



World Water Forum 2015 and the possible role of European S&T

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“TIME FOR SOLUTIONS”



“Implementation”

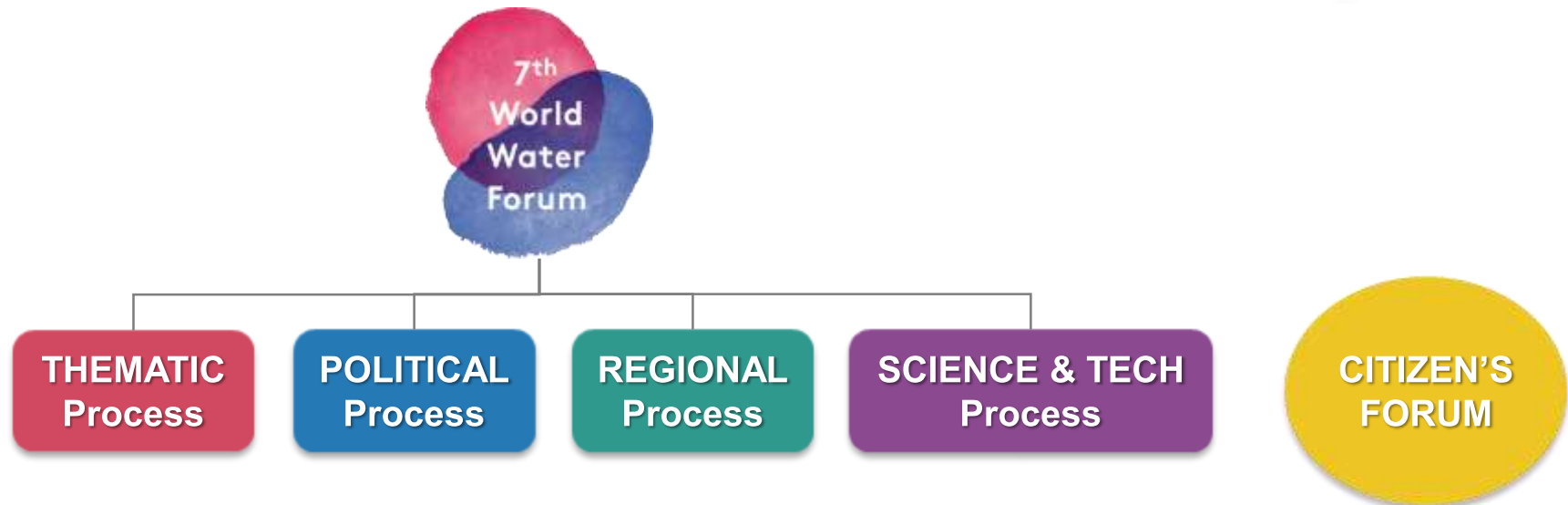
Key factors that contribute most strongly to successful implementation of solutions and to bringing them to scale

2015 – an important moment in history

- United Nations **Millennium Development Goals (MDGs)** will reach their deadlines.
- Momentum will be generated for setting a new **Sustainable Development Goals (SDGs)**.

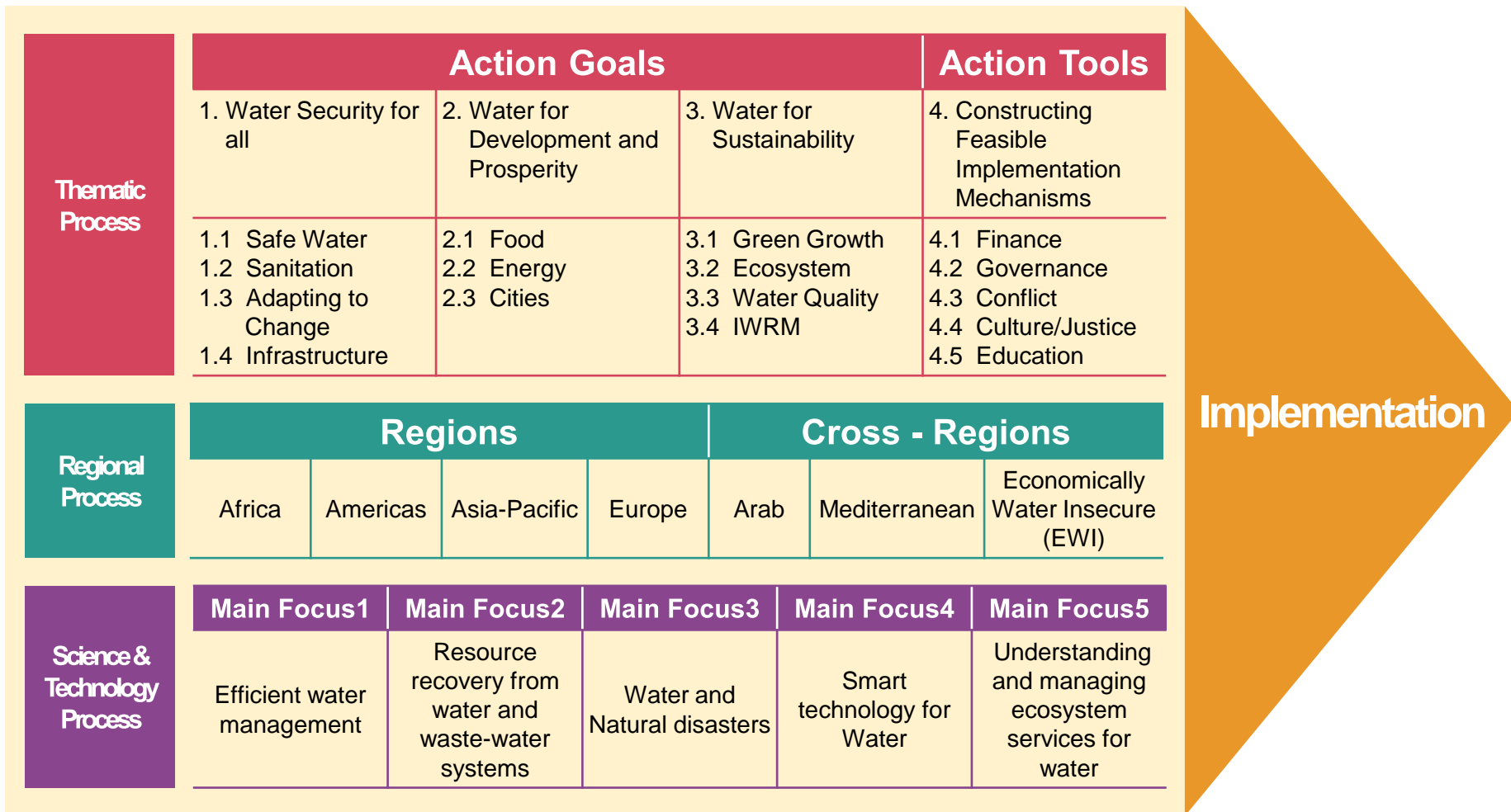


The 7th Forum will be landmark in the process of developing the water **SDGs**

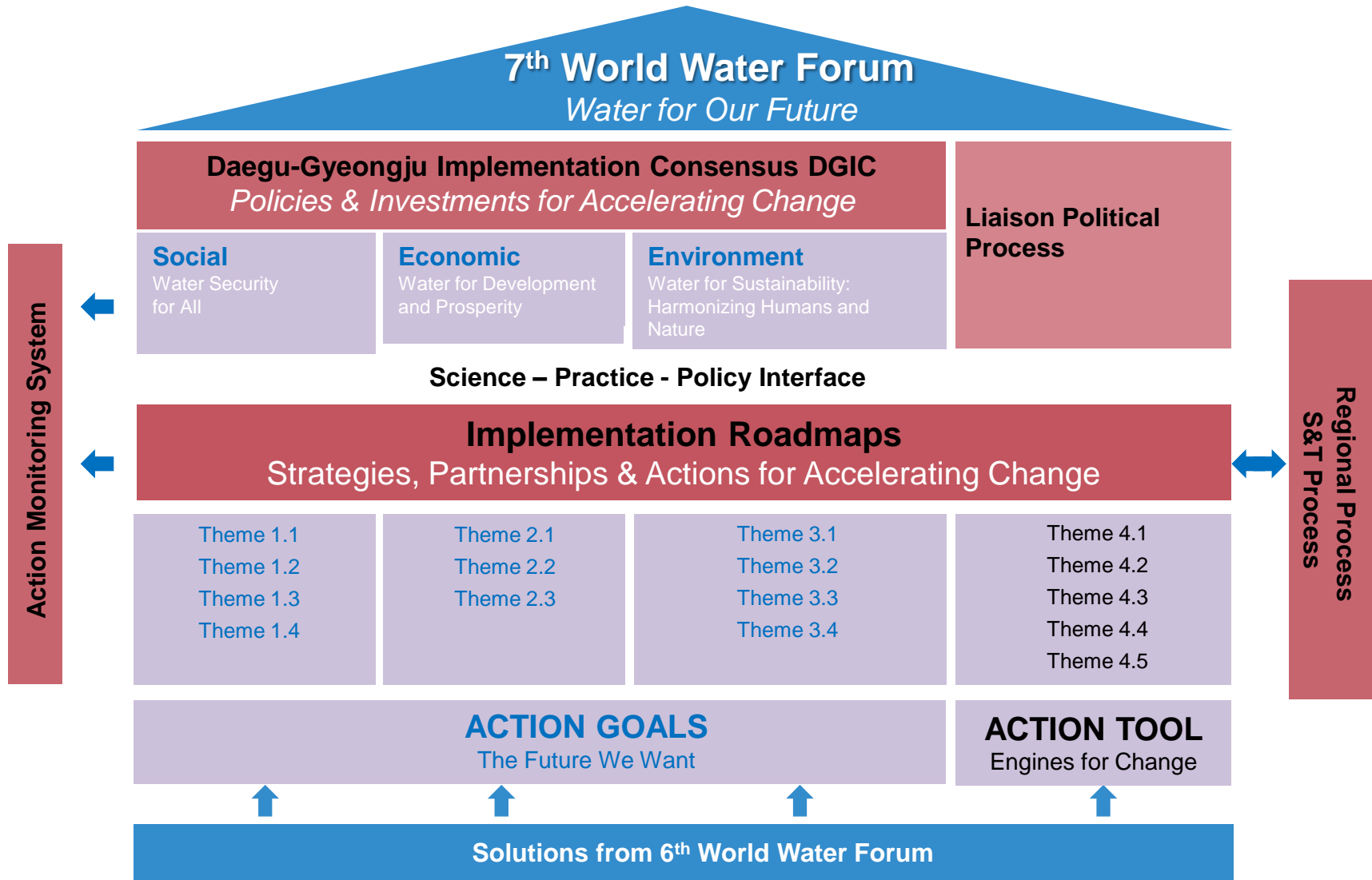


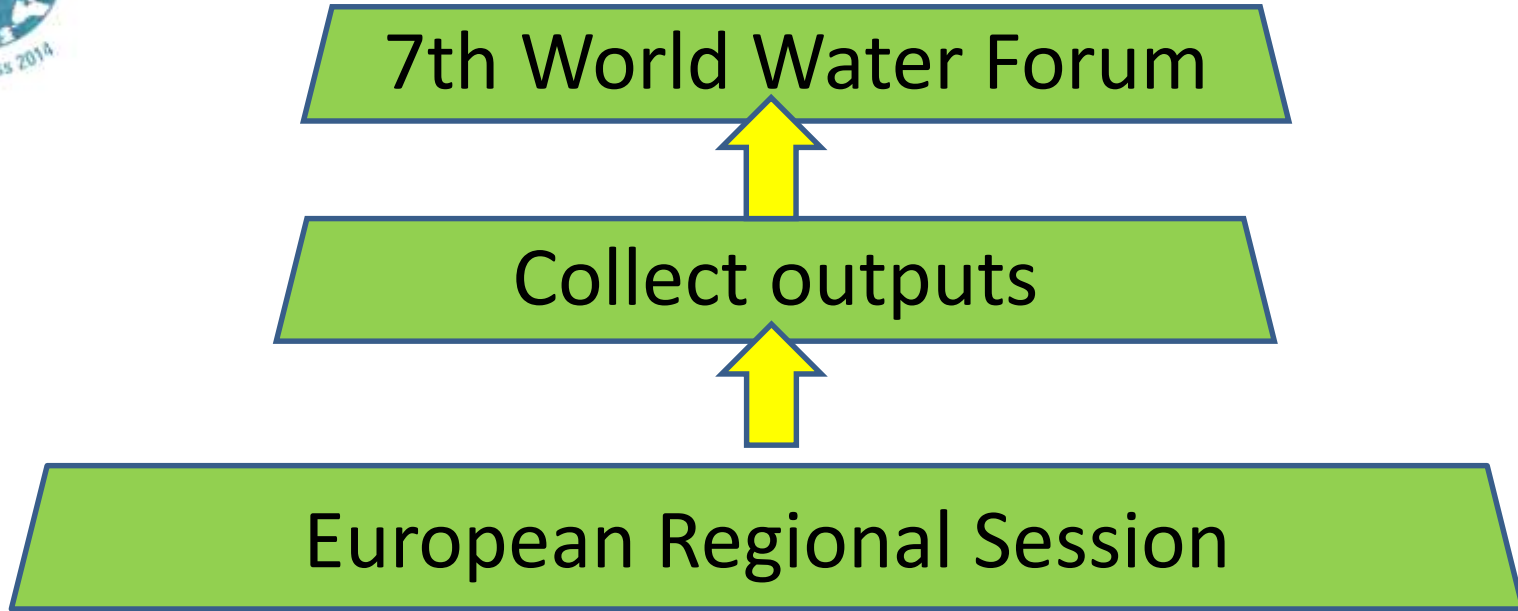
Science & Technology Process

- Current and future **water solutions** are highly dependent on the use of **scientific, research, new technologies and innovation processes**.
- By focusing on the role of science, technology and innovation in the water sector, **we could change the course of water services and sustainability**.



Thematic Concept Diagram





Transboundary water
management

Improved
implementation of EU
directives + UNECE

Climate Change

Water Efficiency in a
broader context

Urbanisation - Innovative
Urban Water
Management

Linking to Science and
Technology process

Objectives of Science and Technology Process (STP)



- 1 to improve** the understanding of the role of science and technology in innovating the water sector, covering leading edge, state of the art and appropriate science and technology development and application
- 2 to develop** guidance on the use of science and technology to implement and innovate water policies and realities, building on world-wide know-how and lessons learnt
- 3 to create** market and network opportunities for water problem owners and science, technology and engineering solution providers

Sub-focuses (tentative)



Main Focus	Efficient Water Management	Resource recovery from water and waste-water systems	Water and Natural Disasters	Smart Technology and Water	Understanding and Managing Ecosystem Services for Water
Sub Focus	<ul style="list-style-type: none"> • Urban water efficiency • Agricultural water efficiency • Industrial water efficiency • Energy efficiency in water and waste water systems 	<ul style="list-style-type: none"> • Water re-use and recycling technologies • Energy recovery and production from water and waste water cycles • Nutrients recovery from waste water 	<ul style="list-style-type: none"> • Climate change : impact assessment and adaptation • Drought analysis and management • Urban floods and damage reduction studies • RS and GIS applications for natural hazards 	<ul style="list-style-type: none"> • Urban and Irrigation water management and ST • Integrated and intelligent river basin water management and ST • Design and implementation of smart water grid • Water resources management and Big Data 	<ul style="list-style-type: none"> • The science and technology of natural and green infrastructure management • The economic valuation of ecosystem services for water • The payment for ecosystem services for water quality and delivery

1 **White Papers:** Strategic insight and foresight

- **The main areas will be developed** covering leading edge, state of the art and appropriate science and technology development and application
- **High quality science, technology and innovation reports** will be prepared by leading experts

2 **CEO Innovation Panel:** Bringing together business leaders from the water sector and beyond

- The CEO innovation Panel will be organized to **promote and create momentum** around innovation in the water sector and to **encourage new relationships between water-related and other stakeholders** to increase awareness in and beyond the water industry and a stepping stone for international cooperation.

3 **World Water Challenges:** Linking problem owners with solution providers

- For each of the defined STP World Water Challenges, **problem owners will be invited** to submit specific cases and situations that are emblematic for the defined challenge. **Solution providers will be invited to submit proposals** to tackle the defined situation.
- The proposals will be reviewed and **the finalists will be selected to present their case and solution at the 7th World Water Forum.**

Visibility of European S&T at WWF 2015:

- Regional sessions
- S&T sessions
- Thematic sessions

How can you participate?

- Organize og propose contributions to sessions
- Participate in events
- Contact us with good ideas and to learn more

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FWP: jf.donzier@oieau.fr - r.boyer@oieau.fr

See also: www.world-water-forum-2015-europa.eu/

Programme

13:00-13:15: World Water Forum 2015 and the role of S&T in European Process *by Jørn Rasmussen, DWF*

13:15-13:30: From FP7 to Horizon 2020 – new approaches to speed up innovation and market uptake of S&T *by Panagiotis Balabanis, EU DG Research*

13:30-13:45: Barriers and bottlenecks for implementation of innovation in Europe *by Antonia Morales Perez, EIP Expert Group*

13:45-14:00: Market and network opportunities based on improved cooperation – challenges and experiences as seen by WssTP *by Durk Krol, WssTP*

14:00-14:15: Triple Helix approaches to improve cooperation and innovation *by Selma Hilgersom, NWP*

Programme cont'

14:15–15:15: EIP Action Groups – WssTP Working Groups

- City blueprints *by Kees van Leeuwen*
- Water and irrigated agriculture in a resilient Europe *by Adriano Battilani*
- Industrial water reuse and recycling *by Albert Jansen*
- Resource recovery *by Pieter de Jong,*

15:15-15:30: Coffee break

15:30 -16:30: Break-out groups and discussions

16:30-17:00: Report back and wrap up incl. possible European S&T sessions in Korea