



# IDA Vandmiljø 2007

Europæisk vandsamarbejde – hvordan  
kan Danmark deltage her?

/Jørn Rasmussen, DHI og medlem af bestyrelsen af European Water  
Supply and Sanitation Technology Platform (WSSTP)



# Some European water related networks

- EURAQUA
- EUROGEOSURVEYS
- EUREAU
- ENCORA
- EUROPEAN WATER PARTNERSHIP
- EUROPEAN WATER SUPPLY AND SANITATION TECHNOLOGY PLATFORM



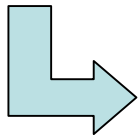
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- Vision
- Strategic Research Agenda
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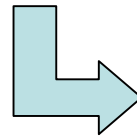
# European Technology Platforms

Focus on strategic issues where achieving Europe's future growth, competitiveness and sustainability depends upon major technological advances

Stakeholders, led by industry, come together to **agree a common vision** for the technology.



Stakeholders **define a Strategic Research Agenda** setting out the necessary medium- to long-term objectives for the technology.



Stakeholders **implement the Strategic Research Agenda** with the mobilisation of significant human and financial resources.



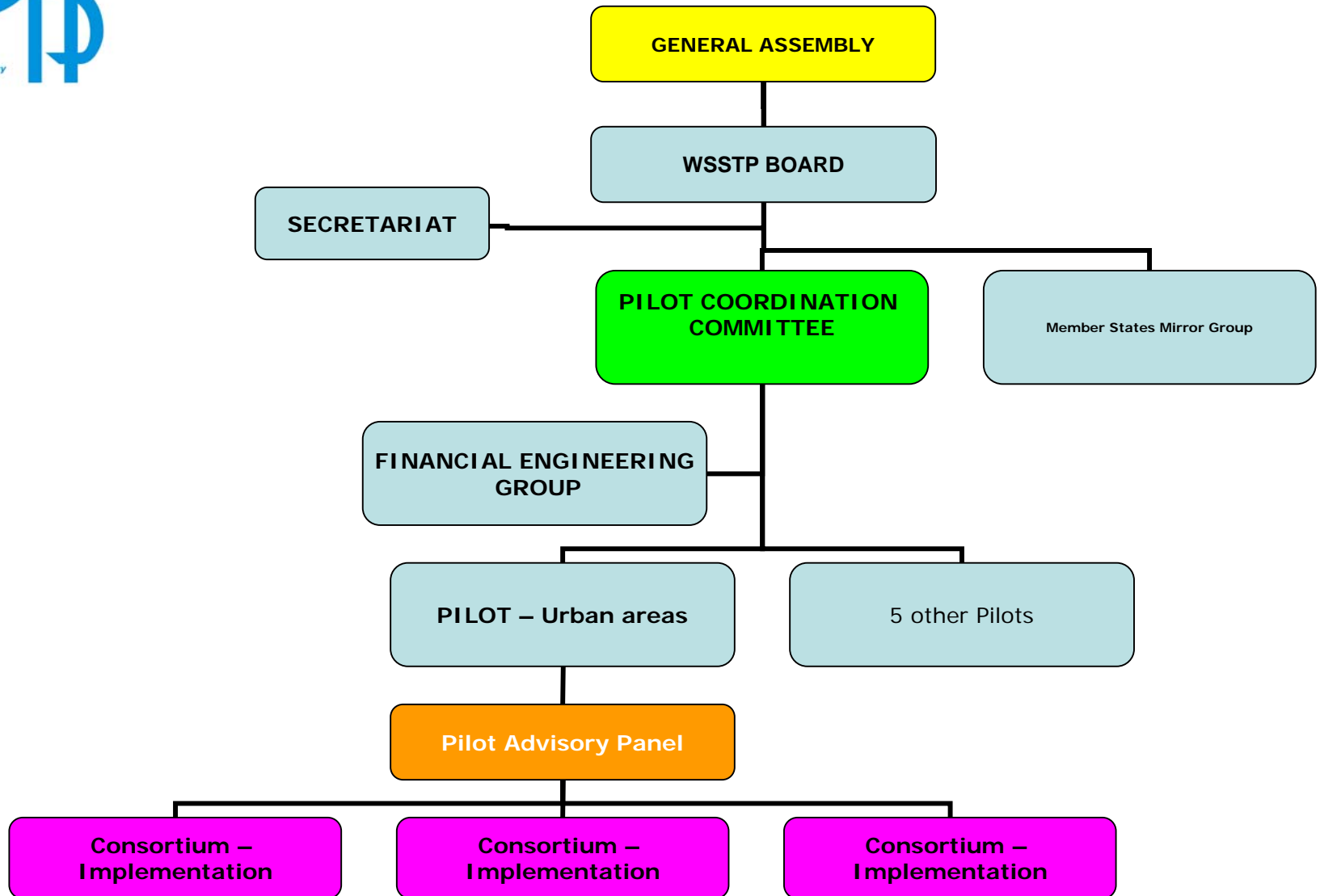
# The Water Supply and Sanitation Technology Platform - WSSTP

- Established as an international non-profit association ("I.N.P.A."/"I.V.Z.W."/"A.I.S.B.L.") according to Belgian law
- Open to all stakeholders
- Objectives
  - Enhance the competitiveness of the European water industry
  - Solve European water problems
  - Support European commitments to achieving Millennium Development Goals

# 14 founding members

- College A ("Industry"):
  - Veolia Environnement (F), UK Water Industry Research (UK), Suez Environnement SA (F), Union des Industries et Entreprises de l'Eau et de l'Environnement (F), Services Pétroliers Schlumberger (F), Eucetsa (B)
- College B ("Research and technological development")
  - IWA Publishing (UK), Kiwa Water Research (NL), Delft Hydraulics (NL), Danish Water Forum (DK), Sintef (N), ....TNO (NL), Cemagref (F)
- College C ("Public Utilities, water users,...")
  - EUREAU (B)

# WSSTP governance





# The scope of the work ...in the past

The platform has produced:

- a common **Vision** document for the whole European water industry and visions for five sub-themes
- a synthesis **Strategic Research Agenda** covering generic research and enabling technologies needs and separate research agendas for five sub-themes
- an **Implementation Plan**
- and have involved more than 300 people in 20 countries
- See [www.wsstp.org](http://www.wsstp.org) (under reconstruction)



# The Vision

By 2030 the European water sector is the leading centre of expertise for providing safe, clean and affordable water services while protecting nature. The sector applies a variety of new integrated approaches to solve diverse and interlinked problems. It uses efficient and sustainable technologies which enhance the social, economic and environmental well-being of the community as well as the health and well-being of the planet and its peoples.



# SRA implemented through pilots

**IWRM** as the underlying principle and guiding strategy

**Pilots** as the principal integrating and organisational structure embracing activities such as generic research, enabling technologies development, prototype development, piloting, demonstration and full scale implementation

## **Six pilot programmes:**

- Mitigation of water stress in coastal zones
- Sustainable water management inside and around large urban areas
- Sustainable water management in agriculture
- Sustainable water management in industry
- Reclamation of degraded water zones
- Proactive and corrective management of water impacts from extreme hydro-climatic events

**40 Implementation Cases** identified (preliminary)



# The scope of work ..... to come

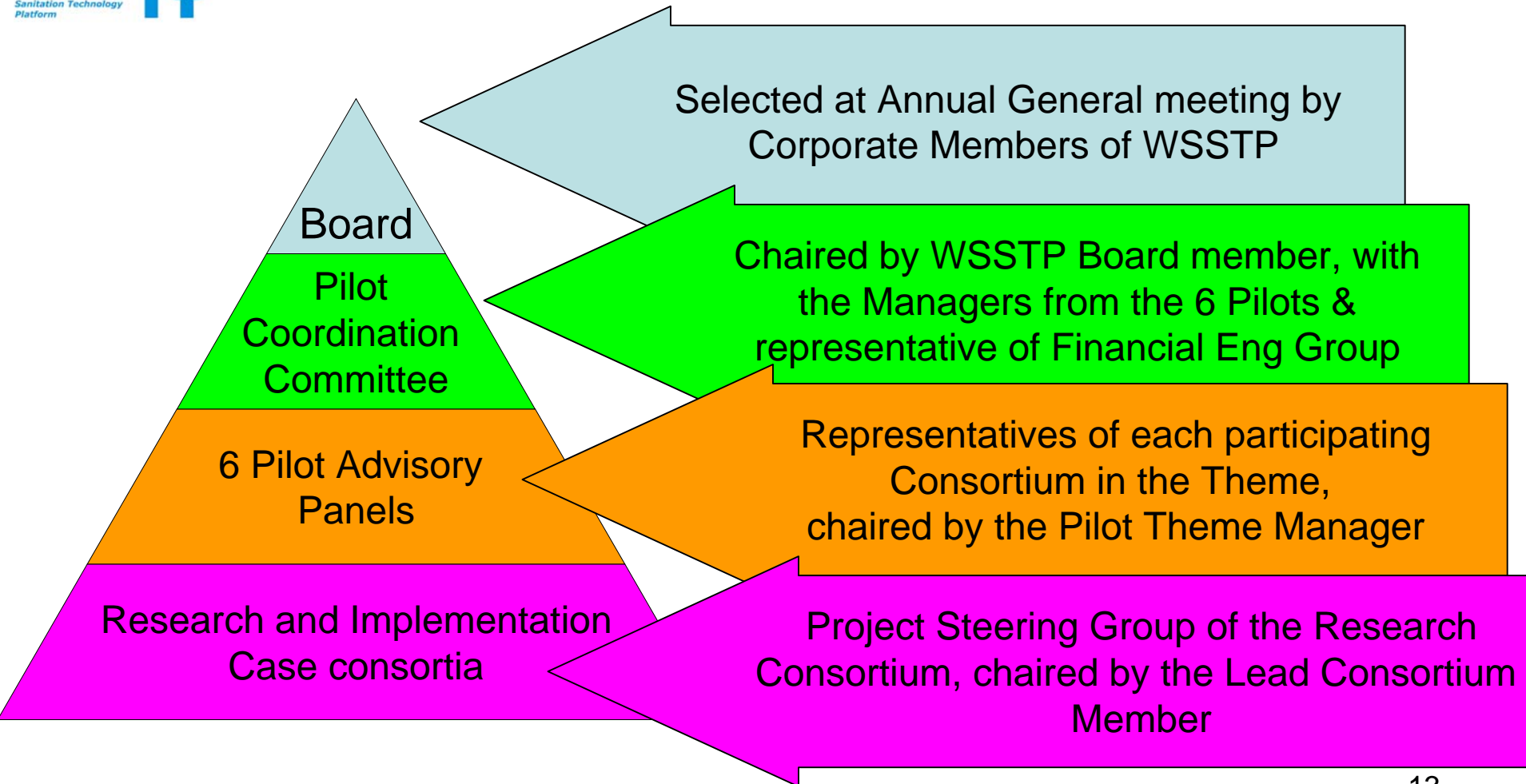
## Major ongoing board activities:

- Establish secretariat/Liaison officer
- Develop communication plan and strategy
- Mapping of and developing new financing mechanisms
- Lobbying/profiling of WSSTP
- Initiate/facilitate pilot programmes

# Pilot Framework

- **Consortia**
  - Groups working together on specific topics
  - May be several Consortia within a Pilot
  - Some may focus on research, other on demonstration projects
  - Consortia may be funded in different ways
- **Pilot Advisory Panel**
  - Representatives from all Consortia
  - Looking for synergy between Consortia
  - Spreading Generic research between Consortia
  - Coordinated by Pilot Manager
- **Pilots Coordination Committee**
  - All Pilot Managers
  - Looking for synergy between Pilots
  - Spreading generic research between Pilots
  - Chaired by a WSSTP Board member

# Hierarchy of coordination



# Research topics grouped into six pilot programmes

## Sustainable water management in large cities

- Lead by Mike Farrimond, UKWIR
- December 2006, Key issues questionnaire circulated
- May 2007, responses analyzed
- June 2007, analysis circulated
- Kick-off workshop in Paris in June 2007
- Follow-up workshops
  - Supply and demand balance, Berlin 27-28 August 2007
  - Managing rain events and flooding in urban areas, Århus 24-25 September 2007
  - Sludge management, Prague 4-5 October 2007
  - Asset management, Lissabon 20 October 2007
  - Water treatment, ?? November 2007
  - Sensors, ?? December/January 2008

# Research topics grouped into six pilot programmes

## Mitigation of water stress in coastal zones

- Lead by Angeline Kneppers, Scumberger
- Kick-off workshop in Barcelona, 15 October 2007

## Sustainable water management for agriculture

- Lead by Copa-Cocega

## Sustainable water management for industry

- Lead by Albert Janssen, TNO

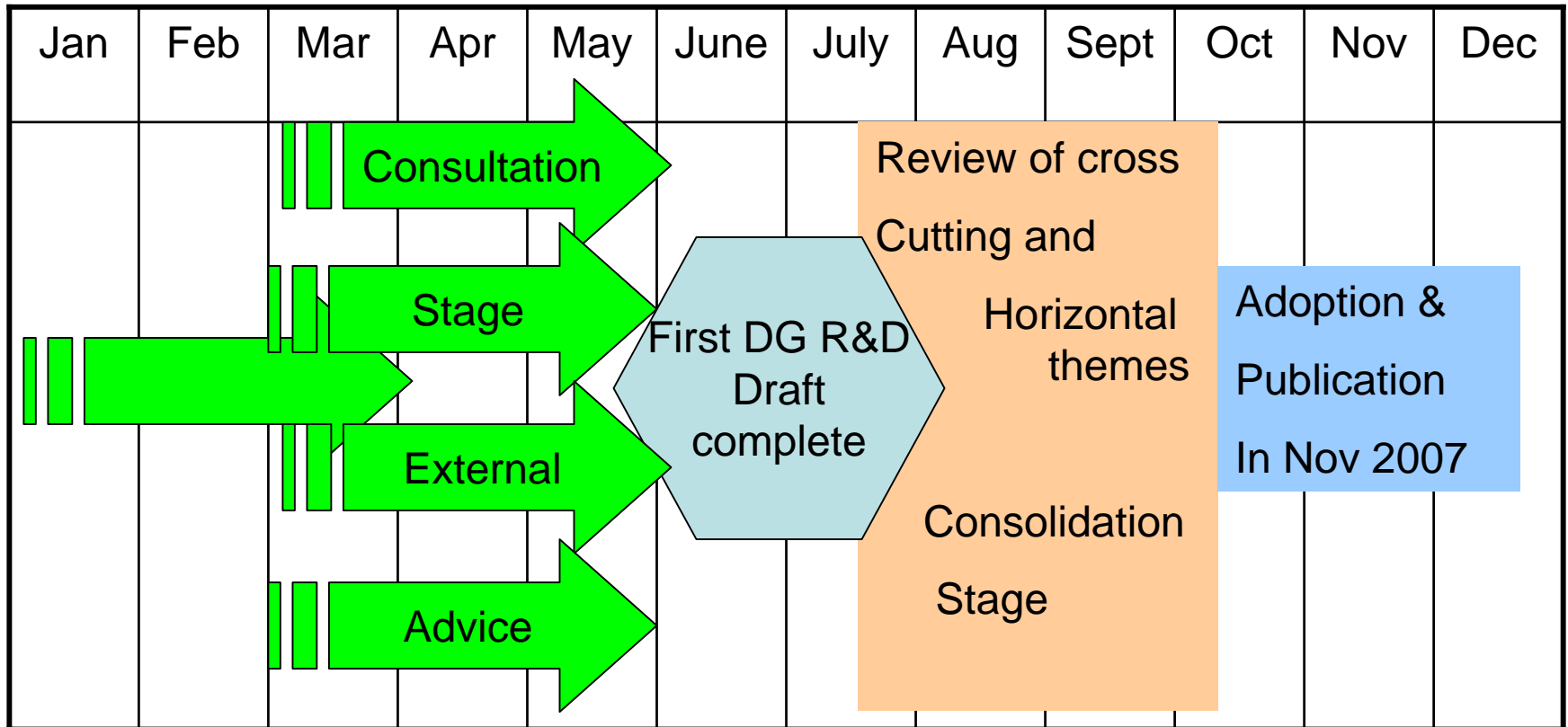
## Reclamation of polluted water zones (surface and groundwater)

- Lead by Gaele Rodenhuis, Delft Hydraulics,
- Kick-off workshop, Delft 5 October 2007

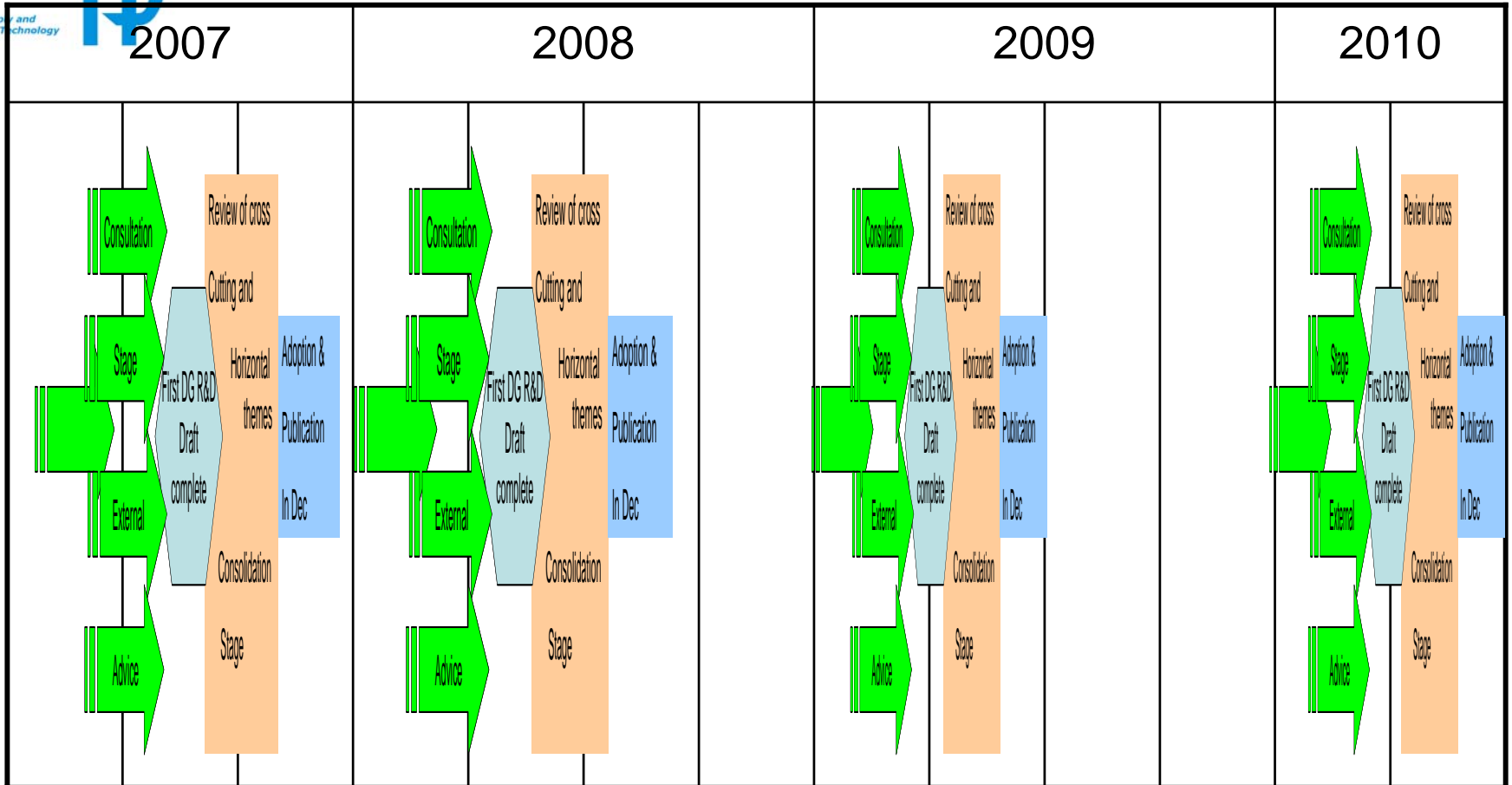
## Proactive and corrective management of extreme hydro-climatic events

- Lead by Mike Butts, DHI

# DG R&D programme development, 2007



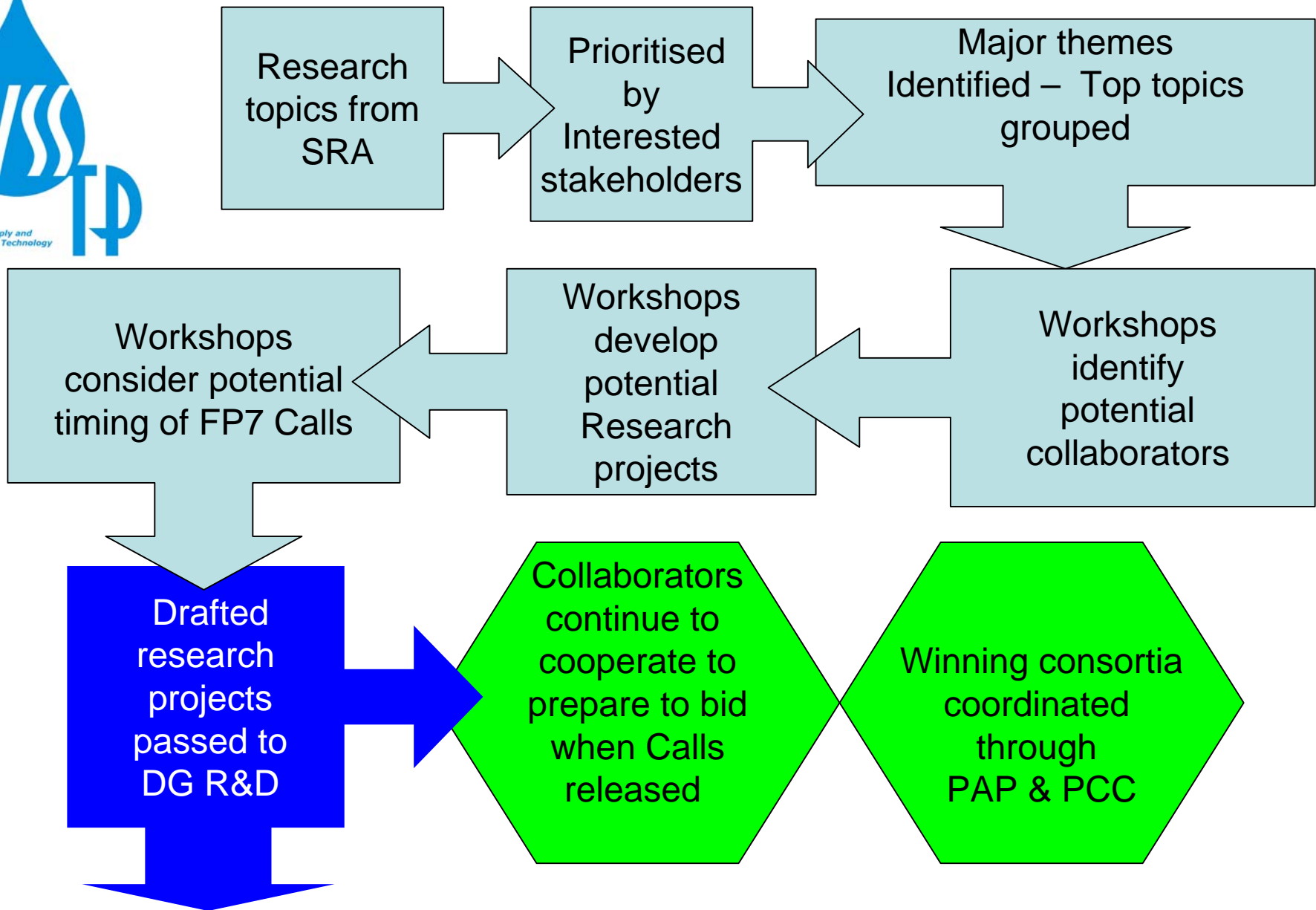
# Towards 2010



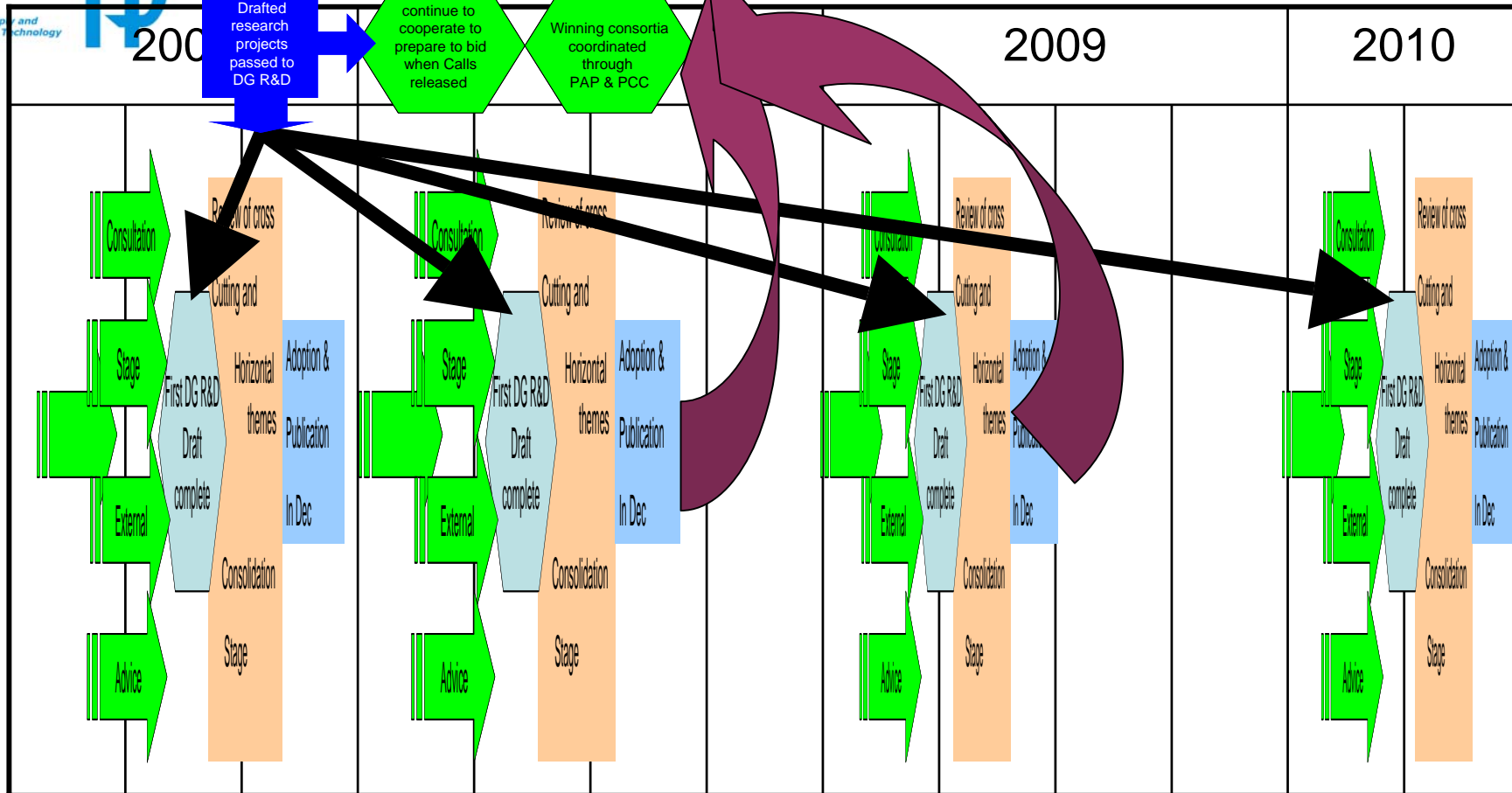


# Pilot start up format

- All survey respondents invited
- At least one WSSTP Board member
- 2 - 4 invited “experts”
- Review material circulated in advance
- Current EU project information available
  
- 2-day event
  
- **OUTPUTS**
  - *Groups of utilities/cities/stakeholders willing to collaborate*
  - *Outline proposals developed for major work programmes*
  - *Potential demonstration sites agreed*



# Bringing it all together





## Some final remarks

- Join the WSSTP
- Danish EU Waternet
- Revive Danish Eureka Program
- Establish Danish Environmental Technology Development and Demonstration Program (MUDP)