# BIG-MAP

## Stakeholder Initiatives

## Second 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). BIG-MAP constitutes a joint effort of 34 European partners spanning academia, research organizations and industry (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 its second call for 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 App Store.

**Topics**: The second round of proposals should be in one of the following areas (resubmissions from are possible):
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 €25.000-37.500 in total for the BIG-MAP partner(s) and €25.000-37.500 in total for the external stakeholder(s). A maximum of 4-5 SI grants will be awarded in this round.

**Duration**: 1 year, with an end date no later than July 1$^{st}$, 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 by **Wednesday, February 23, 2022** to be eligible. Decisions of the allocation of funding are expected ultimo May, 2022.

## Assessment procedure and criteria
The proposals will be evaluated by independent experts and the Executive Board according to their:

Value to BATTERY 2030+ and the European battery community (weigth 30%)
Novelty and impact of the proposed idea or approach (weight 30%)
The competences of the PIs (weight 20%)
The feasibility of the project (weight 20%)