

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

Jørn Rasmussen Danish Water Forum









"TIME FOR SOLUTIONS"



"Implementation"

Key factors that contribute most strongly to succesfull 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).

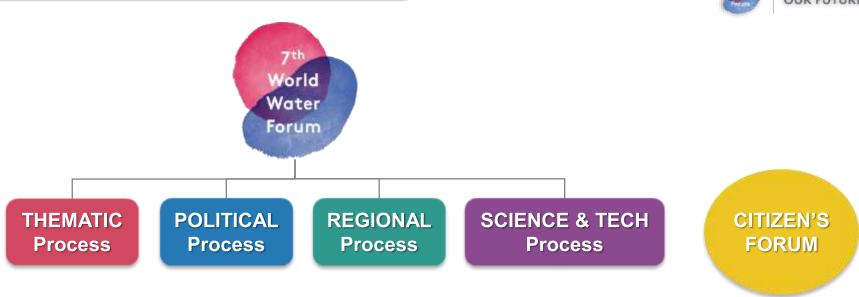


The 7th Forum will be landmark in the process

of developing the water SDGs

2. Processes







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.

3. Framework



	Action Goals										tion Tools
Thematic Process	Water Security for all			Water for Development and Prosperity			3. Water for Sustainability			4. Constructing Feasible Implementation Mechanisms	
	1.1 Safe Water1.2 Sanitation1.3 Adapting to Change1.4 Infrastructure			2.1 Food 2.2 Energy 2.3 Cities			3.1 Green Growth 3.2 Ecosystem 3.3 Water Quality 3.4 IWRM			4.1 Finance 4.2 Governance 4.3 Conflict 4.4 Culture/Justice 4.5 Education	
	Daviene Cuesa Beniene										
Regional Process	Regions						Cross - Regions				
	Africa	Africa Americas		Asia-Pacific	c Europe		Arab Mediter		Mediterra	nean	Economically Water Insecure (EWI)
Science & Technology Process	Main Focus1		Main Focus2		Main Focus		:us3	Main Focus4		ıs4	Main Focus5
	Efficient water management		red \ w	Resource covery from water and aste-water systems	Water and Natural disaste			Smart technology f Water		for	Understanding and managing ecosystem services for water

Implementation

Regional Proces

S&T Process

Thematic Concept Diagram



Daegu-Gyeongju Implementation Consensus DGIC

Policies & Investments for Accelerating Change

Social

System

Action Monitoring

Water Security for All

Economic

Water for Development and Prosperity

Environment

Water for Sustainability: Harmonizing Humans and Nature

Liaison Political Process

Science - Practice - Policy Interface

Implementation Roadmaps

Strategies, Partnerships & Actions for Accelerating Change

Theme 1.1 Theme 1.2

Theme 1.3

Theme 1.4

Theme 2.1

Theme 2.2

Theme 2.3

Theme 3.1

Theme 3.2

Theme 3.3

Theme 3.4

Theme 4.1

Theme 4.2

Theme 4.3 Theme 4.4

Thoma 4

Theme 4.5

ACTION GOALS

The Future We Want

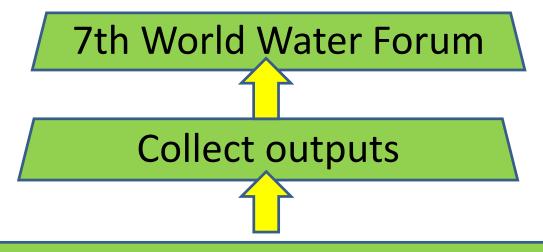
ACTION TOOL

Engines for Change

Solutions from 6th World Water Forum







European Regional Session

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

DWF

Danish Water Forum



Objectives of Science and Technology Process (STP)



- **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
- **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
- **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	 Urban water efficiency Agricultural water efficiency Industrial water efficiency Energy efficiency in water and waste water systems 	 Water re-use and recycling technologies Energy recovery and production from water and waste water cycles Nutrients recovery from waste water 	 Climate change: impact assessment and adaptation Drought analysis and management Urban floods and damage reduction studies RS and GIS applications for natural hazards 	 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 	 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

Special Programs



- 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
- **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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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 *byDurk 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



