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**Partner search**

**Date (29-07-20)**

* **(\*) Indicate numbers of relevant topics for Green Deal call:**

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| LC-GD-1-2-2020, LC-GD-1-3-2020, LC-GD-2-1-2020, LC-GD-2-2-2020, LC-GD-3-1-2020, LC-GD-4-1-2020 |

* **Quick description of the project**

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| Solar technologies with added value based on innovations making European industry competitive, ready for massive deployment in urban areas, offering sustainable energy locally, under less ideal climatic conditions, with low technical and legal barriers. |

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

**Coordinator:** No

**Participant:** Yes

**(\*) 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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| Research of high-efficiency photovoltaic technologies, new materials and devices preparation and characterization. Investigation of new principles toward low cost and high efficiency. Solar module testing, climatic testing. Energy systems for sustainable urbanism, building integrated photovoltaics, energy management and storage, architecture. Testing PV systems physically and by computer simulations.**+key words : photovoltaic technologies, BIPV, testing, urbanism, architecture, energy storage** |

**Organisation information**

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| **Organisation and country:**Centre for Advanced Photovoltaics, Faculty of Electrical Engineering, CTU in Prague, Czech Republic |
| **Type of organisation:** **□ Enterprise □ SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**Yes |
| **Web address:**cap.fel.cvut.cz |
| **Description of the organisation:**Centre for Advanced Photovoltaics is Czech Technical University centre gathering experts from different fields of research and development related to photovoltaic technology. Technology is focused on novel high efficiency silicon-based and hybrid perovskite-based solar cells optimized for less ideal irradiation conditions. Research is supported by ab-initio material simulations on one hand and architectural and urbanistic deployment planning and testing on the other hand. |

**(\*) Contact details**

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**(\*) –Mandatory**