



# BIG-MAP

## Stakeholder Initiatives

### Call for BIG-MAP Stakeholder Initiatives

The Battery Interface Genome - Materials Acceleration Platform (BIG-MAP) is the largest of the seven H2020 projects constituting the large scale and long term European research initiative BATTERY 2030+ ([www.battery2030.eu](http://www.battery2030.eu)). BIG-MAP constitutes a joint effort of 34 European partners spanning academia, research organizations and industry ([www.big-map.eu](http://www.big-map.eu)) to create a paradigm shift in battery innovation, which will lead to a dramatic acceleration of the battery discovery process, achieving a 5-10-fold increase relative to the current rate of discovery within the next 5-10 years. BIG-MAP relies on the development of a unique R&D infrastructure and accelerated methodology that unites and integrates insights from leading experts, competences and data throughout the battery (discovery) value chain with Artificial Intelligence (AI), high-performance computing (HPC), large-scale and high-throughput characterization and autonomous synthesis robotics. In short, BIG-MAP aims to reinvent the way we invent batteries and to develop core modules and key demonstrators of a Materials Acceleration Platform specifically designed for the accelerated discovery of battery materials and interfaces.

To strengthen the integration of the BIG-MAP infrastructure with leading external stakeholders, widely used soft- and hardware infrastructure and equipment, etc., in the battery community, BIG-MAP launches a call for so-called Stakeholder Initiatives (SI). The SI projects are smaller, focused collaborative projects between one or more external stakeholders and one or more BIG-MAP partners targeting the integration of the BIG-MAP infrastructure in the European value chain for battery discovery and development.

#### Call conditions

The proposed projects should develop software tools, techniques, equipment or approaches that further strengthen the BIG-MAP infrastructure and must be made openly available to the battery community, e.g., in the BIG-MAP AppStore.

- **Topics:** The first round of proposals should be in one of the following areas:
  - 1) Develop APIs or interfaces between the BIG-MAP infrastructure and one of the LC-BAT-13/14/15-2020 projects
  - 2) Development of APIs/interfaces to software, techniques or equipment widely used in the battery community
  - 3) Development of apps for autonomous analysis of BIG-MAP data
  - 4) Apply the BIG-MAP infrastructure to further the develop of novel battery chemistries
- **Partners:** The project must include a minimum of 1 BIG-MAP partner and 1 external stakeholder.
- **Budget:** Expectedly around €50.000 for the BIG-MAP partner(s) and €50.000 for the external stakeholder(s). A maximum of 5 SI grants will be awarded in this round.
- **Duration:** 1-2 years, with an end date no later than July 1<sup>st</sup>, 2023.
- **Length:** 3 pages max plus the CV of the main PI from the BIG-MAP partner(s) and the main PI from the stakeholder(s).
- **Submission:** The proposals (max 20 Mb) must be submitted to [BIG-MAP@dtu.dk](mailto:BIG-MAP@dtu.dk) by **Wednesday, April 7, 2021** to be eligible. Decisions of the allocation of funding are expected ultimo May, 2021.

#### Assessment procedure and criteria

The proposals will be evaluated by three independent experts and the Executive Board according to their:

- Value to BATTERY 2030+ and the European battery community
- Novelty and impact of the proposed idea or approach
- The competences of the PIs
- The feasibility of the project

