

2022 - 2031

ONEWATER EAU BIEN COMMUN NATIONAL RESEARCH PROGRAMME

Understanding and innovating to achieve viable, equitable and sustainable water management

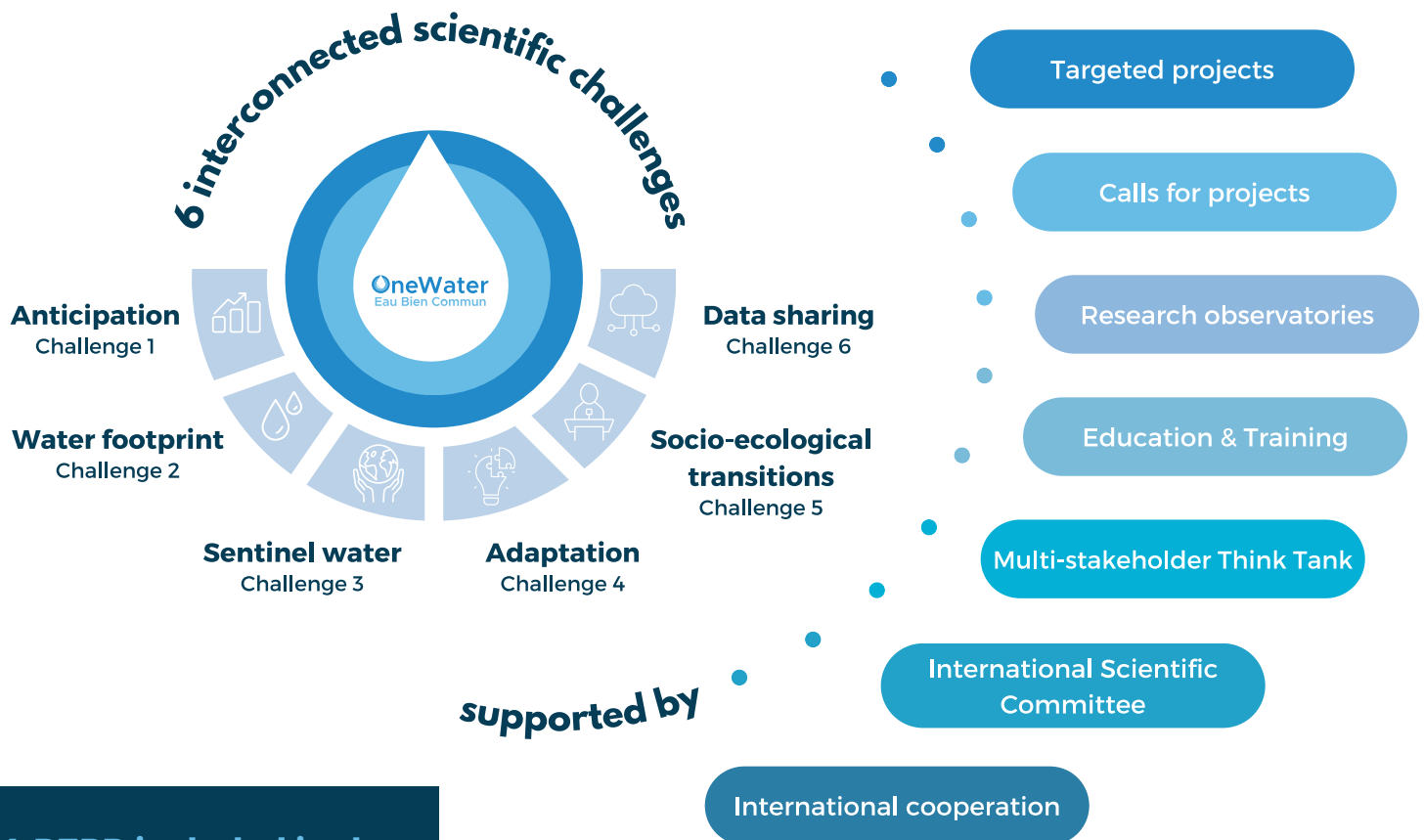
In a context of global change, environmental and human-induced pressures on continental freshwater resources have been exacerbated and have become a major challenge for our societies in the 21st century. Water is vital for regulating the climate, for ecosystem functioning and for human development, but is as rare as it is precious. While 72% of our planet is covered in water, only 3% of all the water available on Earth is freshwater.

France has been a global pioneer for governance at river basin level. However, the assumption that everything can be resolved at basin level is now being eroded. We need to develop more integrated, systemic, multi-stakeholder approaches to co-construct solutions tailored to contrasting realities.

OneWater - Eau Bien Commun is a ten-year programme that seeks to change the paradigm and reinstate water as a common good.

OneWater - Eau Bien Commun, the concept

OneWater sets out a national strategy (for France and its overseas territories) geared to the needs of living organisms and water users, bringing together the water sector and local stakeholders to consolidate France's global leadership. It provides funding for innovative, foundational research to strengthen interdisciplinary and multi-stakeholder dialogue, through six scientific challenges underpinned by a range of tools.



A PEPR included in the Investment for the Future plan (PIA4)

The Priority Research Programmes and Infrastructures (PEPR) were launched as part of the PIA4 programme for the France 2030 plan. Their goal is to build or consolidate French leadership in scientific fields that are seen as a priority at national and European level, and are linked to a large-scale transformation. As part of this, OneWater has been granted a ten-year budget of €53 million.



1. Anticipate changes affecting water resources to enable regions to adapt in line with their own particularities

#SeasonalForecasts #Modelling #Lysimetry #Assimilation
#HistoricalAnalysis #Anthropisation #DataStorage



2. Define a 'water footprint' of environmental processes and human activities, considering both quantity and quality

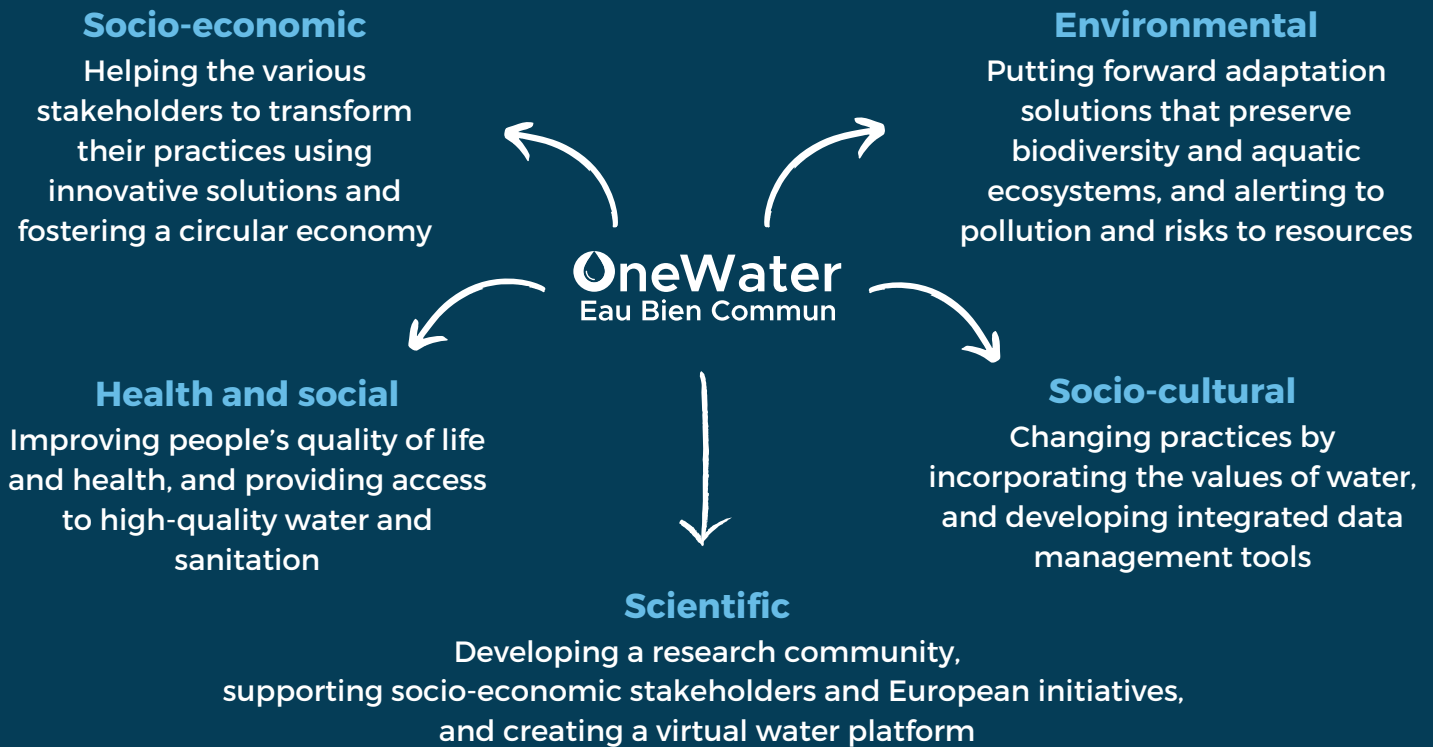
#Footprint #Pressures #QualityQuantity #Hydrosystems
#Cycles #LandSea #RegulatoryFrameworks



3. Use Water as a sentinel for environmental and human health along the land-water-land-sea continuum

#Sentinel #Health #SocioHydroSystems #Monitoring #LandSea
#TimeSpace #EcologicalImpacts #AnthropogenicImpacts

OneWater - Eau Bien Commun, the impacts



4. Put forward solutions to promote the adaptability and resilience of socio-hydrosystems in a context of global change

#SocioHydrosystems #Uses #Resilience #Restoration
#NatureBasedSolutions #CircularEconomy #Adaptability



5. Support the socio-ecological transition and develop a new form of resource governance for a sustainable and resilient society

#Governance #Coproductioin #SocioEcologicalTransition
#Resilience #Sustainability #Commons



6. Share water data and make it accessible and understandable to everyone

#FAIRData #DataAccess #Interoperability #Knowledge
#DigitalResources #DataAsCommonGood



Governance



COMEX

Executive committee of steering institutions
CNRS-BRGM-INRAE



G13

Institutional committee
3 pilot institutions
10 academic partners



CODIR

Board of 3 co-directors
CNRS-BRGM-INRAE



CODEFIS

Programme Committee
Challenge co-facilitators & Targeted Project Coordinators



CSI

International Scientific Committee
Pluridisciplinary



Think Tank

Multi-stakeholder Committee

Steering institutions



Partners



OneWater - Eau Bien Commun In brief

53

Million €
over 10 years

3

Steering
Institutions

10

Partner
establishments

1

International
Scientific
Committee

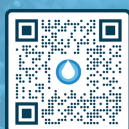
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Multi-stakeholder
water community

1

Multi-stakeholder
Think Tank

Find out more



OneWater in video



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