



# **Water and R&I policy**

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# Water challenges

- **Emerging pollutants**
- **Nutrients overload**
- **Water scarcity**
- **Unexploited Circular Economy potential**
- **Energy consumption of water systems**
- **Economic sustainability of water infrastructure**
- **Water governance**

# **Solutions to water challenges**

**Innovation plays a key role, e.g. in:**

- **Prevention of water pollution at source**
- **Water treatment, water reclamation and recycling of wastewater constituents**
- **Water efficiency, alternative sources**
- **Energy efficiency and energy generation in water systems**
- **Innovative governance models**
- **ICT enabled innovation**

# **EU water policy as a driver of innovation?**

- **UWWTD (+ ESIF as a financial tool and EIB)**
- **FWD**
- **2012 Water Blueprint**

## **Policy reform – emerging new generation policy:**

- **Drinking Water Directive**
- **Water reuse regulation**
- **Review of UWWTD**
- **Evaluation/review of WFD**

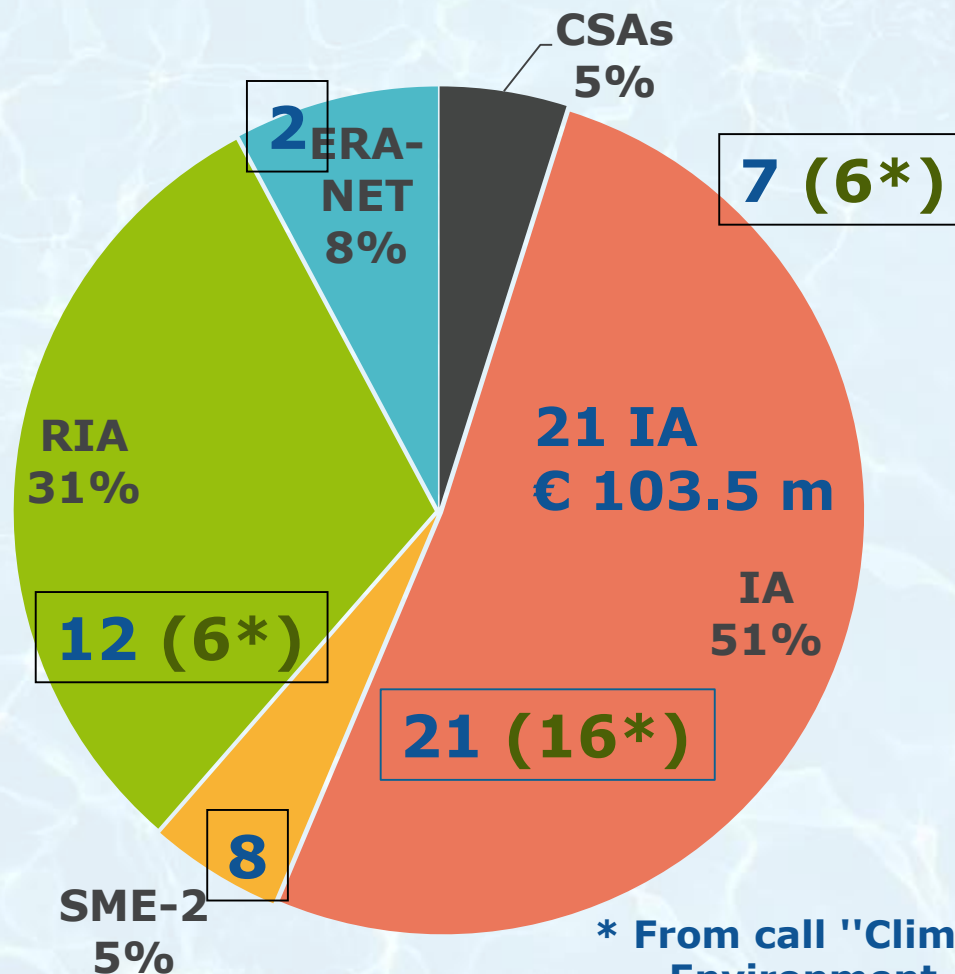
# EU support of water innovation

- **A number of water related projects in FP6, FP7 and Horizon 2020**
  - **SC Environment and Climate**
  - **SC Agriculture and Bio-economy**
  - **SC Energy**
  - **LEIT**
  - **InnovFin**
- **Water JPI (ERANET Cofund)**
- **PRIMA (Mediterranean region)**
- **EU international cooperation (China, India, Brasil)**
- **ESIF**
- **LIFE**



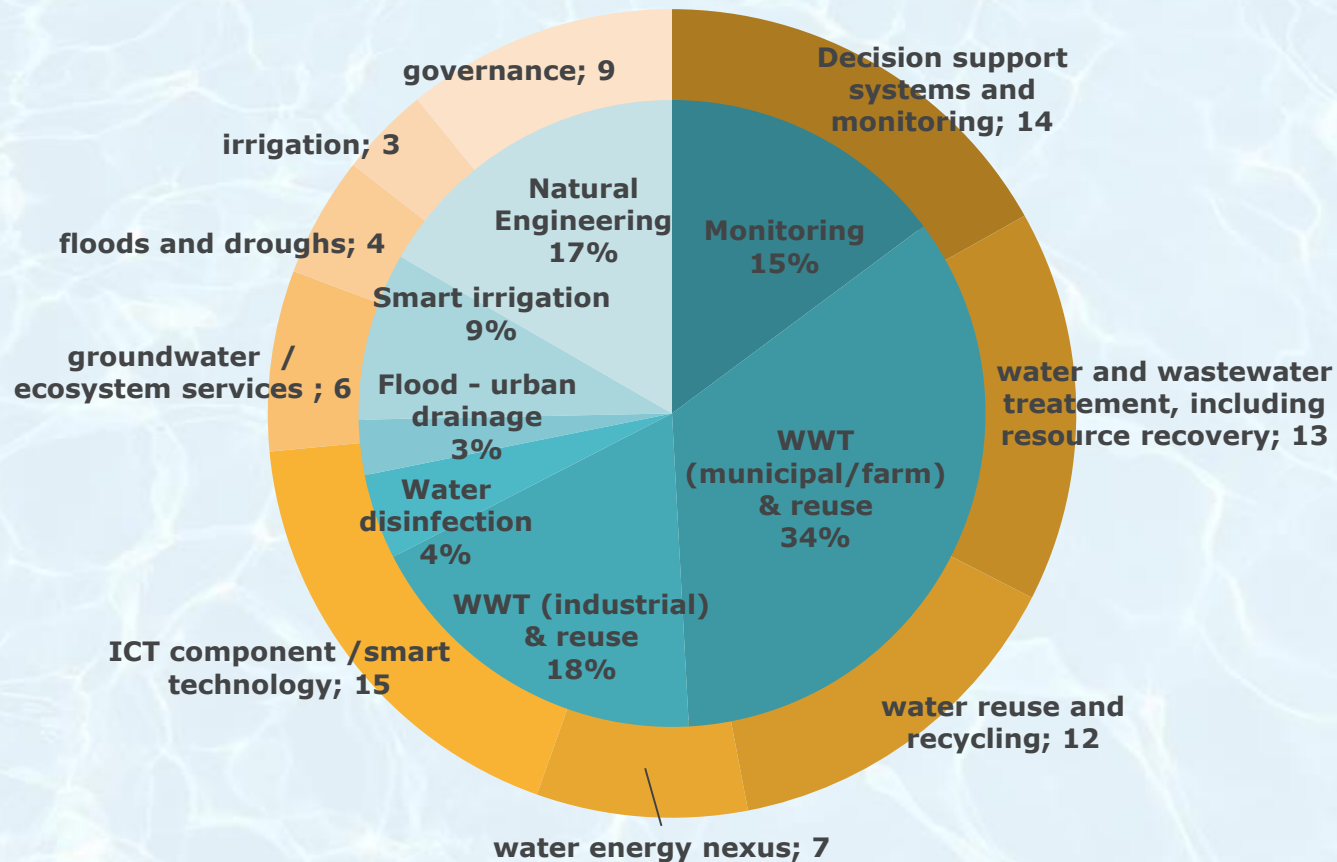
# H2020\* Water funding for 2014 -15

**50  
projects  
more than  
€215m**



**\* From call "Climate Action ,  
Environment, resource efficiency  
and raw materials**

# H2020 Water 1 IAs Thematic Coverage



# H2020 Work programme 2018-2019

## Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"

- **CE-SC5-04-2019: Building a water-smart economy and society (IA)**
  - a) Symbiosis between industry and water utilities,  
**or**
  - b) Large scale applications with various multiple water users and at various relevant scales.



# **R&I Policy Initiatives**

- **Innovation principle integration**
- **Innovation deals**
- **Access to finance**
  - **Financial instruments**
  - **Circular Economy finance support**
- **Science-based policy making -- Projects for Policy (P4P):**
  - **Urban Water Management**
  - **Integrated river basin management**
  - **Nutrients**
- **Strategic Research and Innovation Plans**

# Horizon Europe 2021-2027

- **100 BEUR**
- **ERC, EIC and a thematic segment**
- **5 thematic clusters (50% of funds) of which several are relevant for water:**
  - **Food and Natural Resources**
  - **Digital and Industry**
  - **Climate, Energy and Mobility**
  - **Inclusive and Secure Society**
- **Missions**