



ESR Recruitment Process - Starting form

Required Information for launching a call for candidates for Recruitment
Calls will be mandatory published in EURAXESS platform during at least one month

GENERAL DATA

ORGANISATION/COMPANY	BOCCONI UNIVERSITY	
RESEARCH FIELD	Business economy	
RESEARCHER PROFILE	First Stage Researcher (R1)	
APPLICATION DEADLINE	30/09/2022 23:00 - Europe/Brussels	
LOCATION: COUNTRY	ITALY	CITY MILAN
TYPE OF CONTRACT	Temporary	
JOB STATUS	Full-time	
HOURS PER WEEK	38	
OFFER STARTING DATE	01/11/2022	
EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions	
REFERENCE NUMBER	SMARTGYSUM-ESR15	
MARIE CURIE GRANT AGREEMENT NUMBER	ETN955614	

OFFER DESCRIPTION

DESCRIPTION OF RECRUITMENT INSTITUTION	<p>Established in 1902, Bocconi University is a university of international standing in business, economics and law. Its research projects are funded by national and supranational institutions. Pure and applied research takes place in each of the disciplinary areas of the University, through its Departments, Research Centres and the SDA Bocconi School of Management. Economics, management, and finance programs are among the best in the world. The QS World University Rankings listed Bocconi among the ten best institutions in Europe in these fields. Bocconi is a place to explore new ways of thinking, and challenge accepted ideas with the help of elite researchers, lecturers and business figures. By joining Bocconi, researchers will be at the centre of an institution that sparks discussion worldwide, being immersed in the culture and conversation of Milan, one of Europe's great cities for art, industry, and finance. Bocconi attracts the best researchers and educators from all over the world and gives them the opportunity to collaborate on ground-breaking research with household names from the business community.</p> <p>GREEN is the Centre for Research on Geography, Resources, Environment, Energy & Networks, established in September 2018 as the result of the merger between two historic research centres at Bocconi University, namely IEFE (Centre for Research on Energy and Environmental Economics and Policy, which traces its history back to 1957) and CERTET (Centre for Regional Economics, Transport and Tourism founded in 1995). GREEN absorbs and further expands their networks and wide range of expertise at the national, European, and international levels. The new centre aims to conduct and promote research at the intersection of spatial of socio-economic phenomena concerning climate change, transportation, environmental policy and energy markets, following an interdisciplinary approach. The main research areas regard: environmental economy analysis, assessment and evaluation, policy design and evaluation, Business model definition, market analysis, policy instruments assessment and multilevel governance.</p>
DESCRIPTION OF RESEARCH GROUP AND TOPIC	<p>SMARTGYsum (SMART Green energy Systems and bUsiness Models) project groups together leading European Universities and Institutions (the consortium is composed of 13 universities and 14 companies/institutions) to implement a multidisciplinary and</p>

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innovative research and training program in the field of Energy market, Renewable Energy Systems and Business Models to foster a new green energy economy in Europe. During the three years program, Early-Stage Researchers (ESR) will acquire knowledge, methods and skills across a wide range of disciplines. Trained ESR will acquire technical and economical knowledge to break down barriers to the deployment of a green energy transition, such as market and social barriers (price distortion through externalities, low priority of energy issues, split incentives); financial barriers (investment, high up-front costs, lack of access to capital); information failures (lack of awareness, knowledge and competence); or regulatory barriers (restrictive procurement rules).

Bocconi University (UB) invites applicants for a Research fellowship with a focus on “Identifying enablers and barriers to foster the replicability of business models for Green Energy Systems”.

ESR will develop their activity at Bocconi University in Milan at GREEN research center, under the supervision of Prof. Edoardo Croci

In the context of the project, applicants may also apply for a **PhD in Economics and enterprise** at University of Extremadura (UEX), Badajoz, Spain. PhD fees are covered by Bocconi University for the three years PhD programme. UEX is responsible for PhD candidate selection and enrolment procedures. Further information about UEX PhD programme is available at the following link https://www.unex.es/organizacion/servicios-universitarios/servicios/doctorado/funciones/tercer_ciclo/fichas-pd-rd-99-11-1/programa-de-doctorado-en-economia-y-empresa

The research aims to **identify and assess relevant enabling and hindering factors influencing the diffusion of innovative business models related to sustainable power energy systems and energy transition in the EU**. Different dimensions and factors will be considered, e.g. regulatory systems, socio-economic contexts, market maturity and market trends, consumption behaviours and patterns, energy and climate policies, comparing different countries and regions in the EU. The expected result consists in providing a roadmap to **foster replicability of business models** related to technologies developed along the project across different EU countries.

The research will be contextualized in WP5 “**Green economy models and Management Systems**”, aimed at developing “Smart Collaborative Grids”, considering both technical and economic aspects related to sustainable business models. The research will be supervised by Edoardo Croci, Professor of Practice at Bocconi University, and co-supervised by Enrique Romero-Cadaval, Professor at University of Extremadura, Badajoz, Spain, where is planned a secondment of 2 months. Another complementary secondment of 4 months is arranged in France, by Siemens a technology company leader in the infrastructure sector, supply chains, and smarter buildings, where the ESR will be supervised by Dr Franck Sellier.

The student will acquire expertise in interdisciplinary fields, gaining through this training program a set of skills for a variety of careers: in academia; international organisations such as the World Bank, OECD, UNEP or European Commission; private/consultancy sector (eg. renewable energy firms, water companies, environment consultancies, etc), NGOs or high-profile positions in governmental institutions.

The ESR will take part in the whole research process, starting with the proposal of new ideas, going from the design to the experimental validation of prototypes in the



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	laboratory and industry facilities, and finishing with the development of the business models.
CONTEXTUALIZATION OF POSITION	<p>The position refers to a H2020 Marie Skłodowska-Curie Innovative Training Networks (ITN) action for Early-Stage Researchers within the project SMARTGYsum (Research and Training Network for Smart and Green Energy Systems and Business Models).</p> <p>The grant covers up to 2 years and 10 months (contract will be for 1 year with renewing possibility) of full-time research according to salary table established in the grant for Italy, starting from November 2022.</p>
APPLICATION	<p>For consideration, interested applicants should submit the required information by completing the form at https://www.smartgysum.eu/Home/Apply based on the instructions given. An attached document must be uploaded containing the curriculum vitae, a letter of interest and contact details of two references. All documentation should be in English and merged into a single PDF document. Please, note that applications that do not follow the announcement's guidelines will not be considered.</p> <p>For further information, please contact Dr Eva Gonzalez-Romera (ecruitment@smartgysum.eu) for questions about application procedure or Dr Annamaria Bagaini (annamaria.bagaini@unibocconi.it) for questions about research objectives.</p>
CLOSING DATE	30/09/2022

ADDITIONAL INFORMATION

BENEFITS	<p>SMARTGYsum project is aimed to train 15 creative and innovative researchers in the field of green energy system and business models.</p> <p>The researchers trained in this network will be able to convert state-of-the-art knowledge and ideas into new products for economic and social benefit and to promote the energy transition.</p> <p>Researchers will work in an international, multidisciplinary, and stimulating environment, along with other researchers and professors who will follow and support the ESR during the whole period. It is also offered the opportunity to take part in all activities carried on by the research centre, which can enlarge their knowledge and experiences.</p>
ELIGIBILITY CRITERIA	<p>Applicants must satisfy the eligibility conditions for MSCA Early-Stage Researchers, i.e., they must have obtained their master's degree in the past 4 years and must not have resided or carried out their main activity (work, studies) in Italy for more than 12 months in the past 3 years. Applications of candidates not fulfilling these eligibility conditions will not be considered.</p> <p>Be eligible to enrol or be enrolled in the University PhD program https://www.unex.es/organizacion/servicios-universitarios/servicios/doctorado/funciones/tercer_ciclo/fichas-pd-rd-99-11-1/programa-de-doctorado-en-economia-y-empresa</p>
SELECTION PROCESS	Applications will be marked and ranked according to the Academic curriculum, Research activities and Technical and transversal skills. Best candidates could be interviewed using an on-line conference system
RESPONSIBILITIES OF THE ESR	<ul style="list-style-type: none"> ▪ An Individual Research Project (IRP) will be assigned to the ESR at the beginning of the fellowship. The ESR will have the responsibility of executing all tasks described in the IRP, which will involve research and organization tasks, mobility requirements, milestone accomplishments and deliverable submission. ▪ Carrying out all the activities required by the program is mandatory within the expected timeframe of three years. Publications in high impact- factor international journals are expected as well as participation in international conferences.

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- Enrolment in Economics and enterprise Doctoral program at University of Extremadura, Badajoz, Spain, and carry out all the activities required to make a high-quality PhD dissertation within the expected timeframe.
- COVID-19's outbreak: on-site presence is required at the recruitment institution according to national health recommendations (EU Digital COVID Certificate is mandatory).

REQUIREMENTS

REQUIRED EDUCATION LEVEL

Post-Graduate Degree or Master's Degree in Economics, Environmental and Energy economics, Management, Management engineering

REQUIRED LANGUAGES

Mandatory ENGLISH (advanced)
Optional ITALIAN (intermediate)
Optional SPANISH (intermediate)

SKILLS/QUALIFICATIONS

Applicants are required to have an **excellent academic background** with a **post-graduate degree or equivalent in Economics, Environmental or Energy economics, Management or Management engineering**, with expertise in **policy evaluation and business model assessment**. Applicants who are in the final phase of their master's degree are also encouraged to apply but have to complete the master before starting the fellowship.

Motivation, the ability to work independently and in a team, an innovative and creative open mind are recommended. **Competence in quantitative analysis** (data mining, statistical analysis) **and strong written and oral communication skills in English** are also required.

Good skills with some of the following tools and software are recommended:

- Office package
- Statistical tools, like R (R Foundation for Statistical Computing), Stata, etc.

Prior experience on any of the following topics will be considered as add-value:

- Policy assessment
- Cost-benefit analysis