

27-29 September 2007, Budapest, Hungary

www.unido.org/foresight/summit/2007

TECHNOLOGY FORESIGHT SUMMIT 2007



water productivity in industry

In cooperation with the Governments of Austria,
Czech Republic, Hungary and Slovenia



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



Foresight is a systematic, participatory process, collecting future intelligence and building medium- to long-term visions, aimed at influencing present-day decisions and mobilizing joint actions. It helps in making choices in complex situations by discussing alternative options, bringing together different communities with their complementary knowledge and experience.

WHY THE SUMMIT?

- To build a forum for the discussion of concepts and good practices on supporting technology and innovation for industrial development using foresight as a key instrument for consensus building and strategic decision-making.
- To bring together the highest policy level representatives to discuss future-related trends, strengths, weaknesses, threats and opportunities for their countries, companies and regions, which can be addressed through the early mobilization of technology and knowledge with strong involvement of the business sector in the discussions and deliberations.
- To develop recommendations and agreements with the different stakeholders regarding support for key technological development, with special attention to water productivity and quality.
- To sustain and strengthen awareness of the critical importance of technology foresight among decision makers in the region in order to foster competitiveness and innovation.
- To initiate and implement foresight exercises jointly at the regional, supra- and subnational levels

HOW WILL IT BE ORGANIZED?

The **SYMPOSIUM ON WATER PRODUCTIVITY IN THE INDUSTRY OF THE FUTURE** is devoted to cross-cutting issues in water availability and quality, stressing main tendencies, barriers and visions for reaching sustainable industrial development. The four sessions will give an overview of future developments in:

- (1) Strategies for saving water and increasing industrial water productivity
- (2) Matching water quality to use requirements
- (3) Water recycling and on-site reuse
- (4) Using reclaimed water (direct and indirect water reuse)

The Foresight exercise on avoiding water discharge by industry in the future—towards a zero discharge—will be presented and discussed in this plenary session.

The **WATER TECHNOLOGY FAIR OF THE FUTURE** consists of exhibitions and discussions presenting industry-led future trends and perspectives, prototypes, products, processes and markets regarding sustainable use of water by industry. In this context, the industry is invited to present their solutions for reducing and avoiding the pollution of water resources in the long run.

The **MINISTERIAL ROUND TABLE** will focus on the future of sustainable water availability and quality in the region. The ministerial consultations will address the promotion of a zero-discharge agreement and incentives at the international level. At a working lunch, key-note addresses will open discussions on the impact of industrial development on water demand and virtual water trade.

The **TECHNOLOGY FORESIGHT THEMATIC PANELS** focus on selected experiences and proposals using foresight as a tool for decision-making and consensus building for creating a knowledge-based society and enhancing innovation in countries in transition. The panels will also present and discuss critical technologies, which could address the challenges envisaged in the next 20 years in CEE/NIS.

Day 1 – 27 September 2007

PLENARY SESSIONS

15:00 – 15:30	Opening ceremony of the Summit
16:00 – 18:00	Summit scope <i>Future of using water in industry</i> <i>Foresighting for economic development</i>

FAIR OF THE FUTURE

13:00 – 14:00	Opening ceremony of the Fair
14:00 – 18:00	Exhibitions and presentations by companies and R&D institutes
19:00	Welcome reception

Day 2 – 28 September 2007

WATER SYMPOSIUM

9:00 – 10:30	W1: Saving water and increasing industrial water productivity <i>Value added by industry per unit of water used</i> <i>Financial implications of the water recycling ration</i> <i>Contribution from sound waste management practices</i> <i>Energy recovery from waste</i> <i>CSR and BEP</i>
10:30 – 12:00	W2: Matching water quality to use requirements <i>Stream separation</i> <i>Adequate treatment technologies</i> <i>Matching water withdrawal with water productivity</i>
12:00 – 13:30	Lunch
13:30 – 15:00	W3: Water recycling and on-site reuse <i>Voluntary measures vs regulation</i> <i>Best available technologies</i> <i>Technologies for raising the water recycling ration</i> <i>Industrial parks with combined treatment methods and reuse policies</i>
15:00 – 16:30	W4: Using reclaimed water <i>Matching water quality requirements</i> <i>Quality monitoring technologies</i>

TECHNOLOGY FORESIGHT PANELS

9:30 – 12:00	TF1: Experiences and good practices of TF in the European region (multi-country, national and regional levels) <i>Application of TF process at different levels to promote technology and innovation.</i> <i>Impact of TF in the decision-making process for technology/innovation promotion</i> <i>Methodologies and outcomes from selected experiences</i> Case presentations: <ol style="list-style-type: none">1. Multi-country foresight2. Regions foresight3. Foresight for national STI strategy4. Corporate foresight
12:00 – 13:30	Lunch
13:30 – 16:30	TF2: Priority setting for future critical and key industrial technologies as driving forces for economic development and competitiveness <i>According to existing TF exercises, to discuss:</i> <ul style="list-style-type: none">• <i>technology development trends and critical technologies</i>• <i>sectors that need critical technology change, and</i>• <i>main directives for setting RTDI priorities for funding and implementing dedicated programmes</i> Case presentations: <ol style="list-style-type: none">1. <i>Critical technologies</i>2. <i>Scenarios and road mapping for key technologies</i>3. <i>RTDI priorities</i>

FAIR OF THE FUTURE

9:30 – 18:00	Exhibitions and presentations by companies and R&D institutes
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PLENARY SESSION

16:30 – 18:00	Foresight exercise on zero discharge <i>Presentation of the results and recommendations of the study</i>
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Day 3 – 29 September 2007

MINISTERIAL ROUND TABLE

9:00 – 10:00	Presentation of conclusions and recommendations of the Summit
10:00 – 12:00	Ministerial consultations
12:00 – 13:30	Working lunch
13:30 – 14:00	Rapport on resolutions
14:00 – 14:30	Closing ceremony
15:00 – 16:00	Press conference
17:00	Closing reception

FAIR FOR THE FUTURE

9:30 – 15:00	Exhibitions and presentations by companies and R&D institutes
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27 SEPTEMBER 2007		28 SEPTEMBER 2007			29 SEPTEMBER 2007	
Plenary Sessions	Fair of the Future	Water Symposium	TF Panels	Fair of the Future	Ministerial Round Table	Fair of the Future
		W1: Saving water and increasing industrial water productivity	TF1: Experiences and recent practices of TF in the European region (multi-country, national and regional levels)	Exhibitions and presentations by companies and R&D institutes	Presentation of conclusions and recommendations of the Summit	Exhibitions and presentations by companies and R&D institutes
		W2: Matching water quality to use requirements			Ministerial consultations	
		Lunch			Working lunch	
	Opening ceremony of the Fair	W3: Water recycling and on-site reuse	TF2: Priority setting for future critical and key industrial technologies as driving forces for economic development		Rapport on resolutions	
Opening ceremony of the Summit	Exhibitions and presentations by companies and R&D institutes	W4: Using reclaimed water			Closing ceremony	
Plenary session: Summit scope		Plenary session: Foresight exercise on zero discharge			Press conference	
Welcome reception					Closing reception	

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Co-organized with the Ministry of Economy and Transport of Hungary



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