

CHINA EUROPE

Water Platform

Focus Area - Water and Energy Security

PI Lot 4 - Sustainable Hydropower Use and
Integration in China and EU (SHUI-ChE)

Activity report
Budapest, April 2019



PI Lot 4 SHUI-ChE project - Background

Launched in January 2018 for a four-years period

Objective: To enhance co-generation, exchange and application of knowledge on sustainable hydropower between EU and China

Sustainable hydropower in two dimensions:

Green: to reduce hydropower's environmental impact and improve their efficiency

Blue: to enhance hydropower's role in regional energy cooperation (Water-energy dialogue), and transition towards more sustainable energy system

How? 1. Exchange of experiences and best practices; 2. Establishment of cross-sectoral water-energy network; 3. Joint development and dissemination of policy recommendations.

PI Lot 4 SHUI-ChE project - Partners

- **Swedish Agency for Marine and Water Management (SwAM)**
- Federal Ministry of sustainability and tourism (BMNT), Austria
- University of Florence (UNIFI), Italy
- Stockholm Environment Institute (SEI)
- University of Natural Resources and Life Sciences Vienna (BOKU)

- **Nanjing Hydraulic Research Institute (NHRI)**
- International Center on Small Hydro Power (ICSHP)
- Hangzhou Regional Center for Small Hydro Power (HRC)
- State Grid/China Electric Power Research Institute
- Energy Research Institute under Chinese NDRC
- Changjiang River Scientific Research Institute (CRSRI)

PI Lot 4 SHUI-ChE project - Activities 2018

1. Field visit in the demonstration area of Pan Xi River
2. Technical workshop on environmental impact mitigation and upgrading of small hydropower
3. Concept note on supporting implementation of green hydropower standards
4. Technical study on renewable energy production scenarios in China
5. Policy report on development of pumped storage hydropower and renewable curtailment challenge in China
6. Assessment of the best available technology for Pumped Hydro Storage in China
7. Launch of the The EU-China Sustainable Hydropower Innovation Network (SwAM and NHRI)

PI Lot 4 SHUI-ChE project - Activities 2019

1. 7-8 May, International symposium on Greening and Upgrading Small Hydropower for Eco-environment Restoration (70-80, Li Shui, China)
2. 1-6 July, Field trip in Austria and Italy focusing on green hydropower standards, balancing energy and environmental interests, environmental mitigation measures and innovative solutions for pumped storage plants (15-20)
3. 29 August, workshop "Rethinking hydropower in nexus and flexibility: Learning from EU-China cooperation" in Stockholm (WWW)
4. 26-30 August, field trip in Sweden focusing on balancing energy and environmental interests and environmental mitigation measures (30)

Thanks!