

The ENEA logo features the word "ENEA" in a bold, white, sans-serif font. To the left of the text is a stylized graphic of a sun or starburst with rays emanating from it, set against a dark blue background with a grid pattern.

AGENZIA NAZIONALE
PER LE NUOVE TECNOLOGIE, L'ENERGIA
E LO SVILUPPO ECONOMICO SOSTENIBILE

Status Task 21

Li ageing Accelerated Testing Procedures

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Unit "Advanced Technologies for Energy and Industry"

Coordination of Energy Storage Systems

Executive Committee Meeting

Gwangju, South Korea

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Creation of an international technical information exchange platform (procedures, data not classified and, also, eventually researchers for round robin work)

- Europe
- North America (U.S., Canada)
- Far East (Japan, Korea, China)

Development of specific accelerated test procedures covering current and near term Li compositions, with electric and thermal characterization

Creation and use of a dedicated database to be applied to present or under development Li cells to favor accelerated life information and testing methods, possibly based on already funded projects by EC, DOE and other public bodies

Assist battery developers and car makers with independent expertise to have a snapshot on estimated life performances at an acceptable cost

Support with experimental results the **development of Li batteries standards**

Share with all the interested parties in **a dedicated final workshop** the main results of the Annex

- ✓ Delayed start of the Task required a revision with possible enlargement to other Li-ion systems
 - *Three proposals for granting to the European Union Horizon 2020 Work Programmes Calls have been applied until end of March 2015*
 - ~~HighLi (High Voltage High-Voltage Li-polymer batteries: Manufacturing of new generation safe EV energy storage systems~~ **NOT GRANTED**
 - ~~EESTESIA European Electrochemical Storage Testing and Simulation Integrating Activity~~ **NOT GRANTED**
 - *e-POME: Polymeric nanoPorous Membranes for Energy Applications*

- ✓ Task 21 work plan will be revised according to the results of such fund-raising and market activities with the following additional ideas:
 1. *Extension to other Li chemistries*
 2. *Possible extension to supercapacitor to be evaluated*
 3. *More detailed description of activities after the first year*

- 1. *Revision of Work plan (foreseen June-July 2015) based on the results of the evaluation of the proposals in EU Calls***
- 2. *Update of Work Plan,***
- 3. *Circulate among EXCO Members for additional participation***

There is an organizational revision at ENEA with some impact on my future activities.

- 1. I should remain Member of the EXCO to represent Italy*
- 2. However I should reduce my direct research activities, including some operative role, such as the OA of a research Task*
- 3. The process will be completed by June-July.*
 - ❖ Meanwhile I will verify the interest to be Task 21 OA among current participants or, as a second choice, look for new entry to improve participations*



Thank you for your attention !!!

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