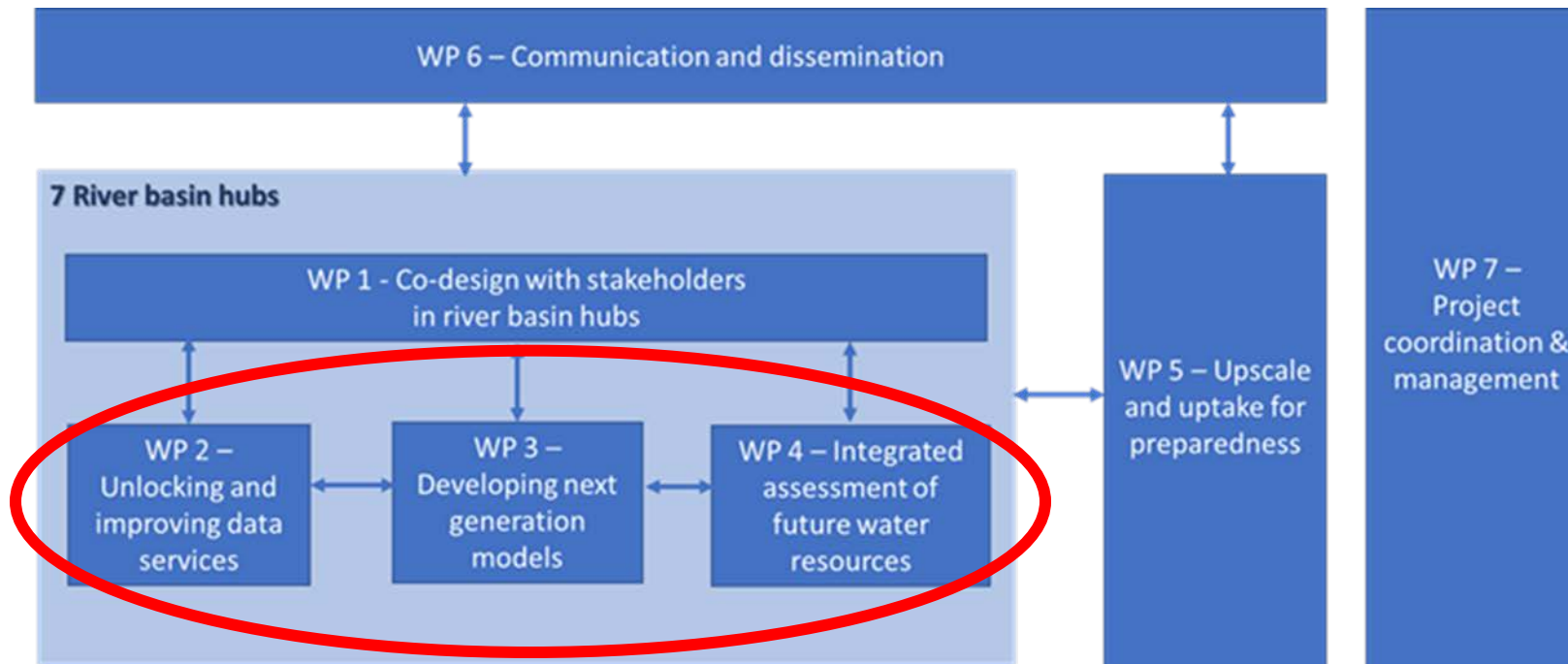




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## Expected results:

- **New data-driven modelling techniques** co-developed and validated in selected case studies (river basin hubs)



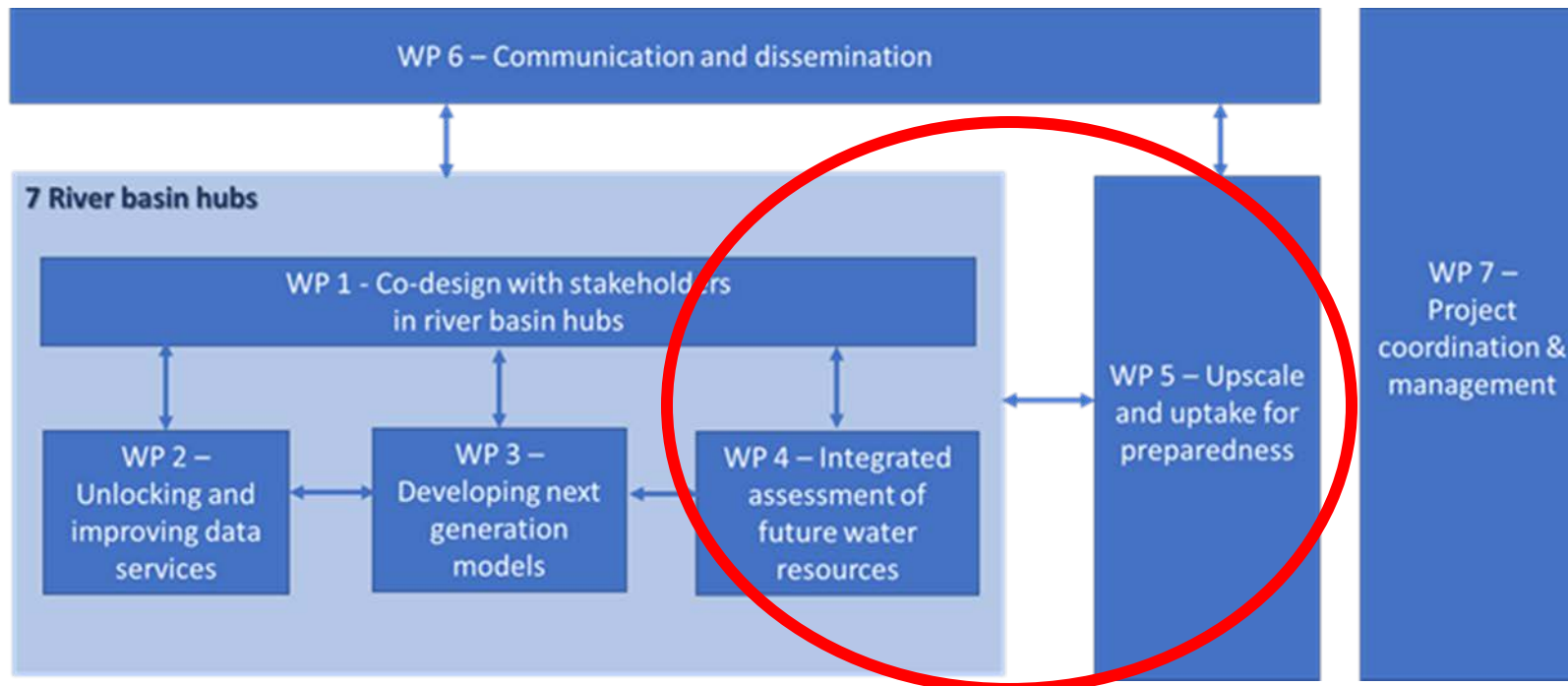




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## Expected results:

- **Story maps on future water resources** at river-basin and pan-European level including the vulnerability of ecosystems, society and water consuming economic sectors to changes in water resources due to changing climate.

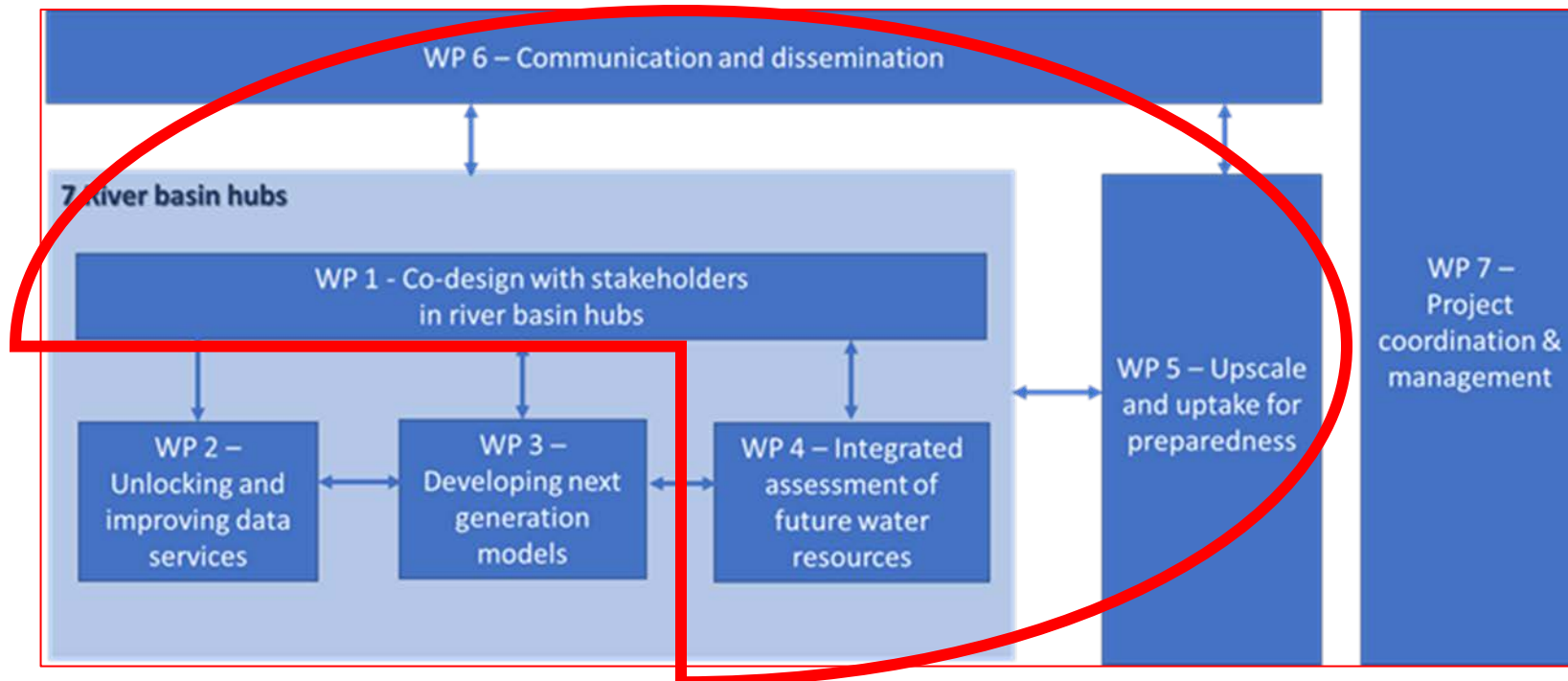




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## Expected results:

- Co-designed **dashboard** based on innovative data-model integration techniques **for informed decision making** demonstrated in river basins in Europe and abroad, guidelines, manuals, training course.

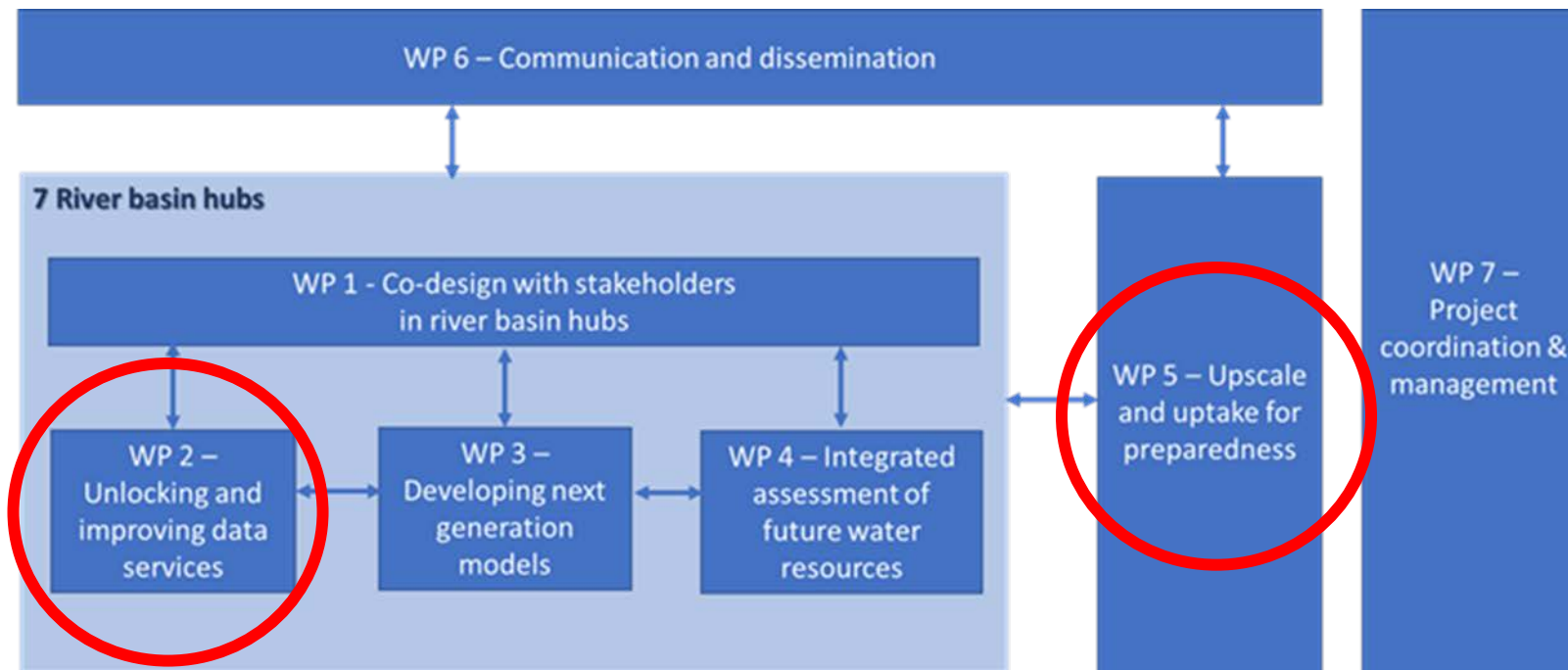




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## Expected results:

- The potential for a community-driven, open access monitoring and **earth observation data frameworks**, including end-to-end infrastructure, for water resources management and river basin planning demonstrated.

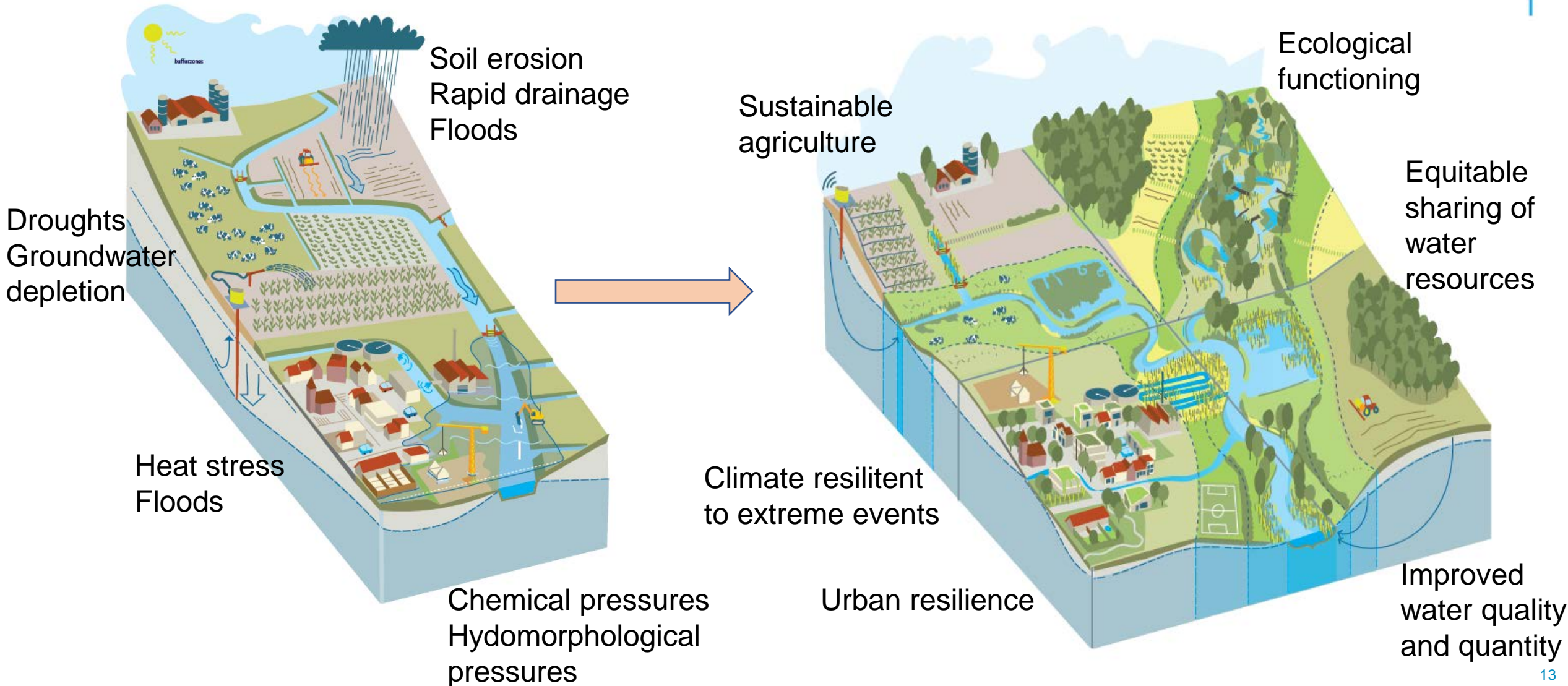


# Creating impact!



- Improved preparedness for climate change impacts with respect to floods and droughts by member states
- Effective climate adaptation actions are implemented by river basin organisations and economic sectors
- Decision makers make use of Stars4Water dashboards to define water resources management strategies to enhance resilience to climate change (safe operating space)
- STARS4Water tools and data services are widely used

# Towards climate robust catchments and water resources management





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*Let's get started*

