**Partner search**

**Date (26-02-2019)**

* **(\*) Relevant topic in work programme**

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| Call “Next-Generation Batteries – LC-BAT-2-2019”. |

* **Quick description of the project**

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| Leading research team in electrochemistry from a Public Spanish University coordinates a H2020 project proposal (LC-BAT-2-2019) to develop and produce highly performing batteries: high round-trip energy efficiency, low cost, cheap & widely available raw materials. The consortium is already made up with 3 European energy storage companies and 3 specialised research organizations. They require 1 or 2 battery recycling companies to complete the partnership.  **The project activities will focus on:**  **A) Research for improved cell performance, including electrode materials, electrolytes, aditives, cell geometries,...**  **B) Battery life tests and analysis, including both shelf-life and ciclability.**  **C) Improvement of battery fabrication procedures.**  **D) Economical, environmental, safety and life cycle analysis, including recovery and recycling of battery materials such as metals and boron-containing salts.**  **E) Building and testing of a battery pack demonstrator coupled to photovoltaic panels, and analysis of its performance under real conditions.**  **The estimated duration of the project is three years, with an estimated total budget of 4 Million Euros.**  **The technical coordination will be carried out by a leading senior research team in electrochemistry, with experience in 3 approved H2020 projects (one of them as coordinator) and 6 FP2-FP7 approved projects (one of them as coordinator).**  **The administrative management of the project will be coordinated by the international projects office of the Spanish Public University, which has participated in 185 transnational projects.**  **The deadline for submitting proposals for the call is 25/April/2019.**  **The deadline for the Expression of Interest about this co-operation proposal is 15/March/2019.** |

* **(\*) Description of the expertise requested (up to 1000 characters)**

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| A formed consortium requires one or two (not Spanish) companies active in the battery recycling sector to complete the partnership for a H2020 project (SaltPower), for the Call for Proposal “Next-Generation Batteries – LC-BAT-2-2019”. The SaltPower project aims at developing, improving and producing highly performing innovative sodium metal batteries, using cheap starting materials. The technology has already achieved TRL4 level, and will reach TRL6 at the end of the project. |

* **Keywords describing the expertise requested (up to 10 words)**

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| Industry, materials recycling / battery recycling, recovery and recycling of metals and electrolyte salts from batteries. Economic, safety, environmental, and life cycle analyses. |

**Organisation information**

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| **Organisation and country:**  Leading research team in electrochemistry from a Public Spanish University |
| **Type of organisation:**  **□ Enterprise □ SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **□ Yes □ No** |
| **Web address:**  [**https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/bd3c0d1b-c6ee-4593-bc60-a71b7a0567ce**](https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/bd3c0d1b-c6ee-4593-bc60-a71b7a0567ce) |
| **Description of the organisation:**  Leading research team in electrochemistry from a Public Spanish University |

**(\*) Contact details**

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**(\*) –Mandatory**