Candidate details

Surname/s (family name/s):	
First name/s:	
Nationality:	
Date of birth:	
Place of birth (country):	
Contact address:	
Phone:	
e-mail:	
Indicate the countries in which you have resided in the last 3 years:	
☐ I declare that I have not resided or carried out my main activity (work, studies, etc.) in the country of the recruiting University/Universities for more than 12 months in the 3 years immediately before the recruitment date	
☐ I declare that I have not already been awarded a PhD title	

Positions preference and list of documents (packed in a single-PDF)

List of the position/s code (DC1, DC2…, **see annex below**) of Unite! Energy project in order of preference (1 means maximum preference):	1 - 2 - 3 -
☐ Detailed CV (maximum 5 pages) including publications and references (if available)	
☐ A motivation letter containing a brief description of the applicant's research interests and motivation for applying for the position (maximum 1 page)	
☐ Transcript of records/academic records and certificates/diplomas showing completion, grades, courses and credits of the bachelor's and master's degrees	
☐ Language certificates (if available)	
☐ Addictional relevant documentation	

In accordance with the provisions of EU Regulation 2016/679 by the Parliament and the Council, of 27 April 2016 and the Spanish Organic Law 3/2018, of 5 December 2018, we inform you that personal data are collected and processed by Universitat Politècnica de Catalunya (UPC), for the purposes of recruitment procedure described in the UPC's Processing Activity Register (https://rat.upc.edu). The data subject has the right to request access to and rectification or erasure of personal data or restriction of processing concerning the data subject or to object to processing as well as the right to data portability. The basic information on data protection is available on the following web page: https://rat.upc.edu/ca/registre-de-tractaments-de-dades-personals/F03.13.

Date and signature

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Annex - Positions

Position Code	*Project Title*	*Recruiting Institution*	*Hosting Institutions*
DC1	Carbon nanomaterials with encapsulated metal nanoparticles as electrocatalysts for water splitting	Wrocław University of Science and Technology	Wrocław University of Science and Technology (Wrocław, Poland, 24 months) Technical University of Darmstadt (Darmstadt, Germany, 24 months) Secondment: Heraeus (Hanau, Germany, 3 months)
DC2	Catalyst layer optimisation for reducing noble metal contents in PEMECs	Friedrich-Alexander-Universität Erlangen-Nürnberg	Friedrich-Alexander-Universität Erlangen-Nürnberg (Fürth, Germany, 18 months) Graz University of Technology (Graz, Austria, 18 months) Secondment: Heraeus (Hanau, Germany, 3 months)
DC3	Proton ceramic cells (PCC) stacks for ultra-pure hydrogen production	Polytechnic University of Torino	Polytechnic University of Torino (Torino, Italy, 24 months) Polytechnic University of Catalunya (Barcelona, Spain, 12 months) Secondment: Snam (San Donato Milanese, Italy, 3 months)
DC4	Photoelectrocatalytic materials prepared by mechanochemical methods as photoelectrodes for hydrogen production	Polytechnic University of Torino	Polytechnic University of Catalunya (Barcelona, Spain, 18 months) Polytechnic University of Torino (Torino, Italy, 18 months) Secondment: Solaronix (Aubonne, Switzerland, 3 months)
DC5	Optimisation of FeNC catalysts for fuel cell applications	Polytechnic University of Torino	Polytechnic University of Torino (Torino, Italy, 18 months) Technical University of Darmstadt (Darmstadt, Germany, 18 months) Secondment: Heraeus (Hanau, Germany, 3 months)
DC6	Use of natural wood and biobased polymers as base materials for the elaboration of fuel cells components by additive manufacturing	Grenoble Institute of Technology	Polytechnic University of Torino (Torino, Italy, 18 months) Grenoble Institute of Technology (Grenoble, France, 18 months) Secondment: Liten CEA (Grenoble, France, 2 months)

DC7	Development of novel catalysts for hydrogen fuelled alkaline membrane fuel cells	KTH Royal Institute of Technology	Aalto University (Espoo, Finland, 24 months) KTH Royal Institute of Technology (Stockholm, Sweden, 24 months) Secondment: Powercell (Göteborg, Sweden, 4 months)
DC8	Design and optimisation of converter-fed electrolyser systems	Polytechnic University of Torino	Aalto University (Espoo, Finland, 18 months) Polytechnic University of Torino (Torino, Italy, 18 months) Secondment: ABB System Drives (Helsinki, Finland, 1 month)
DC9	Green H_2-electrolyser based industrial systems for supporting future power systems	Polytechnic University of Catalunya	KTH Royal Institute of Technology (Stockholm, Sweden, 24 months) Polytechnic University of Catalunya (Barcelona, Spain, 24 months) Secondment: eRoots (Barcelona, Spain, 6 months)
DC10	Physics-informed artificial intelligence for assessing and designing safe materials for hydrogen storage	Aalto University	Aalto University (Espoo, Finland, 39 months) Polytechnic University of Catalunya (Barcelona, Spain, 9 months) Secondment: Electro Optical Systems (Turku, Finland, 3 months)
DC11	Ensuring hydrogen safety operation through high performance computing and high-fidelity modelling	Polytechnic University of Catalunya	Polytechnic University of Catalunya (Barcelona, Spain, 12 months) Technical University of Darmstadt (Darmstadt, Germany, 18 months) Secondment: Barcelona Supercomputing Center (Barcelona, Spain, 6 months)
DC12	A sustainable path towards the innovative deployment of low-carbon H_2 technology	Polytechnic University of Catalunya	Polytechnic University of Catalunya (Barcelona, Spain, 24 months) Grenoble Institute of Technology (Grenoble, France, 12 months) Secondment: EIT InnoEnergy (Eindhoven, Nederland, 3 months)