The background of the slide is a composite image. On the left, there are several vertical industrial pipes or columns. On the right, there are dynamic splashes of blue water. The text is overlaid on a dark blue semi-transparent shape that follows the curve of the water splashes.

Coordinating European Strategies on Sustainable Materials, Processes and Emerging Technologies Development in Chemical Process and Water Industry across Technology Platforms

Thomas Track, Inge Genné

www.chemwater.eu

ChemWater is a jointly envisioned strategy, developed out of the cooperation between the European Technology Platforms SusChem and WssTP.

*ChemWater addresses a key pan-European concern:
the efficient management of water
in process industry.*

The Networks of Excellence EMH, ENMIX and ERIC are key partners to design this strategy.

DIS from NoE

ETP

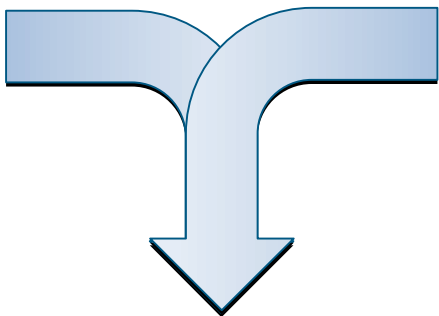



WssTP Task force
Membranes for
water treatment



Informal Collaboration
(N2I)

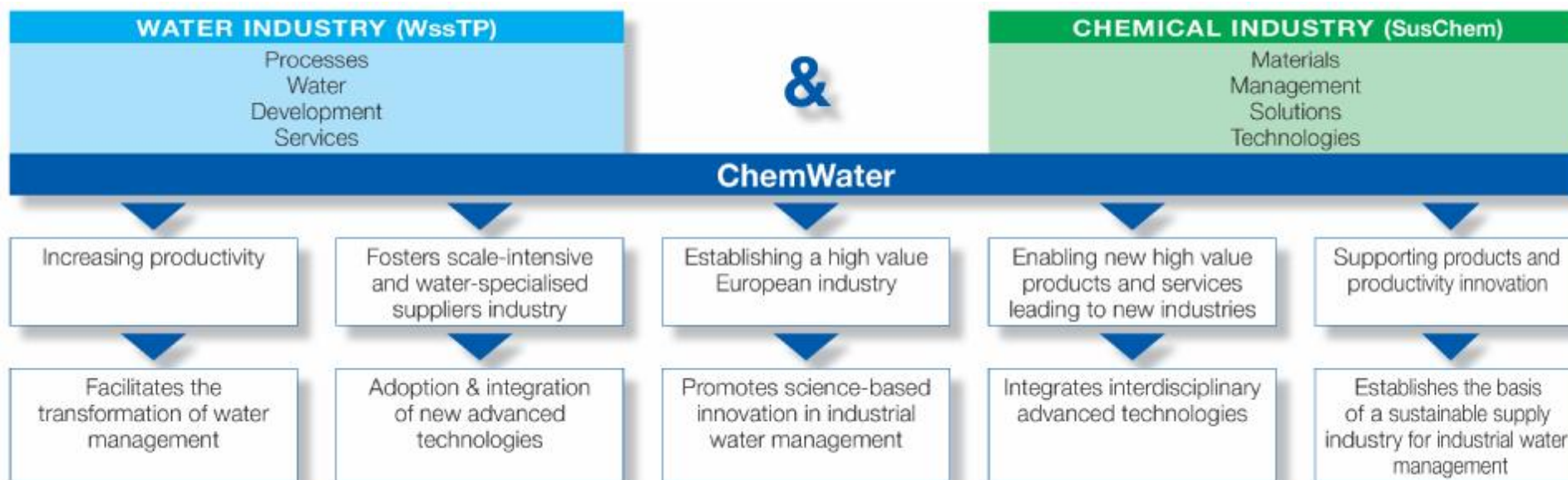
Strategic collaboration
WssTP – Suschem



 **ChemWater**
Water for chemistry and
chemistry for water



Creating synergies between water (technology) industry and chemical (process) industry.



- Improvement of processes making more efficient use of water;
- Integration of the water parameter in the development of new processes and design of industrial and manufacturing plants;
- Development of new materials (such as reactive membranes) for improved processes;
- Integration of emerging technologies such as nanotechnologies in both existing and upcoming industrial sectors (e.g. white biotechnology);
- Potential use / leverage of best practice in industrial process technologies, like process intensification (F3 Factory), for water treatment processes.

- Interdisciplinary and cross-sectoral synergies between chemical processes and the water industry;
- Facilitate the rapid uptake and commercialisation of enhanced materials, technologies and production processes for an optimized industrial water management;
- A common long-term vision and strategy regarding technologies directed to realize an efficient industrial water management;
- An effective dissemination strategy

1

• ***The inventory and basis for efficient activities and strategies:*** Identification of common and complementary elements and synergy fields of ETPs, NoEs and other initiatives

2

• ***Sharpening the focus – where to head to and what to address:*** Vision 2050: Water Efficient Europe

3

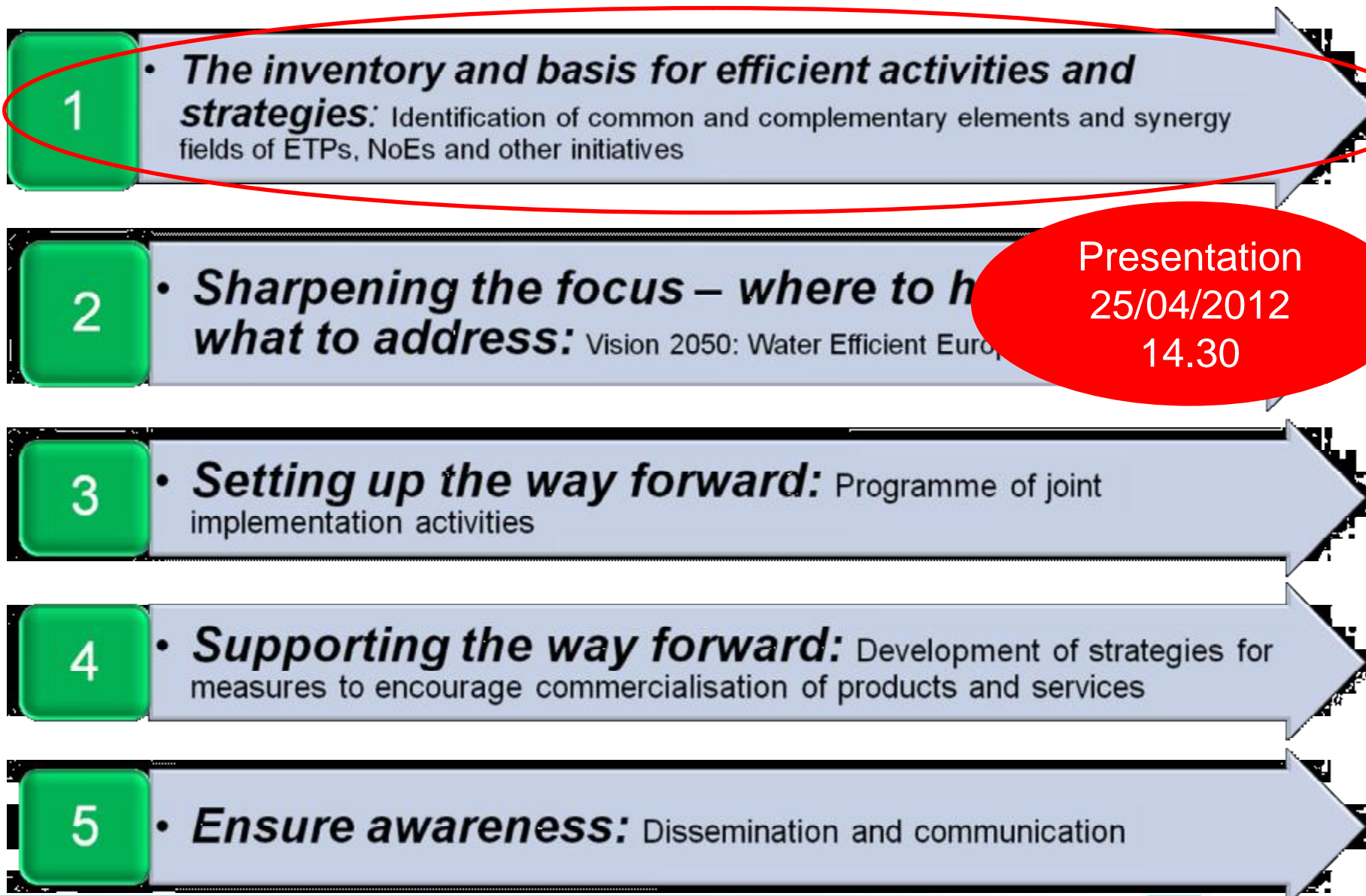
• ***Setting up the way forward:*** Programme of joint implementation activities

4

• ***Supporting the way forward:*** Development of strategies for measures to encourage commercialisation of products and services

5

• ***Ensure awareness:*** Dissemination and communication



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- ***Ensure awareness:*** Dissemination and communication

§2nd Workshop (“Identifying gaps and challenges”)

24 May 2012, Brussels, satellite event of the Green Week

contact & registration: inge.huiskes@tno.nl

§3rd Workshop (“Definition of routes to solutions”)

5 September 2012

§Development of implementation activities (09/2012 – 08/2013):

§ How can we realize solutions?

- to close gaps
- to transfer challenges into activities

§How can you benefit, contribute & participate?

- Workshops, Website , Direct contact

Thank you very much for your attention

Contact: www.chemwater.eu
track@dechema.de



DECHEMA e.V. – Society for Chemical Engineering and Biotechnology, Germany (www.dechema.de)



CEFIC – European Chemical Industry Council, Belgium (www.cefic.org)



TNO – Netherlands Organization for Applied Scientific Research, The Netherlands (www.tno.nl)



SE – Suez Environment SA, France (www.suez-environnement.com)



EMH – European Membrane House, Belgium (www.euromemhouse.com)



VITO – Flemish Institute for Technological Research NV, Belgium (www.vito.be)



UCM – Complutense University of Madrid Spain (www.ucm.es/info/iqpaperl)



CU – Cranfield University, UK (www.cranfield.ac.uk)



ERIC – European Research Institute of Catalysis, Belgium (www.eric-aisbl.eu)



ENMIX – European Nanoporous Materials Institute of Excellence, Belgium (www.enmix.org)



VE – Veolia, France (www.veolia.com)

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