

המינהלת הישראלית למו"פ האירופי
The Israel-Europe R&D Directorate

EMEurope

Electric Mobility Europe

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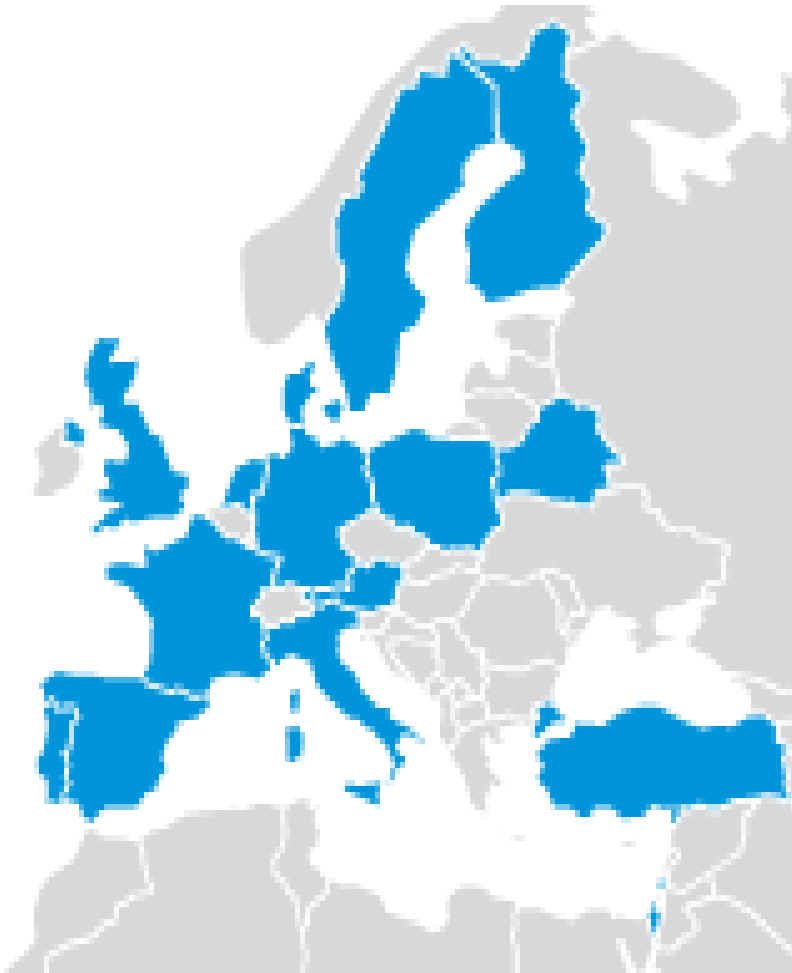
28 Nov 2016



EMEurope Eragnet Cofund

- **EME - Electric Mobility Europe** is an initiative bringing together public funders from European MS and Associated Countries and the European Commission
- **Goal:** Streamline electric mobility in Europe via *transnational research* and *policy exchange*
- A **transnational call** (Opened Nov 2, 2016) will fund innovation projects focusing on the application and implementation of e-mobility
- The initiative brings together **23 million EUR** for supporting applied innovation projects (from 14 countries and the EC).

Partners in EMEurope



14 countries and regions

- Austria
- Belarus
- Denmark
- Finland
- France
- Germany
- Hungary
- **Israel**
- Italy (Piemonte region only)
- The Netherlands
- Poland
- Spain (Country level and Catalonia region)
- Sweden
- Turkey



Target Projects to be funded

- Projects focusing on **demonstrating and validating solutions** that have already reached **TRL 5-6 or higher**
 - Instead of working on the development of new technologies, the projects shall aim at the **testing and validation of existing close-to-market technologies and concepts.**
- The goal is to fund **projects between “proof of concept” and commercial income generation** (spanning the so-called **“valley of death”** which often requires public investment)
 - Reminder: NASA Technology Readiness Levels (TRLs)
 - » Level 5 – Laboratory testing of integrated system
 - » Level 6 – Prototype verified in a relevant environment.



Call Topics

5 Keys Areas:

1. System integration

- Including: implementation of smart charging stations, vehicle-to-grid charging / de-centralised energy storage and generation, charging infrastructure in public areas and homes – effects on building regulations, charging station safety, ICT for battery and charging management , forecast models for decision makers

2. Integration of urban freight and city logistics in the e-mobility

- Integration of electric vehicles into urban distribution systems, including: freight demand characteristics, which freight operations lend themselves to replacement by EVs; Configurations required to cities and roads for EV access; customer requirements for the last mile; sharing and rental concepts for last mile; combined passenger and freight transport



Call covers 5 Keys Areas – cont.

3. Smart Mobility concepts and ICT applications

- Including: applications for assisted parking search; ride-sharing (carpooling) services; autonomous shared e-taxi; assistance in choosing time and place to charge; trip planners for private e-car users (including energy consumption and charging stations); Use of big data (eg mobile phone data) to understand travel patterns;

4. Public Transport

- Including: charging technology for busses; new concepts of electric buses (eg scalable design to increase capacity in peak-hours, to reduce boarding times); IoT solutions for monitoring public transport; Charging in bus stations; Testing the whole system (not just vehicles), including fleet sizing, user requirements, etc.



Call covers 5 Keys Areas – cont.

5. Consumer behaviour and societal trends

- Including: Public acceptability to use EVs; New business models in car ownership (eg leasing of the battery); Electric car sharing system, rental system of city electric vehicles; Regulations and standards, interoperability, charging payment solutions; Policies for the establishment of a second hand market for e-mobility;



Proposal Submission

- Call opened on Nov 2, 2016
- A **two step submission** and evaluation
 1. Light proposals (national evaluation)
 2. Full proposals (transnational experts, peer review panel)
- **Deadline** for submission of light proposals: **6 February 2017, 17:00 CET.**
- Composition of consortia: **at least 3 independent applicants from 3 participating countries;**
- Submission through the call management tool (CMT):
<http://cmt-electricmobilityeurope.eu/login.php>



Funding

- **National Funding:**
 - National rules apply to each applicant
 - In Israel: funding according to the Israel R&D Law
- Applicants should inform and consult closely with the national funding agency and its specific national conditions
 - **In Israel - contact ISERD:**

Nili Mandelblit (nili@iserd.org.il), Orlie Dahan (orlie@iserd.org.il)
- **Register as expert** for the transnational peer review (via the CMT tool)

Evaluation of Proposals

Criteria

- Excellence
- Impact
- Quality and efficiency of the implementation

Scores

- Scores for each criterion range from 0-5 with a threshold of 3.
- Overall threshold for all three dimensions is 10.
- Half marks may be given.

0 - The proposal fails to address the criterion under examination or cannot be judged due to missing or incomplete information.

1 - Poor. The criterion is addressed in an inadequate manner, or there are serious inherent weaknesses.

2 - Fair. While the proposal broadly addresses the criterion, there are significant weaknesses.

3 - Good. The proposal addresses the criterion well, although improvements would be necessary.

4 - Very good. The proposal addresses the criterion very well, although certain improvements are still possible.

5 - Excellent. The proposal successfully addresses all relevant aspects of the criterion in question. Any shortcomings are minor.

Call Timeline

| Date | Step |
|----------------------------|--|
| Light proposals | |
| 02 November 2016 | Launch of the call for light proposals |
| 06 February 2017 | Closure of call for light proposals |
| February/March 2017 | Evaluation of light proposals (national) |
| Full proposals | |
| March/April 2017 | Invitation of consortia to submit a full proposal |
| May/June 2017 | Closure of call for full proposals |
| July/August 2017 | Evaluation of full proposals (transnational peer review) |
| September/December 2017 | Full proposals selected for funding |
| December 2017/January 2018 | Start of projects |

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Thanks You for Your Attention

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 רשות החדשנות
Israel Innovation
Authority

