

RESEARCH LINE 8B	
<b>COMPANY</b>	<b>Iberdola</b>
<b>PhD THESIS SUPERVISOR (UPM)</b>	Prof. Dr. Teresa Sánchez Chaparro <i>Industrial Engineering School</i> <i>Organizational Engineering, Business Administration and Statistics Department</i>
<b>PhD THESIS CO-SUPERVISOR (COMPANY)</b>	Mónica Oviedo, Sustainability Development and 2030 Agenda, Iberdrola Group
<b>DESCRIPTION OF THE PhD THESIS PROJECT</b>	<p>Business can play a critical role in achieving the SDGs, while the Agenda 2030 poses a great challenge in promoting change towards sustainable business models. Corporate sustainability reporting is a widespread practice among organizations, and diverse standards have been developed from the business sector (e.g. Global Reporting Initiative- GRI, Climate Disclosure Standards Board- CDSB, Sustainability Accountability Standards Board- SASB, International Integrated Reporting Council-IIRC, etc.). However, specific methodologies to analyze an organization's particular contribution to the SDGs targets in a certain geographical and sectoral context are still lacking. Moreover, social impact evaluation is particularly problematic due to its intangible nature. Several prior works can be of use but a sound methodology is yet to be developed.</p> <p>The objective of this PhD project is to develop a methodology for SDG assessment adapted to the private sector, and in particular to the energy sector.</p> <p>The subject must be approached from different contexts- government, NGOs, private organizations- and disciplines: economy, engineering, environmental sciences. An interdisciplinary approach is needed due to "wicked" nature of SDGs.</p> <p>The expected outcomes of the PhD are:</p> <ul style="list-style-type: none"> <li>• An original methodology for SDG impact assessment.</li> <li>• An operational tool (software) as a practical outcome of the project, with high potential to become a standard in the sector.</li> </ul>
<b>TRAINING ACTIVITIES</b>	<p>The selected PhD candidate will join the doctoral program in <a href="#">Engineering Management</a> at UPM and join, if needed, all the training activities planned in the program, including basic research training (*) and the program annual workshops and other networking events both inside and outside UPM and Iberdrola.</p> <p>(*) how to carry out a literature review and building a state-of-the-art theoretical framework, how to write a scientific paper, emotional tools for the PhD journey, philosophy of science, research methodology, etc.</p> <p>Other than that, the PhD will be organized according to the following stages:</p> <ol style="list-style-type: none"> <li>1. Theoretical framework: Revision of literature (prior works, and different conceptions of impact).</li> <li>2. Field work: Case-study methodology in Iberdrola.</li> <li>3. Results and validation of the methodology.</li> </ol>
<b>SECONDMENT(S)</b>	The thesis project has a planned research visit of at least 4 months in another Higher Education Institution with the objective of graduating as an <a href="#">International UPM Doctor</a> . Some possibilities are: Ecole des Ponts Paristech, Brasilia University, MIT
<b>REQUIREMENTS FOR CANDIDATES</b>	<b>Degree:</b> MSc in Engineering, Sciences, Economics or Business Administration. Other master degrees can be considered with complementary training or professional experience.

	<p><b>Skills:</b> excellent written and oral communication in English, teamwork, systems view, project management and self-organization, action-oriented, aware of sustainability challenges and knowledge of the SDG framework.</p> <p><b>Background:</b> Previous professional or academic experience in impact evaluation or monitoring would be greatly appreciated. An interdisciplinary profile would also be an asset to this PhD project.</p>
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