**Partner search**

**Date (04-09-20)**

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

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| LC-GD-1-3-2020 : Climate-resilient innovation packages for EU regions |

* **Quick description of the project**

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| **(describe the objectives, activities, partners requested and their skills)** |

* **(\*) Do you intend to apply as ? :**

**Participant : Yes**

**Coordinator : No**

**(\*) Either Description of the expertise requested (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting***

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| **Xxxxxxxxx**  **+ key words :** |

**Or Description of the expertise proposed (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting***

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| Dealing with private as well as public project owners, Tecsol can offer technical, economic and juridical consultancy and support at any stage from feasibility to commissioning of photovoltaic and thermal projects. Tecsol also proposes a telemonitoring solution based on strong algorithms. Tecsol patented multiple inventions in the fields of real time monitoring of solar plants, electricity flows distribution, solar greenhouses, self-draining solar plants, guaranteed solar results, multiple tanks water heaters.  Tecsol through his spin-off Sunchain provides blockchain-based solutions to project developers and utilities for energy exchanges management. First use case: collective self-consumption. Sunchain manages local power exchanges within energy communities, gathering producers, consumers and prosumers.  Energy communities can be created in residential, professional or mixed buildings, districts, local areas, and other environments in order to share local green energy among participants.  While energy is carried by the physical public grid, a virtual private distributed network is implemented to secure and certify the exchanges. This service also offers future opportunities: smart grids application, electromobility, virtual storage, and certification of origin.  **+key words : Energy communities, Collective self-consumption, Blockchain, Electromobility, Smart grids, Agrivoltaism.** |

**Organisation information**

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| **Organisation and country:**  **TECSOL - France (and SUNCHAIN – France)** |
| **Type of organisation:**  **□ Enterprise** ⌧ **SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  ⌧ **Yes □ No** |
| **Web address:**  [**http://www.tecsol.fr/**](http://www.tecsol.fr/)  [**https://sunchain.fr**](https://sunchain.fr) |
| **Description of the organisation:**  Founded in 1982, TECSOL is a French engineering company, specialized in digital and solar energy. The company is based in Perpignan, with offices in the main towns of the French mainland and an office in La Réunion island. Branch-companies are based in the French island of Caribbean’s: Guadeloupe, Martinique.  TECSOL has a staff of 40 people including 34 engineers, and a turnover of nearly 2,3 M€ in 2019. In the past ten years, it has participated in about 30 French and international EU programs.  Tecsol has been involved in a large number of French and European innovation and research projects (private and public funded project), for instance as the coordinator of DIGISOL, a project funded by French State “Future Investment Program” in order to develop a blockchain energy sharing solution within collective self-consumption operations, targeting French and worldwide markets.  TECSOL will indirectly profit as well from the expertise of its sister company SUNCHAIN, which is a French start-up created in 2016 and has specialized in blockchain for sharing solar energy amongst communities. Sunchain is the partner of Enedis, the main French DSO, in blockchain and energy’s project.  Since 2012 TECSOL is involved in several projects on the topic of PV innovative applications : individual and collective self-consumption, e-mobility, agrivoltaïsm. Thanks to its presence in numerous PV projects in France, TECSOL is constantly dealing with legal and administrative issues to develop them. Finally, TECSOL is also in a major position concerning digitalization aspects thanks to its tele-monitoring department (7 persons, 20% of the turnover) and its spin-off SUNCHAIN dedicated to the development of blockchains.  Daniel Mugnier is head of Innovations at TECSOL, being currently Chairman of the IEA Solar Heating and Cooling Program (<http://www.iea-shc.org/>) and IEA PVPS Alternate Exco (<https://iea-pvps.org/>). He has been Vice Chairman of the ESTTP (European Solar Thermal Technology Platform, http://www.rhc-platform.org/structure/solar-thermal-technology-panel/) as well from 2011 to 2018. |

**(\*) Contact details**

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**(\*) –Mandatory**