

# Fund Lomake

## CALL FOR RESEARCH PROJECTS 2023

The Lomake Fund was created to support fundamental research in the field of climate related technologies.

The Fund is managed by the King Baudouin Foundation with the help of a Steering Committee composed of former executives in the field of technology and batteries as well as internationally renowned chemists.

The Fund is launching a first **call for fundamental research projects**, stages 1 and 2, focusing on batteries with a particular focus on new phenomenon for storing and releasing mass quantities of clean energy produced from renewable sources to make such renewable energy as on demand as a natural gas powered energy plant is.

### Subject of this call

This first call for research projects launched by the Lomake Fund focuses on innovative research on organic / inorganic battery technologies which solve several problems of the current Li-ion technology, specifically dependance on rare metals, recyclability, capacity / volume and voltage.

Through this call, the Fund aims to support a research team or a consortium of research centers in Europe or North America with a breakthrough approach enabling a potential quantum leap in batteries.

### Selection criteria

- Design of the study, including a timeline
- Feasibility of the proposed study, including feasibility to complete the study within the proposed timing.
- Innovative approaches
- Quantum leap potential vs incremental gains to current state of technology.
- Track record and career potential of project leader (CV and publications, international recognition, main research achievements...)
- Potential of the research team & collaborating teams: scientific environment, competence, experience, added-value from the collaboration.
- Adequacy of the budget

### Measurable targets

The project should be able to demonstrate the potential to reach the following targets:

1. A battery that enables 10x the storage of a Li-Ion battery for the same volume
2. Use of commonly available materials, ideally potentially organic ones
3. At least 5000 charge / discharge cycles

# Fund Lomake

4. Charging time must be 50% faster than an equivalent Li-Ion battery
5. A recycling analyses of at least 90% of the materials used must be provided

Potential industrial roll out of the technology is a key objective of the fund as only such a roll out will have an impact on climate change. As such, a clear description of the technical requirements for such a roll out will be asked as a deliverable as well.

## Intellectual Property

Need a clear description of the intellectual property structure of the project with a preference for partial or full ownership of it by the research team itself.

## Consortium

An application can be filed by a single research institution or team or by a consortium of institutions/teams. If the application is submitted by a consortium, the consortium will appoint a supervisor who is responsible for the proper execution of the project. The supervisor acts as representative and spokesperson of the consortium vis-à-vis the Fund and ensures the coordination of the activities of the allocated project support and the reporting on the project. If several institutions / teams are involved in the project, and if the project is approved, all centers shall conclude a mutual agreement governing the practical cooperation, as well as mutual agreements concerning the ownership and valorization of the research results

## Grant

Amount, duration, and allocation

- The grant amounts to 1.000.000 € (250.000 € per year over 4 years) and milestones in the project will be agreed upon between the Fund and the research supervisor for each year to release the next funding phase. The project supervisor is also requested to submit a final report at the end of the project.
- Eligible expenses encompass personnel costs, running costs and equipment.

## Procedure

If you are interested, please submit an online application via the website of the King Baudouin Foundation [www.kbs-frb.be](http://www.kbs-frb.be). Applications should be submitted in English by 13rd June 2023 at midnight at the latest. Candidates will receive an acknowledgement of receipt.

## Selection

The selection process will be carried out in accordance with the highest standards of quality, impartiality, and transparency.

The decision will be published at the latest in September 2023.



managed by the King Baudouin Foundation  
Public benefit foundation  
RUE BREDERODESTRAAT 21 - 1000 BRUSSELS  
TEL +32-2-511 18 40 KBS-FRB.BE INFO@KBS-FRB.BE

# Fund Lomake

## Contact

📧 For technical assistance during the application process:

Contact center – Tel +32-(0)2 500 45 55 – [info@kbs-frb.be](mailto:info@kbs-frb.be)

📧 For information regarding the call:

Loesje Vanwalleghem – Tel +32-(0)2-549 61 57 – [vanwalleghem.l@mandate.kbs-frb.be](mailto:vanwalleghem.l@mandate.kbs-frb.be)

## King Baudouin Foundation

**Working together for a better society**

The King Baudouin Foundation's mission is to contribute to a better society.

The Foundation is an actor for change and innovation, serving the public interest and increasing social cohesion in Belgium and Europe. We seek to maximize our impact by strengthening the capacity of organizations and individuals. We also stimulate effective philanthropy by individuals and corporations.

The Foundation's key values are integrity, transparency, pluralism, independence, respect for diversity, and promoting solidarity.

The Foundation's current areas of activity are poverty and social justice, philanthropy, health, civic engagement, developing talents, democracy, European engagement, heritage, development cooperation and sustainable development.

The Foundation was set up in 1976 on the occasion of the 25th anniversary of King Baudouin's reign.

**With thanks to the Belgian National Lottery and its players, and to our many donors for their valued support.**

[kbs-frb.be](http://kbs-frb.be) Subscribe to our e-news

Follow us on [Facebook](#) | [Twitter](#) | [YouTube](#) | [LinkedIn](#) | [Instagram](#) (*icons*)

King Baudouin Foundation, public benefit foundation

Rue Brederodestraat 21 B-1000 Brussels [info@kbs-frb.be](mailto:info@kbs-frb.be) +32-2-500 45 55

Donations of 40 euros or more made to our account: IBAN: BE10 0000 0000 0404 – BIC: BPOTBEB1 give rise to a tax reduction of 45% on the amount actually paid.



managed by the King Baudouin Foundation

Public benefit foundation  
RUE BREDERODESTRAAT 21 - 1000 BRUSSELS  
TEL +32-2-511 18 40 KBS-FRB.BE INFO@KBS-FRB.BE