



Smart
Energy
Systems
ERA-Net

Webinar on Joint Call 2019

November 26, 2019, 13-14h CEST

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**MISSION
INNOVATION**
accelerating the clean energy revolution



Smart
Energy
Systems
ERA-Net

- Overview Joint Call 2019 on energy storage solutions (“MICall19”)
- Outcome registration of interest and next steps
- Project requirements for full proposal
- Knowledge Community & Associated Partners
- Networking & Transnational Cooperation Support
- Q&A

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Smart
Energy
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2019 Joint Call on Energy Storage Solutions ("Mlcall19")

Joint Call 2019 on Energy Storage Solutions

- **Deadlines:** expression of interest 14:00 CET, November 12, 2019
proposal submission 14:00 CET, January 22, 2020
- **Compulsory advisory period:** September 18, 2019 – January 22, 2020
- **Call budget:** **>22 MEUR**
- **Funders:** JPP SES and Joint Call 2019 Funding Partners
- **Transnational projects** Each project must include partners from minimum 2 countries/regions participating in the call.

www.eranet-ses.eu/JointCall19



Registrations of Interest - outcome

Country/region	Sum of Requested national/regional funding	Sum of Eligible costs	National/regional funding	Project involvements
Austria	€ 10 710 720	€ 15 707 500	€ 2 900 000	26
Belgium - Flanders	€ 2 446 500	€ 3 881 000	€ 1 000 000	10
Belgium - Wallonia	€ 2 129 500	€ 3 837 500	€ 500 000	9
Denmark	€ 17 199 035	€ 24 023 630	€ 3 000 000	29
Finland	€ 6 450 000	€ 9 800 000	€ 3 000 000	8
Germany	€ 25 135 591	€ 33 284 295	€ 2 000 000	42
India	€ 49 502 700	€ 37 959 206	€ 2 000 000	48
Israel	€ 2 105 000	€ 3 300 000	€ 600 000	8
Italy	€ 1 763 740	€ 4 280 633	€ 600 000	18
Morocco	€ 100 000	€ -	€ -	1
Nordic and Baltic region	€ 3 860 000	€ 5 462 000	€ 600 000	23
Poland	€ 2 437 000	€ 3 580 551	€ 600 000	6
Romania	€ 3 070 000	€ 3 612 001	€ 500 000	19
Scotland	€ 5 887 500	€ 9 515 000	€ 2 000 000	14
Sweden	€ 16 765 263	€ 30 162 533	€ 2 000 000	33
Switzerland	€ 6 427 487	€ 13 726 141	€ 500 000	23
Turkey	€ 6 528 293	€ 7 931 955	€ 750 000	24
Grand total	€ 167 250 829	€ 216 138 945	€ 22 550 000	

The next step

- Registration of Interest is mandatory for submitting full project proposal
- No new consortia, but possible for partners to connect to existing consortia
 - Use [Matchmaking platform](#) or contact your national/regional funding agency for assistance
- Advisory period – contact your national/regional funding agency to clear any issues
 - National/regional processes will vary
- Deadline 22 January 2020, 14:00 CET
 - Submit your proposal in time – no late applications accepted

Application format - FAQ and general guidelines

- Participant Identification Code (PIC)
 - A 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes.
 - Does your organisation have a PIC? Search for registered organisations in the [EC Participant Portal](#)
 - If not, please register your organisation
- Do not make changes to Excel budget sheets
 - Form is processed manually, changing the format may cause errors

Joint Call 2019 on Energy Storage Solutions

This call will support Research, Development and Demo Projects within areas such as:

- Electrical Storage
- Electrochemical Storage
- Thermal Storage
- Mechanical Storage
- Material Storage

Requirements

- Transnational (at least two independent, active* partners from two different countries)
- Expected TRL 5-8 (lower TRLs may be included)
- Develop clearly defined integrated storage solution
- Replicable and Transferable
- Diversity
- Show critical mass
- National Criteria

*Active partners are partners applying for funds

Challenges where different types of partners from different parts of society should collaborate to offer solutions to existing energy systems. Examples are, but not limited to:

- balancing output from community scale renewables projects (wind, solar, marine, geothermal) with community scale storage (e.g. batteries, hydrogen, small pumped hydro) ?
- using vehicle to grid technology to create a virtual large-scale storage service at district level which could offer a service to grid operators
- integrating thermal storage into individual buildings or district heating systems as a means of absorbing excess renewables on the grid or even a means of seasonal storage of energy at large scale
- Materials and systems engineering research to resolve key technology cost and performance challenges of known and emerging storage technologies. In particular, proposals should aim at new storage technologies with a significant improvement on the reduction of capital cost, increasing system efficiency and extension of life cycle over the state of art performance.
- 'First of a Kind' innovative storage systems



ERA-Net SES – Three Layer Model



Stakeholders / Adoption – *overcoming: why do or don't we do it?*

(innovation and transition processes with stakeholders, consumer acceptance, education, policy, retail, community and society, social research, etc.)

Goods and Services – *structuring: how do we organize it?*

(business models, regulatory framework, market design with new goods and services, economic research etc.)

Technology – *enabling: which technology do we need?*

(incl.: how can we make technologies from other sector available for the energy system? -telecommunications, machine learning, cross energy carrier solutions, grid automation, technological research etc.)

The evaluation and eligibility process comprises three steps:

1. National/regional eligibility check

The projects will be considered on a national/regional basis, governed by national/regional funding agency regulations and relevance.

2. Transnational evaluation of the project proposals

In the evaluation phase a panel of at least three independent experts will evaluate each project proposal. The independent expert panel will evaluate the proposals based on three main criteria:

- a) Excellence
- b) Impact
- c) Quality and efficiency of the implementation

3. **Funding partners selection and outcome**

The final step of the evaluation process is a joint meeting of the funding partners consortium to select projects for funding according to the ranked list from the independent experts. The outcome will be reported to the applicants in May 2020.



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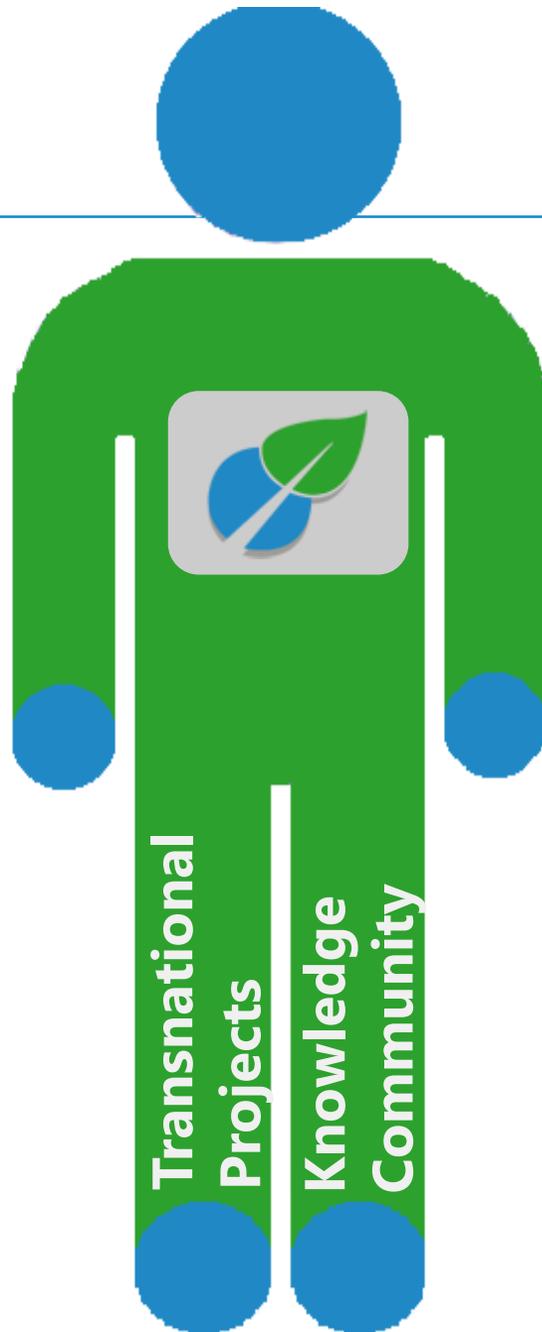


Knowledge Community and Associated Partners

ERA-Net SES universe – the holistic approach



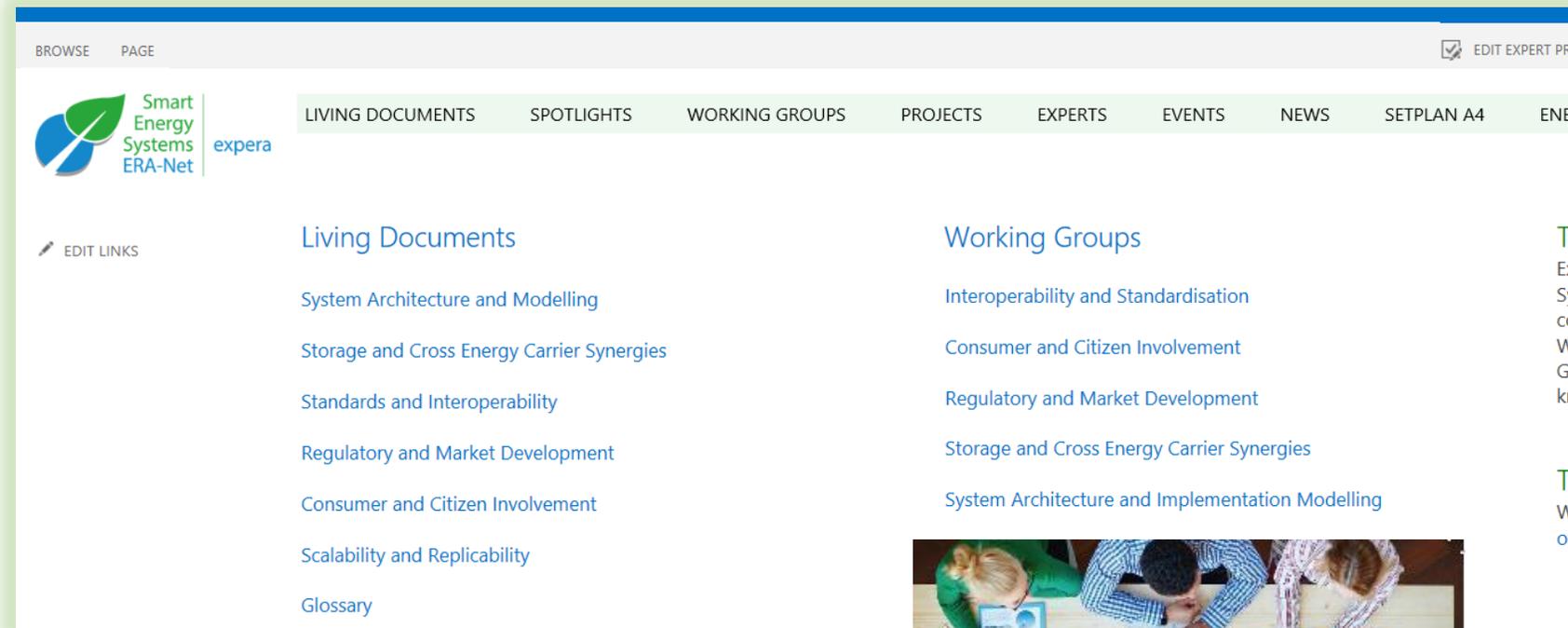
Walking on two legs



- Transnational Projects
 - national funding with EU top-up funds
 - selected in ERA-Net SES Calls
 - communication and evaluation by Support Team
- Knowledge Community
 - from and for the ERA-Net SES projects
 - national and international experts
 - unique networking and knowledge base

Members

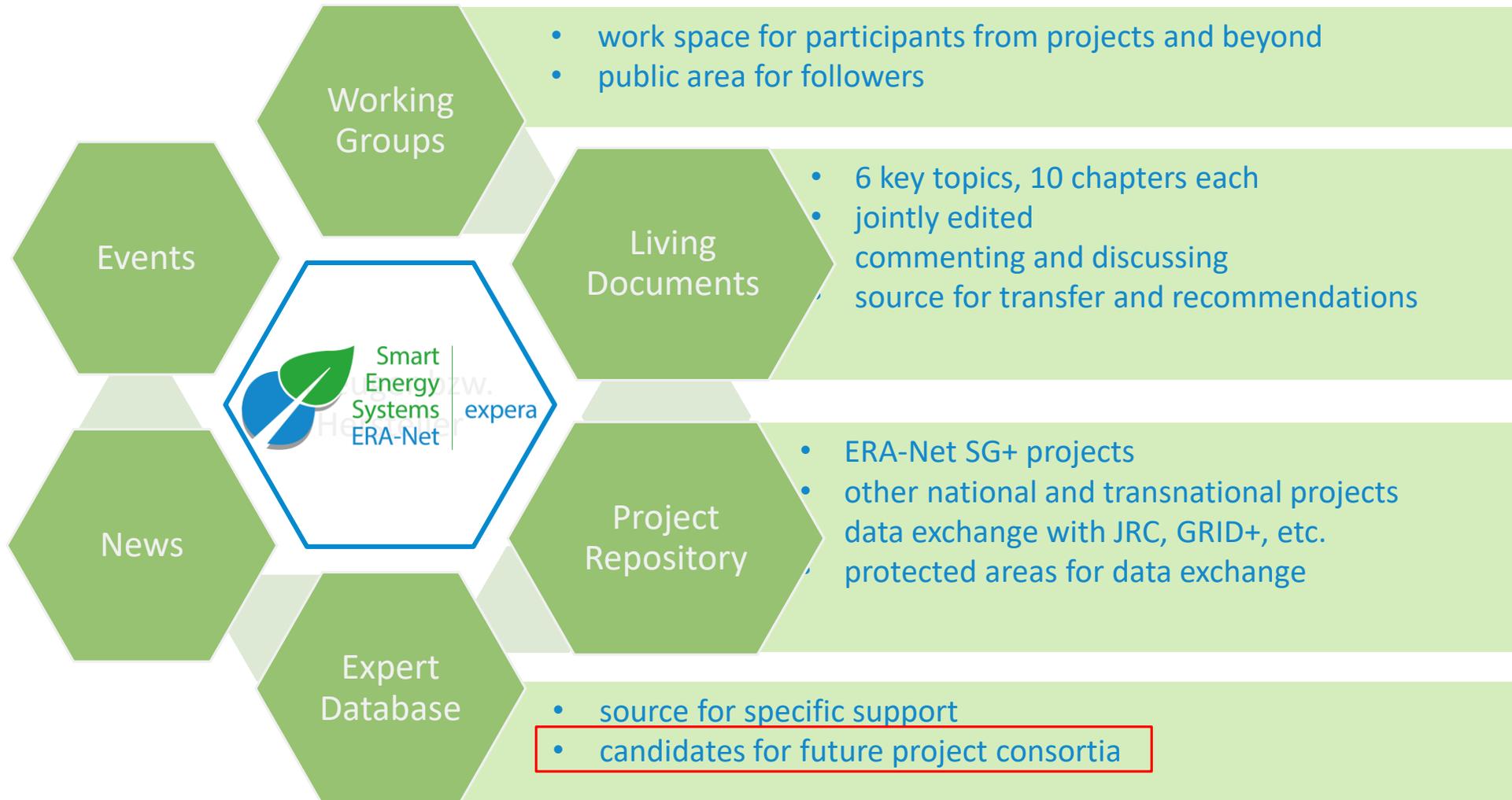
- ERA-Net SES projects
- (Trans-)National key projects
- International RDD projects
- Smart Grids practitioners
- Agenda setters and policy makers



www.smartgridsplus.eu



„one-stop shopping“: the Knowledge Sharing Platform



expera – expert search function

Smart Energy Systems ERA-Net | expera

LIVING DOCUMENTS SPOTLIGHTS WORKING GROUPS PROJECTS **EXPERTS** EVENTS NEWS SETPLAN A4 ENERGIE & IKT MANAGEMENT EXCHANGE

EDIT LINKS

Living Documents

- System Architecture and Mod...
- Storage and Cross Energy Car...
- Standards and Interoperability
- Regulatory and Market Develop...
- Consumer and Citizen Involvement
- Scalability and Replicability
- Glossary

News

- ERA-Net Smart Grids Plus at the European Utility Week 2017 in Amsterdam
- ERA-Net Smart Grids Plus in Bucharest, Romania
- The ERA-Net SG+ family of projects met at the kick-off event and the Working Group meeting in Split
- 2nd ERA-Net SG+ Joint Call & expera successfully launched in Stockholm
- Go, expera, go!

1 - 5 ▶

EXPERTS

DOCUMENTS SPOTLIGHTS WORKING GROUPS PROJECTS **EXPERTS** EVENTS NEWS SETPLAN A4 ENERGIE & IKT MANAGEMENT EXCHANGE

Search...

The Knowledge Community Platform

Expera, the cooperation platform of the ERA-NET Smart Energy Systems, allows for intensive communication between and cooperation of registered members of the Knowledge Community. With its Living Documents, Spotlights and access to Working Groups it is a unique opportunity for experts to exchange their knowhow, opinions and expectations.

Terms of Use

When using the expera platform you have agreed to the conditions of use.

Expert search

regional 🔍

Preference for results in German ▾

- Karg**
such as Smart Energy solutions, sustainable regional development, the role of ICT and ... related topics on international
expera.smartgridplus.eu/Lists/Experts/DispForm.aspx?ID=4
- Papagiannis**
He participated as coordinator or key researcher in 29 regional and European projects ... efficiency in the industry up t
expera.smartgridplus.eu/Lists/Experts/DispForm.aspx?ID=163
- Weigert**
Data analytics, Smart Metering, Consumption Behaviour ... Machine Learning, Data Science, regional eco-tariffs ...
expera.smartgridplus.eu/Lists/Experts/DispForm.aspx?ID=477
- Rechter**

Manuals of expera

Associated Partners

Joining forces with many kinds of non-funded partners to ...

- jointly foster development of technology and business solutions
- make sure that projects meet real needs of energy efficiency and energy transition processes
- link local and regional level to overall energy system
- connect to business domains way beyond the energy sector
- give RDD consortia confidence that their results will be adopted.

Involvement of stakeholders as Associated Partners does not only improve the quality of the funded RDD projects but increase their overall impact.

Roles of Associated Partners

- provide reach-out beyond involved funding agencies to get good projects and consortia and multiply results
- participate in co-creation of
 - concepts for projects (e. g. in order to get beyond traditional and R&D only approaches)
 - solutions during the run-time of a project (e. g. linking consortia to specific supporters)
 - networks and favorable mindsets for the success of the program and its projects
- shape projects to meet the partners needs at their best
- help start-ups and other candidates with limited experience to apply
- act as technical enablers (e. g. by providing software modules)
- co-finance ERA-Net SES projects
- support accompanying product development
- help taking solutions developed in ERA-Net SES projects to practice
- provide aggregated input to ERA-Net SES program and projects

marked in blue: key aspects for call

Associated Partners (April 2019)



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Networking & Transnational Cooperation Support

Further Webinars:

- November 26, 2019, 13:00-14:00 h CET

Register [here](#) to get slides.

Events:

- Find all events on our [website](#).

Online Partner Search and Matchmaking Platform:

- Present your cooperation profile
- Search & find cooperation partners
- Link to representatives of the ERA-Net SES community

Register [here](#).



ERA-Net SES – Web Information and Contact Points

ERA-Net SES Website

www.eranet-smartenergysystems.eu

Knowledge Sharing platform expera

www.smartgridsplus.eu

LinkedIn

<https://www.linkedin.com/in/eranet-smartgridsplus/>

Newsletter registration

www.eranet-smartenergysystems.eu

Webinars & other events

https://eranet-smartenergysystems.eu/News_Events/Events







Success Rate
42% Success Rate in ERA-Net SG+ 1st Call
(11 + 50 project applications)
11 funded projects (21)
59 nonfunded projects (29)





JOIN
 expera - the knowledge sharing platform of ERA-Net SG+



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ERA-Net SES - Contact the Initiative

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Call Management

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Knowledge Community

knowledgecommunity@eranet-smartenergysystems.eu

Coordination

Austrian Ministry for Transport, Innovation and Technology

Coordinator: Michael Hübner

The screenshot shows the homepage of the ERA-Net Smart Energy Systems website. The header features the logo and navigation menu. The main content area highlights 'INNOVATION FOR SMART ENERGY SYSTEMS IN EUROPE' and 'JOINT CALLS FOR RDI PROJECTS'. A sidebar on the right includes a 'PARTNERING & MATCHMAKING PLATFORM' section and a newsletter subscription form.

Smart Energy Systems ERA-Net

HOME | INTERNAL AREA

ABOUT ▾ CALLS ▾ COMMUNITY ▾ PARTNERS ▾ PROJECTS TOPICS ▾ NEWS & EVENTS ▾ SERVICE ▾

INNOVATION FOR SMART ENERGY SYSTEMS IN EUROPE

JOINT CALLS FOR RDI PROJECTS

ERA-Net Smart Energy Systems (SES) funds transnational research, development and innovation (RDI) projects

SG + CALLS [more](#)

REGSYS CALLS [more](#)

PARTNERING & MATCHMAKING PLATFORM

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CONTACT PARTNERS

National and regional funding agencies and associated partners

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Q&A

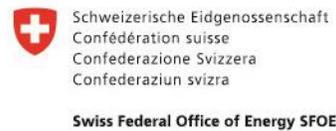
JPP SES and Joint Call 2019 Funding Partners



ADEME



Agence de l'Environnement
et de la Maîtrise de l'Energie



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