

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

<b>Organization</b>	
<b>Date of Request:</b>	May 2018
<b>Company name:</b>	Environmental Bioprocess Modelling Laboratory
<b>Contact person and title/ designation:</b>	Dr Jorge Rodríguez R.
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**SECTION 1: Your Company Profile**

*(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.)*

Business Sector	Scientific and Technological Research & Higher Education on Water Technologies, Wastewater Treatment and Bioprocesses
Company mission or core functions	Research group within the Masdar Institute part of Khalifa University of Science and Technology
Date of establishment	2010
Ownership (if public and traded, add stock exchange and ticker symbol)	Public
Total number of members	Six, including students
Number of employees in R&D	Six, including students
Key products sold or services provided	Research partnership for large or small projects tackling general scientific questions or specific technical problems.
Company core technical competences	Modelling of wastewater treatment technologies, biogas plants and bioprocesses at both fundamental and applied levels. Process control and optimisation. Laboratory bioreactor operation and analysis.

Key R&D programs and activities	Optimum control of biogas co-digestion plants; Modelling fermentations; Microalgae for protein production; modelling microbial ecosystems
Examples of accomplishments	envbioprom.org
Company strategic orientation	High quality research publications, patents and student educational experience. Solution of technological problems.

## 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	Company or research institution working on biological wastewater treatment, biogas, microalgae or bioprocesses in general.
Core technological competencies and expertise	Biogas, wastewater treatment, mixed microbial culture techniques
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	Joint research projects of applied or fundamental nature.
Interested areas of collaboration	Wastewater treatment Biogas plants optimisation and control Microalgae for protein production
Specific R&D contribution you are seeking/offering	Process modelling and optimisation to regional conditions for wastewater treatment, biogas plants or microalgae processes.



Signature

Name: Jorge Rodríguez

Date: 30<sup>th</sup> May 2018