**Partner search**

**Date (DD-MM-YY)**

* **(\*) Relevant topic in work programme : Building and renovating in an energy and resource efficient way**

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| **LC-GD-4-1-2020** Building and renovating in an energy and resource efficient way |

* **Quick description of the project**

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* **(\*) 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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| **Drying, Combustion, low temperature cooking, steam generation, solar cooling, chillers, electric air heater** |

**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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| **IDHELIO is a French engineering company who develops and commercializes Fresnel solar concentrator and pebble bed thermal storage. The main innovation is the direct use of air as heat transfer fluid. Temperature level can reach 250°C for the solar concentrator et 600°C for the thermal storage.**  **We are looking partners to develop applications for new or retrofitting of existing buildings as zero-emission/zero pollution, positive energy powerhouses within sustainable neighborhoods (districts) :**   * **Solar-Heating and Cooling for social housing and non residential buildings such as hospital, public and commercial buildings, tourist complex as camping** * **Thermal storage coupling with photovoltaic plant for high temperature and hot air applications** * **Solar District Heating (SDH) with high temperature thermal storage, high temperature over-heating with the Fresnel solar concentrator** * **High temperature thermal storage feeding with waste or low price energy (thermal or electrical) – Power to Heat (P2H) and contributing to the grid stability** * **Construction materials (Brick, tile,…) drying with low carbon / low emission process**   **Solar concentration, process integration, thermal storage with pebble bed, Solar Heating Industrial Process (SHIP), solar Heating and Cooling (SHC), Heat Recovery and high temperature thermal storage** |

**Organisation information**

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| **Organisation and country: IDHELIO / FRANCE (Albi- Occitanie)** |
| **Type of organisation:**  **□ Enterprise X SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **□ Yes X No** |
| **Web address: www.idhelio.com** |
| **Description of the organisation: IDHELIO is an engineering company, 12 years old, with 5 persons. We achieved a 500 k€ crowd funding operation in 2019. Our first industrial demonstrator is in operation by Fruit Gourmet, French SME operating in fruits drying and pasteurisation.** |

**(\*) Contact details**

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**(\*) –Mandatory**