

INNOWATER Workshop

Food processing Industry – water use efficiency- waste water treatment- challenges in Europe and China and technology needs

Financing of innovations

Innowater tools

Meet the innowater experts in the cafe meeting- technology needs potential for partnering with European SME's

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The **INNOWATER** Partnership and China

1. SME BUSINESS SUPPORT

2. SME INTERNATIONALISATION SUPPORT

3. UNDERSTANDING END USER INNOVATION NEEDS

4. Market Intelligence

Water sector

- Increasing water stress
- Decreasing water quality
- Climate change impacts

Food processing sector

- Increasing water and energy prices
- Demands for increased water use efficiency
- Demands for improved waste water treatment to protect the water quality
- Food safety regulations

Market drivers

Sulphur dioxide emissions reduction	10%	14.29%	8%
Chemical Oxygen Demand (COD) reduction	10%	12.45%	8%
Ammonium nitrate reduction (new)	n/a	n/a	10%
Nitrogen oxide reduction (new)	n/a	n/a	10%
Five heavy metals reduction – lead, mercury, chromium, cadmium and arsenic (new)	n/a	n/a	15% from 2007
Water intensity (water consumed per unit of value-added industrial output) reduction	30%	37%	30%
Non-fossil fuels proportion of primary energy mix	(15% renewable energy by 2020)	8.3%	11.4%

”In China everything is possible
but nothing is easy”

*Hong Jiang- Investment Fund for
Developing Country, China*

- Water use reductions (audits- good housekeeping)
- Reuse of water through (filtration)
- Recycling of used water (waste water treatment and membranefiltration)
- Replacement of water using alternative water source (rainwater, Desalinated water)

Important to maintain food quality and safety

Maintaining food quality and safety

- Water treatment and removal of water safety risks(microorganisms and chemicals)
- Rapid microbial tests
- Food safety risk assessments

- Industrial parks – one water supply system and waste water treatment system
- Industrial symbiosis- waste from one industry can be a resource for another

Cafe meeting

- Present your technology needs to the Innowater team
- Present your idea for partnering for innovations with European SME's to the Innowater team
- Try using some of the Innowater tools (in English only)

Thank you for your attention