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Nature-based Solutions for Water Cycle Management in the Greater Mekong Sub-region countries

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Issues

- Increased frequency of extreme floods and droughts
- Disaster risk management and building resilience
 - Connecting gray and green
 - Conservation and expansion of natural ecosystems
- Coordination and collaboration

Human infrastructure

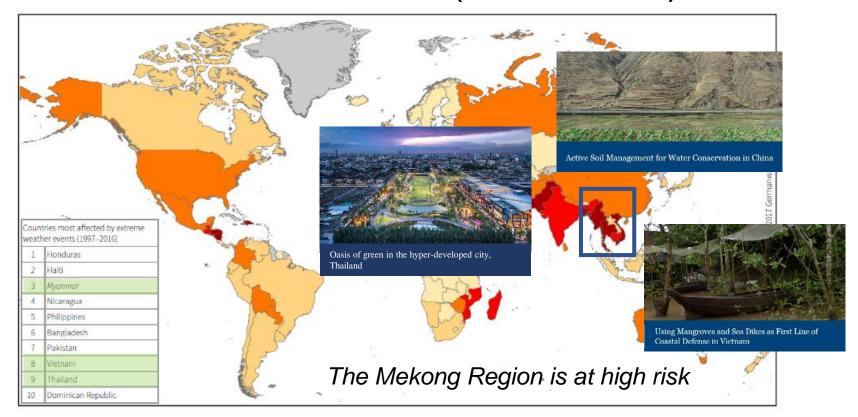
http://www.yunnanadventure.com

Natural infrastructure

Photo copyright: GIZ

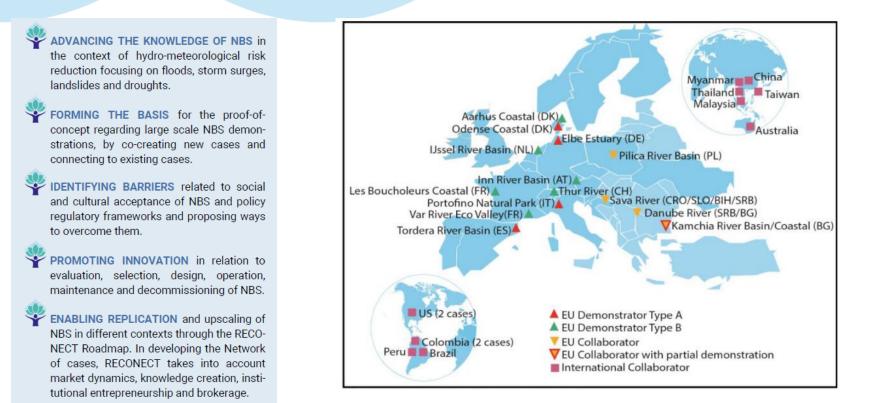
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Climate risk index by extreme weather events (1997-2016)





RECONECT- Regenarating ECOsystems with Naturebased solutions for hydro-meteorological risk rEduCTion





RECONECT

HOLISTIC ECOSYSTEM-BASED FRAMEWORK: We are creating a framework to support co-

creation and collaboration around using NBS effectively for reducing hydro-meteorological risks.

S NETWORK OF CASES ON NBS APPLICATIONS: Our demonstrators and collaborators showcase their 'land use planning' approach linking the reduction of hydro-meteorological risk with local and regional development.

RECONECT SERVICES PLATFORM: Our ICT tool provides real-time information about the performance of NBS and the evidence base to facilitate co-creation and to enable replication and upscaling.

RECONECT ROADMAP: Lessons learned through RECONECT are synthetized in a comprehensive report to the EC to be used as a roadmap for NBS in Europe and beyond.



Elbe Estuary, Germany





Seden Strand, Odense, Denmark



Tordera River Basin, Catalonia



Portofino Natural Park, Italy

Demonstrators Type A: Large scale NBSs to be fully

created and validated



Demonstrators – Type B

Existing NBSs to be monitored, evaluated and validated



Ijssel River Basin, The Netherlands

More information >



Inn River Basin, Austria



Greater Aarhus, Denmark

Thur River Basin, Switzerland

More information >



Var River Basin, France

More information >



Les Boucholeurs, France

More information >



RECONECT

Collaborator cases: perform prefeasibility studies and knowledge sharing activities with a network of European and international collaborators

Climate-resilience water management at community level Chao Phraya River Basin, Thailand





Achievements

- During the Gaemi Typhoon in 2012, this prevented flooding in Bangkok and reserved 17 Million m³ of water for agriculture
- Community's Palm Fund can increase income to THB 656,000/village/year

Source: HAI, Thailand



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Lessons and challenges for NBSs in the Greater Mekong Sub-region

- Fostering integrated, cross-sectoral and stakeholder led approaches
- Addressing biodiversity and social benefits
- NBS is a relatively 'young' concept in this region, still in the process of being framed into national policies city and land use planning
- Lack of operation clarity, technology and knowledge
- Upscaling the concept

Thank you

Contact

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