

First Sino-European workshop on the understanding of interfaces in rechargeable batteries

RTD-MoST Networking Workshop on Energy Storage (Battery Interfaces)

Concept Notes and Information

1. Background – the Joint Statement

In December 2010 a Joint Statement was signed between the European Commission's Directorate-General for Research and Innovation (RTD) and the Chinese Ministry of Science and Technology (MOST) to boost research cooperation on renewable and energy efficient technologies, with special focus on participation of SMEs where appropriate. At a later stage Energy Storage – in particular battery interfaces – was identified as a first area of common interest.

2. The approach

It was agreed to implement the Joint Statement mainly via networking workshops. These are networking events involving at least one project on each side, supported by the respective European and Chinese funding agencies. The aim of the workshops is to establish contacts and to exchange information about the respective activities between project consortia in the terms and extent they themselves define. This may possibly lead to broader cooperation between the consortia if they so wish, e.g. through a project twinning or any other modality as adequate.

3. Workshop information

Dates of the first networking workshop: May 20-21, 2014, 2-day workshop

Venue of the first workshop: Tianjin, China (due to logistic reasons from the Chinese side)

Objective

To learn more on the partners of the participating projects

To establish personal contacts between projects partners on both sides

To identify issues of common interest for possible cooperation

To agree on the following stages of EU-China knowledge exchange

Draft Programme of the two-day workshop

Day 1 (morning and afternoon) – Introduction (MoST and EC), presentation by EU and Chinese projects about the respective activities and possible suggestion of joint activities

Day 2 (morning) – site/labs visit

Day 2 (afternoon) – exchange of views, conclusions, next steps

4. Participants invited to the workshop

EU projects

Hi-C – Novel in situ and in operando techniques for characterization of interfaces in electrochemical storage systems

SIRBATT – Stable Interfaces for Rechargeable Batteries

BACCARA – Battery and super-capacitor characterization and testing

INFLUENCE – Interfaces of Fluid Electrodes : new conceptual explorations

MoST projects

Project 1 – Lithium ion secondary battery interface characteristics

Project 2 – High Capacity polyaniline / carbon composite electrode material development

Additional projects / researchers [TO BE COMMONLY AGREED]