

**Search for a Spanish Partner for a
Bilateral R&D Project (this document will be shared with potential Spanish
companies)**

Organization	
Date of Request:	06/01/2019
Company name:	Moroccan Foundation for Advanced Science, Innovation & Research
Contact person and title/ designation:	Pr. Zouheir SEKKAT, Director of Optics and Photonics Center
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SECTION 1: Your Company Profile <i>(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)</i>	
Business Sector	Renewable energies, photonics
Company mission or core functions	Research
Date of establishment	2007
Ownership (if public and traded, add stock exchange and ticker symbol)	OCP-MAScIR
Total number of employees	130
Number of employees in R&D	100
Key products sold or services provided	Materials and nanomaterials preparation and characterization, SPR Set up, solar cell elaboration et solar panel testing
Company core technical competences	Provide Research & Development services to partners and customers, particularly in the fields of environment, energy, health and valorization of Moroccan natural resources.
Key R&D programs and activities	Advanced Technologies in the Field Of Energy & Environment, PV, Plasmonics, Nano-Photonics, Nanotechnology & Nanomaterials H2020 project: INFINITE-CELL

	<p>(www.infinite-cell.eu), SUPER-PV (www.superpv.eu).</p> <p>EU project: ERASMUS+ Medsol</p> <p>Japanese collaboration: HAINDAI project</p> <p>National Projects: PPR-Optical data storage, PPR Organic Photovoltaic solar cells.</p>
Examples of accomplishments	EUROSUNMED Project (mini module based on Si/CZTS)
Company strategic orientation	Research & Development

SECTION 2: Partner of Interest

(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)

Profile of ideal technology partner	The Field of Energy & Environment
Core technological competencies and expertise	PV Energy
Other essential qualifications (e.g.: ownership, track records etc.)	
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	<p>The center of Optics and Photonics is a platform for the development of advanced technologies in the field of nano-photonics, Advanced Technologies, Energy & Environment, PV, Plasmonics, Nano-Photonics, Nanotechnology & Nanomaterials. The center's research covers a broad spectrum of topics ranging from fundamental to applied, in-depth research in the field of nanotechnology for different applications: renewable energies, Plasmonics, biological and biophotonic, nanomaterials, information technologies and systems for health, as well as nanofabrication (2D, 3D). The center has a state-of-the-art technical platform that allows it to develop, elaborate and characterize different properties of photonic systems. The areas of</p>

	<p>competence of the center extend beyond these themes.</p> <p>Concerning our expertises in PV, we prepare different structures of PV cells, organic, inorganic and hybrid cells, as well as tandem cells for mini modules (18%). We have a patent in FTO preparation via chemical way as well as an other patent on solar cell simulation with new architecture. In addition to the active layer synthesis and the cell elaboration (INFINITE-CELL project), we test innovative solar panels and inverters in different climates (SUPER-PV project).</p> <p>We worked in close collaboration with the European Union and Canadian institutions (MedSol/PPR-MES OPV) and partners of H2020 projects: EUROSUNMED (finished Oct 2017) / INFINITE-CELL (www.infinite-cell.eu) and SUPER-PV (www.superpv.eu).</p>
Interested areas of collaboration	Advanced Technologies in the Field Of Energy & Environment, PV, Plasmonics, Nano-Photonics, Nanotechnology & Nanomaterials
Specific R&D contribution you are seeking/offering	Advanced Technologies in the Field Of Energy & Environment, PV, Plasmonics, Nano-Photonics, Nanotechnology & Nanomaterials

Signature
Name: Zouheir SEKKAT
Date: 09 Jan. 2019