



Chinese – EU cooperation on water - Partnerships on Water Challenges

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EUROPEAN COMMISSION



- 1. Water challenges**
- 2. Water as opportunity for growth**
- 3. EU FAC Council Conclusions July 2013**
- 4. European Water Policy - Legal Context**
- 5. China and EU joining efforts**

1. Water challenges

A growing challenge

Water scarcity, inefficient water use and water pollution are a constraint on economic growth

- Urbanisation, industry, energy, agriculture

Scarcity and sustainable management

- Plans risk being derailed by inter-regional disputes. Sound and cooperative governance plays a role

Transboundary water issues and conflicts

- River Basin Commissions, EU Common Implementation Strategy

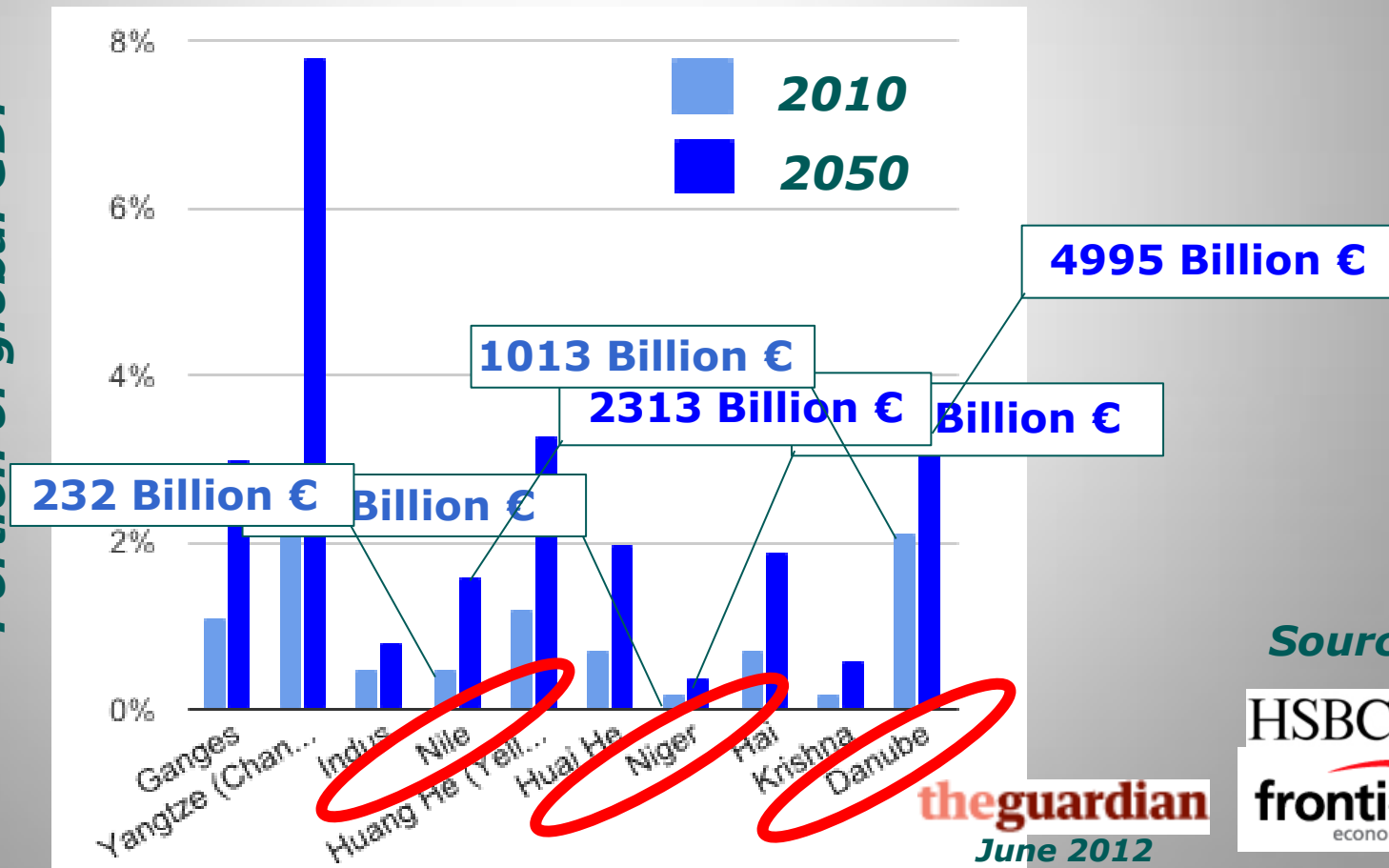
Private sector involvement

- Water pricing, involvement of private sector and stakeholders

2. Water as opportunity for growth

Economic output of the world's ten most populous river basins will exceed that of the USA, Japanese and German economies combined ***but only if water scarcity is addressed***

Portion of global GDP



Sources:

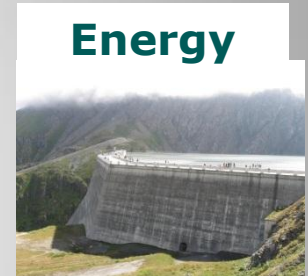
Building synergies within watersheds

- Address the water-intensity of our economies to **close the gap between projected future water demand and current supply**
- Match **availability** and **demand** of water in terms of **competing objectives** of the **different sectors**
- Look at the implications of **water resources allocation** and **water security**

Agriculture



Energy



Environment



Industry



Tourism



Drinking water



3. EU FAC Council Conclusions July 2013

- *The EU has a substantive commitment to address the **root causes of water challenges**, particularly through its work on development and **environment***
- *An **EU policy promoting water co-operation across the world can be built on the long tradition of co-operation and vast experience** and knowledge of the management of transboundary waters in Europe*
- ***Encourages the promotion of international agreements** on water co-operation, the relevant UNECE and UN Conventions*

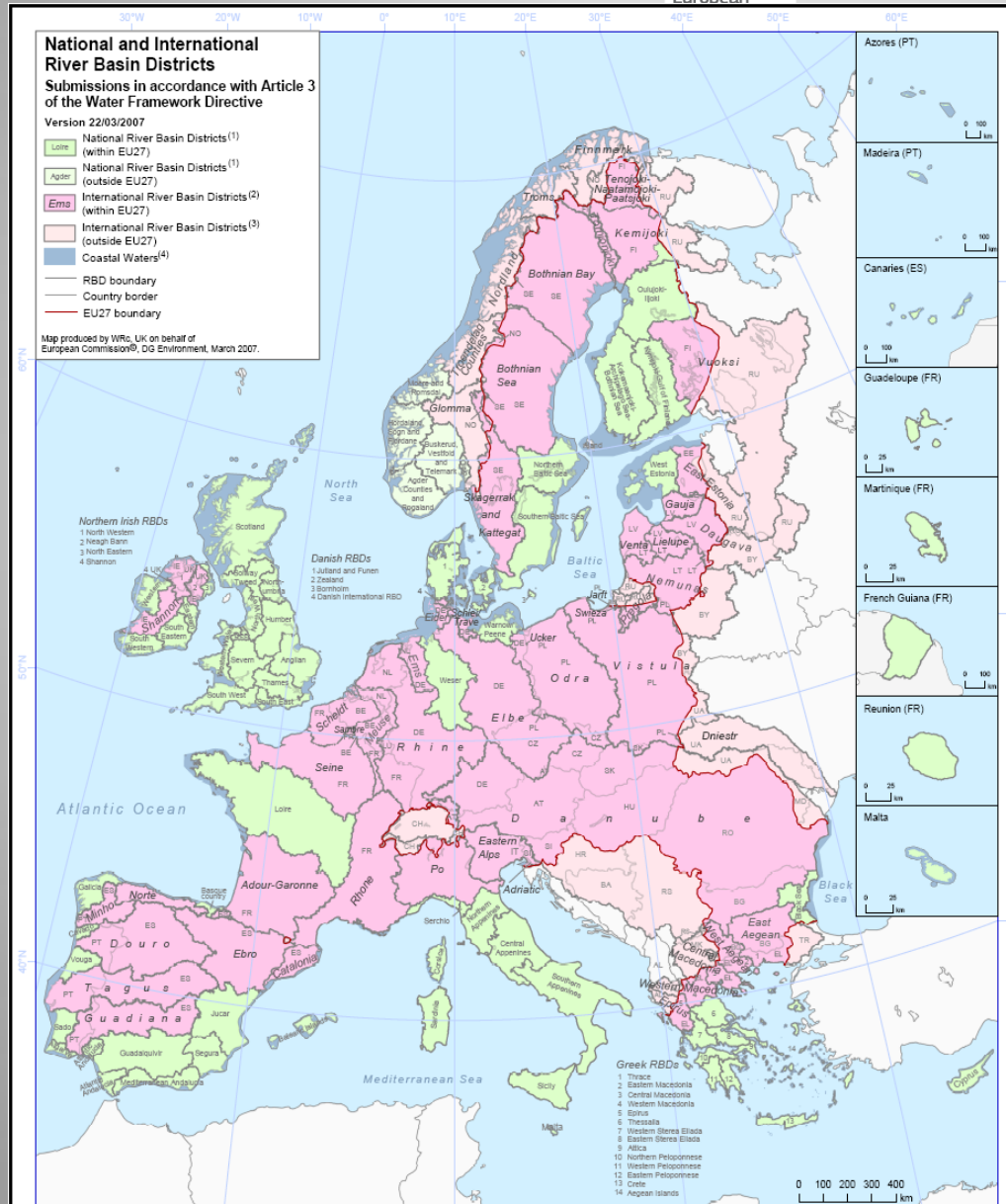


4. European Water Policy - Legal Context

- **Water Framework Directive** (2000/60/EC)
 - Groundwater Directive (2006/118/EC)
 - Priority Substances Directive (2008/105/EC amended in 2013)
- **Extending the scope:**
 - Floods Risk Management Directive (2007/60/EC)
 - Marine Strategy Directive (2008/56/EC)
- *Urban waste water treatment Directive (91/271/EEC)*
- *Nitrates Directive (91/676/EEC)*
- *Drinking water Directive (98/83/EC)*
- *Bathing water Directive*
 - New (2006/7/EC)
 - Old (76/160/EEC)
- *Industrial Emissions, Plant Protection Products, Biocides, REACH, etc.*



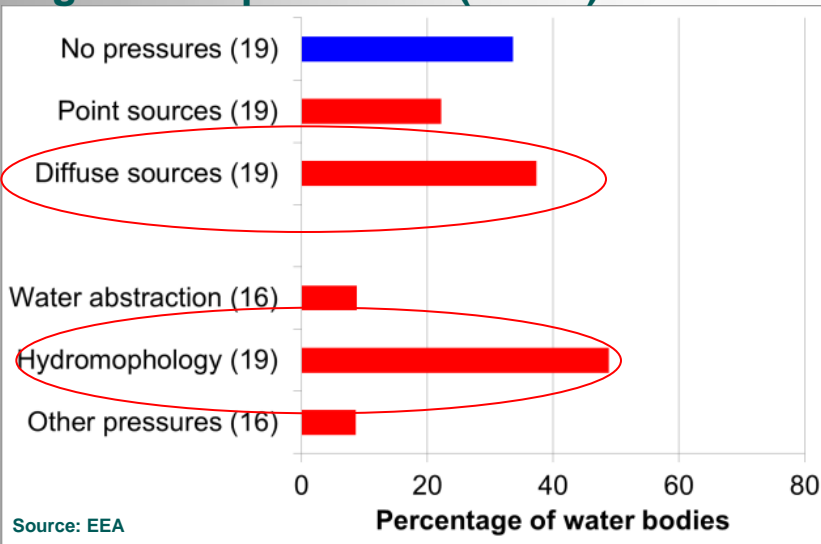
European



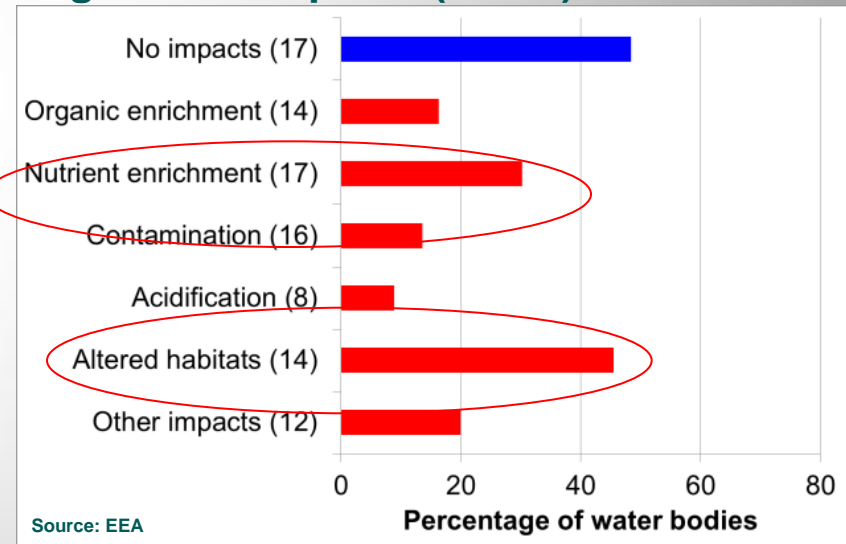
**Diversity
of river
basins
in Europe !**

WFD Implementation: A lot has been achieved, but challenges remain

Significant pressures (rivers)



Significant impacts (rivers)



What does the WFD bring?

- **Improved governance**
 - Working together for sustainable water management
 - Planning process
- **Integrated river basin management**
 - Transparent decision making to balance environmental protection and sustainable development
- **Technical challenges**
 - Comprehensive assessment of water environment and socio-economic needs
- **Programme of measures**
 - Abandoning unsustainable practices and repairing damage
 - Restoration



5. China and EU joining efforts: EU – China Cooperation on Water

CEWP

1. 3 Pillars: Research, Governance and Business
2. Supported by PDSF
3. Represent EU interest
4. Concrete **work program**

Support from EC

1. PDSF
2. EU Horizon 2020 supporting PIANO research project
3. PI Instrument

5. Road ahead of China EU Cooperation on Water

Agreement on a solid EU China Work Program

- Detailed **Work Program**: specifying objectives, implementation, concrete (useful) deliverables, actors involved, financial resources and commitment from the EU and China.
- **Strategic objectives** on the benefit of China and EU
- Involvement **of private sector and stakeholders**
- **Ownership** and **commitment**
- Urbanisation challenges