

EU Funding Opportunities for Energy Storage

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Energy storage and management solutions

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Introduction to EASE

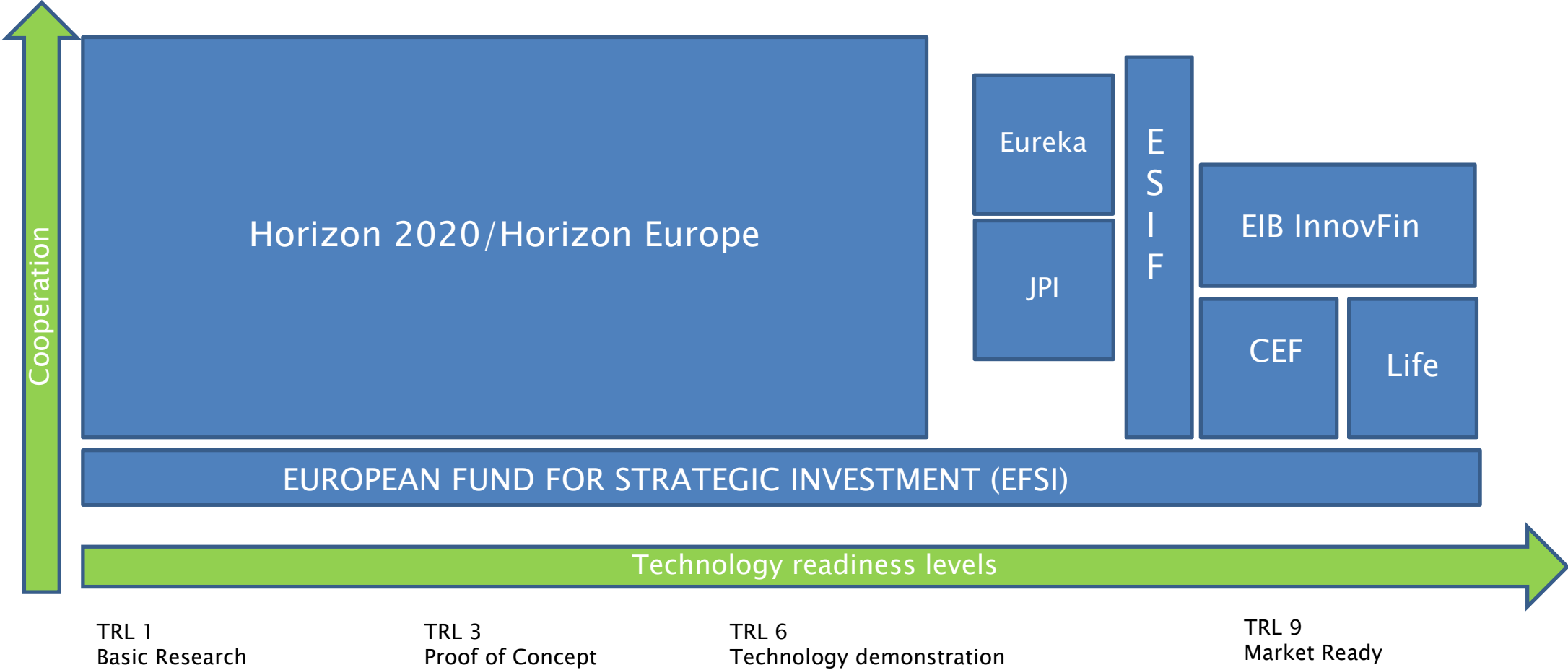
EASE activities & members

- ❖ EASE is the leading member-led association representing the energy storage industry in Brussels – the heart of the European Union
- ❖ EASE’s mission is to support the development & deployment of all energy storage technologies by:
 - ✓ Raising awareness about the benefits of energy storage and its crucial role in supporting the energy transition
 - ✓ Promoting a fair and future oriented energy market design
 - ✓ Serving as a platform for information-sharing and debate on different technologies, applications, and business cases



Funding Opportunities

European programmes for energy innovation – many possibilities...



Funding Opportunities

Horizon 2020/Horizon Europe

- ❖ *Focus:* Funding instrument for research and innovation
- ❖ *Managing body:* INEA (European Commission)
- ❖ *Type of beneficiaries:* on paper Micro to SMEs, *de facto* also larger companies
- ❖ *Budget:* EUR 80 billion (2014–2020) – EUR 6 billion for energy research; 100 billion (2021–2027)
- ❖ *Type of funding:* Reimbursement of actual costs
- ❖ *Others:* Biggest and key EU R&I programme



Funding Opportunities

CONNECTING EUROPE FACILITY (CEF)

- ❖ *Focus:* Infrastructure investment at European level
- ❖ *Managing body:* INEA (European Commission)
- ❖ *Type of beneficiaries:* Private sector entities; public sector entities; banks, national promotional banks or other financial institutions; funds and any other form of collective investment
- ❖ *Budget:* EUR 5.85 for energy project (2014–2020)
- ❖ *Type of financing:* Reimbursement of costs actually incurred
- ❖ *% of financing:* min 50% max 75%



Funding Opportunities

LIFE

- ❖ *Focus:* Environment and climate action
- ❖ *Managing body:* European Commission
- ❖ *Type of beneficiaries:* Anyone registered in the EU
- ❖ *Budget:* EUR 3.4 billion (2014–2020; total)
- ❖ *Type of financing:* Reimbursement of actual costs
- ❖ *% of financing:* 55% (up to 75% in specific cases)
- ❖ *Others:* Only limited research activities funded, funding for research activities is provided through H2020



Funding Opportunities

Innovation Fund

- ❖ *Focus*: Next generation technologies for EU's low carbon transition
- ❖ *Managing body*: European Commission
- ❖ *Type of beneficiaries*: Requirements will be unveiled in 2020
- ❖ *Budget*: EUR 10 billion (variable on carbon price as it is funded by EU ETS)
- ❖ *Type of financing*: Reimbursement of actual costs
- ❖ *% of financing*: up to 60% of capital/operational costs, depending on TRL of project
- ❖ *Others*: First call in 2020; predecessor was **NER300** (discontinued)

INNOVATION FUND

Driving clean innovative technologies towards the market

Funding Opportunities

EUROPEAN FUND FOR STRATEGIC INVESTMENT (EFSI)

- ❖ *Focus*: Strategic investments
- ❖ *Managing body*: Joint initiative between the EIB Group and the Commission
- ❖ *Budget*: EUR 21 billion
- ❖ *Type of funding*: Loan
- ❖ *Type of beneficiaries*: Private sector entities; public sector entities; large-medium size companies
- ❖ *Others*: For projects everywhere in the EU – with relatively high risk profile; **mature enough to be bankable**



Funding Opportunities

INNOVFIN Energy Demo Projects

- ❖ *Focus*: Energy transition, a.o. renewables, smart energy systems, energy storage
- ❖ *Managing body*: European Investment Bank (with assistance from EC)
- ❖ *Budget*: EUR 50 million (2020)
- ❖ *Type of funding*: Loans (up to 50%)
- ❖ *Type of beneficiaries*: Innovative companies, research institutions/organisations
- ❖ *Others*: Mainly TRL 7–8



InnovFin

Other Funding Programmes

- ❖ **Cohesion Fund** – EUR 63 billion for MS whose GNI/inhabitant is less than 90 % of the EU average. MS and regions manage the programme
- ❖ **European Regional Development Fund** – EUR 199 billion, managed by regional authorities. Eligibility criteria vary

*European Structural
and Investment funds
(ESIF)*

And let's not forget:

- ✓ *Euratom, Research Fund for Coal and Steel* (by the EU)
- ✓ *Eurogia 2020, Eureka, JPI Climate, ERANETS, InnoEnergy* (European level, non-EU)

And Just Transition fund in the near future?

ETIPs – European Technology and Innovation Platforms

Stakeholder fora supported by the European Commission

[ETIP Bioenergy](#)

[ETIP Batteries](#)

[ETIP Wind](#)

[ETIP Deep Geothermal](#)

[ETIP Ocean Energy](#)

[ETIP Photovoltaic \(PV\)](#)

[ETIP Renewable Heating and Cooling](#)

[ETIP Smart Networks for Energy Transition](#)

[ETIP Sustainable Nuclear Energy \(SNETP\)](#)

[ETIP Zero Emission Fossil Fuel Power \(ZEP\)](#)



BATTERIES
EUROPE

European Technology and Innovation Platform

EASE is one of the four coordinators behind ETIP Batteries

Want to know more?

The Smartspend project aims to improve public funding opportunities



- ❖ EASE is in the H2020 Smartspend Consortium, which has mapped all funding instruments for energy innovation
- ❖ A report will be published soon, highlighting:
 - ❖ Private fundings
 - ❖ Public fundings
 - ❖ Transnational (a.o. EU-level)
 - ❖ National
 - ❖ Regional

<http://smartspend.eu/>

<http://ease-storage.eu/smartspend/>



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