



GOT ENERGY TALENT fellowship programme 1st call for fellowships

Isabel Salgueiro, Got Energy Talent COFUND – Project Manager
23rd July 2018

GOT ENERGY TALENT fellowship programme

1st call

1. Overview of the Programme
2. First Call for Fellowships
 - A. Fellowships available and conditions
 - B. Timeline, requirements to apply and how to apply
3. More information

1. Overview of the Programme. What



What is Got Energy Talent (GET)?

- Got Energy Talent is a fellowship programme co-funded by the EU as part of the H2020-MSCA-COFUND programme (Grant Agreement number 754382)
- A total of **34 fellowships** for experienced researchers to develop a 24-month research project in Madrid through 2 open calls at international level (17 fellowships per call)
- 2 calls: July 2018 and Spring 2019

1. Overview of the Programme. Who

Two Spanish public universities located in Madrid region – Academic Host Institutions
17 fellowships per University / 8/9 fellowships per call per University

University of Alcalá

- ✓ Spanish public university located in the city of Alcalá de Henares
- ✓ City located 35 km (22 miles) Northeast of Madrid city, third-largest city in the region
- ✓ Founded in 1499, re-opened in 1977



Universidad de Alcalá

Universidad Rey Juan Carlos

- ✓ Spanish public university located in the Southern area of Madrid region
- ✓ 5 campuses at different locations in Madrid: Móstoles, Alcorcón, Vicálvaro, Fuenlabrada and Aranjuez
- ✓ Founded in 1996



Universidad
Rey Juan Carlos

**Applications to UAH and to URJC will be treated separately, i.e. two separate raking lists will be drawn up: one for the applicants applying to UAH and one for the applicants applying to URJC.*


2. First call for fellowships. Research areas: Smart Energy

*We are looking forward
to receiving your
research ideas!!*

17 fellowships are available. 8/9 fellows will be hired by each university.

Opportunity for experienced researches from around the world to spend **two years at Madrid** (two year contract) to undertake an independent, interdisciplinary research project in the field of **smart energy and related areas**.

Open to the fellows to freely define their research project. However, the research should fall within one of the research lines offered by GET and be supported by current research strengths at UAH, URJC and partner organisations.

 *In Part C of 'Research Proposal' form, applicants must explain how and why their research fits into the research line they have chosen, and show complementarities. **Applicants must get in contact with the relevant research group** in order to get the necessary information to complete the application!*

2. First call for fellowship. Research areas

How to find the research line where your research idea fits?

Where can you get the contact details?

All information is on the website! Please check the research lines available under “Research Lines”

Un proyecto de

GOT Energy TALENT

Got Energy Talent
General information

Calls
First & Second

Research Lines
Research & Study

Researchers
Fellows info

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Contact info

Research Lines

HOME \

Research Lines

- Analytical Chemistry, Physical Chemistry and Chemical Engineering (UAH)
- Applied Mathematics, Materials Science and Engineering, and Electronic Technology (URJC)
- Architecture (UAH)
- Automatics (UAH)
- Biology, Geology, Applied Physics and Inorganic Chemistry (URJC)
- Business Administration (ADO), Applied Economics II and Fundamentals of Economic Analysis (URJC)
- Communications Sciences and Sociology (URJC)
- Computer Science (UAH)
- Computing Science, Computer Architecture, Programming Languages and Systems and Statistics and Operative Investigation (URJC)
- Economics (UAH)
- Education Sciences, Language, Arts and Culture, Legal History and Humanistic sciences and Modern Languages (URJC)
- Electronics (UAH)
- Energy and Chemical Technology, Environmental and Chemical Technology, Mechanical Technology, Analytical Chemistry (URJC)
- Geology, Geography and Environment (UAH)
- Life Sciences (UAH)
- Organic Chemistry and Inorganic Chemistry (UAH)
- Physics and Mathematics (UAH)
- Private Law and Social Security and Labor Law (URJC)
- Public Law II and Philology I (URJC)

Accelerating Application

Smart Energy Systems: Energy

Read more

Accessible and Wireless

Research and implementation

Read more

Actual Use Case of Virtual Power Plant

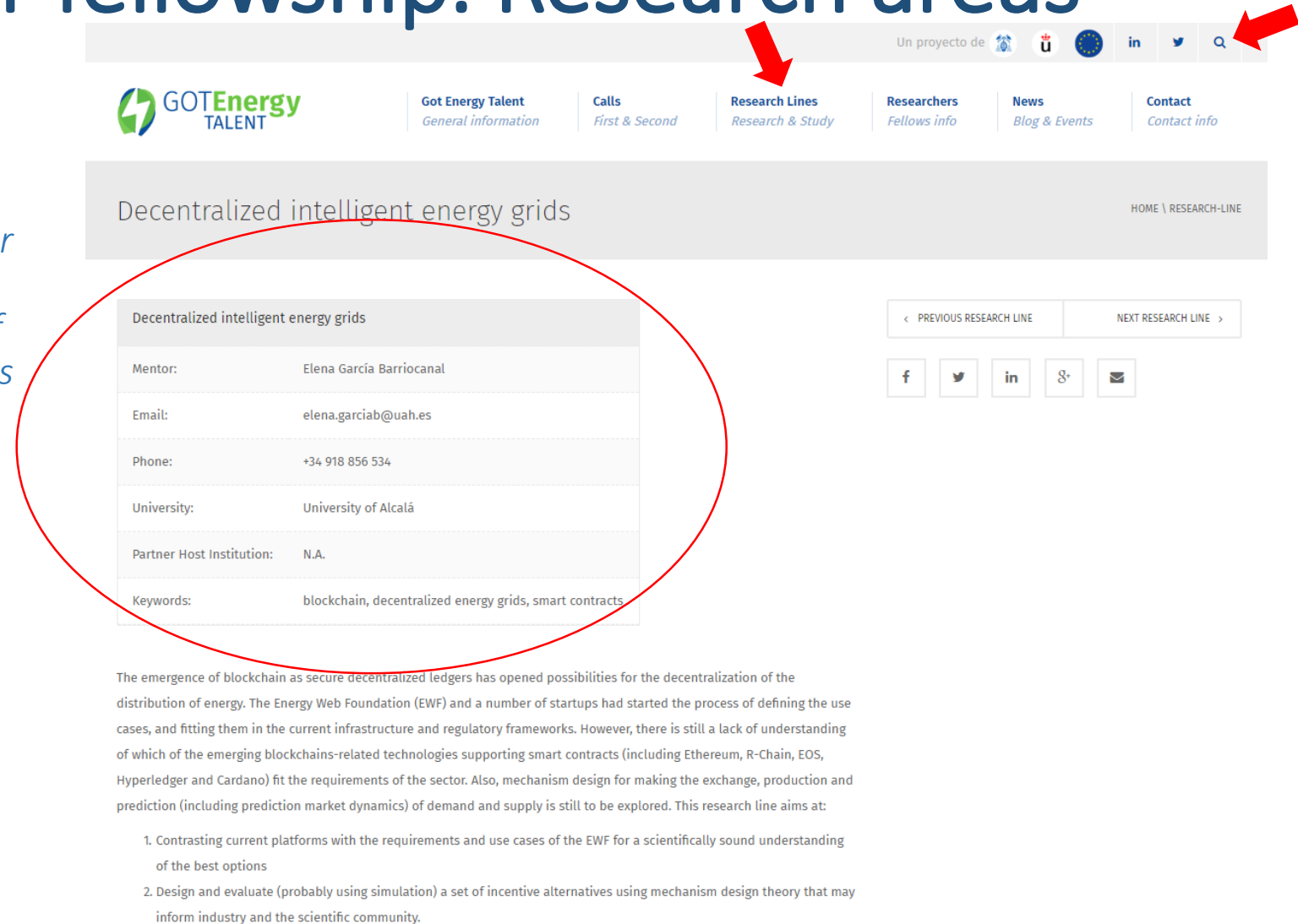
The research line consists of the design of a virtual power plant from the repeating stations of mobile communications signals, which can act as distributed energy resource units, with solar generation, grid connection, manageable loads and high-speed communications links. Firstly, it is a question of designing the remodeling of the stations to become DER units and then configuring the management and operation of the virtual power plant.







Read more

Got Energy Talent Cofund – First call for fellowships

2. First call for fellowship. Research areas

You will find all necessary information to get in contact with the research group under each research line: contact details, mentor, description of the research, relevant projects and publications.



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GOT Energy TALENT | [Got Energy Talent](#) General information | [Calls](#) First & Second | **[Research Lines](#)** Research & Study | [Researchers](#) Fellows info | [News](#) Blog & Events | [Contact](#) Contact info

Decentralized intelligent energy grids

HOME \ RESEARCH-LINE

< PREVIOUS RESEARCH LINE | NEXT RESEARCH LINE >

f t in g e

Decentralized intelligent energy grids	
Mentor:	Elena García Barriocanal
Email:	elena.garciab@uah.es
Phone:	+34 918 856 534
University:	University of Alcalá
Partner Host Institution:	N.A.
Keywords:	blockchain, decentralized energy grids, smart contracts

The emergence of blockchain as secure decentralized ledgers has opened possibilities for the decentralization of the distribution of energy. The Energy Web Foundation (EWF) and a number of startups had started the process of defining the use cases, and fitting them in the current infrastructure and regulatory frameworks. However, there is still a lack of understanding of which of the emerging blockchains-related technologies supporting smart contracts (including Ethereum, R-Chain, EOS, Hyperledger and Cardano) fit the requirements of the sector. Also, mechanism design for making the exchange, production and prediction (including prediction market dynamics) of demand and supply is still to be explored. This research line aims at:

1. Contrasting current platforms with the requirements and use cases of the EWF for a scientifically sound understanding of the best options
2. Design and evaluate (probably using simulation) a set of incentive alternatives using mechanism design theory that may inform industry and the scientific community.

2. First call for fellowship. 2nd year of secondment

Under certain research lines, applicants can choose to go on a 1-year secondment during the second year of their stay in Madrid in one of our **non-academic partner host institutions**, i.e. in this case, the fellowship will consist of a 12-month advanced research project in one of the academic host institutions (UAH or URJC) combined with a 12-month period devoted to applied research in one of the non-academic institutions.

The 1st year at the academic host institution is compulsory! The contract will still be with the academic host institution!



In Part C of 'Research Proposal' form, applicants must explain the reasoning of the secondment.

If you are interested in doing a second year of applied research, please inform the research group from the academic host institution.

Computer vision with drones for energy systems monitoring

HOME \ RESEARCH-LINE

Computer vision with drones for energy systems monitoring

Mentor: Inmaculada Mora Jiménez
José María Cañas Plaza

Email: inmaculada.mora@urjc.es
josemaria.plaza@urjc.es

Phone: + 34 914 888 207
+34 914 888 755

University: Rey Juan Carlos University

Partner Host Institution: CENER (National Renewable Energy Centre of Spain)
Optiva Media
ATOS

Keywords: Visual inspection, Drones, Deep Learning, Autonomous navigation, Energy systems

< PREVIOUS RESEARCH LINE

NEXT RESEARCH LINE >



General topic: Computer vision with drones for energy systems monitoring

Specific topic: The use of drones for visual inspection and monitoring of energy generation and transport systems, such as power lines, wind generators, nuclear power plants, solar panel orchards, hydroelectric dams, etc.

Objective: To increase the safety and efficiency of inspection and monitoring operations.

Description: Drones will be provided with autonomous navigation in different degrees. Different kind of visual sensors (RGB,

2. First call for fellowship. Conditions

A. Two-year full-time employment contract with either the UAH or the URJC (academic host institutions).
Contract subject to the Spanish law.

B. Financial conditions:

- **€4,490.00 monthly** (€4,890.00 monthly for fellows with family duties)
Important: these amounts correspond to the total amount **before both employer contributions (economic rights and social costs) **and employee contributions** (fiscal obligations and social security and other taxes).*
- **Contribution to research costs:** €4,200.00 per fellow per year as a contribution towards the direct costs of conducting the research proposal (i.e. consumables, publications, travel, specific workshop or training activities).
**Please note that the contribution to the research costs is NOT part of the salary.*

2. First call for fellowship. Conditions

Fellow Development Plan, mentorship and guidance

- ✓ All successful applicants will have an academic mentor at UAH or URJC.
- ✓ At the beginning of the fellowship, the fellow together with his/her mentor will develop a Fellow Development Plan (FDP) detailing knowledge gaps, training needs, milestones and deliverables. To be reviewed yearly.

Training and guidance

- ✓ GET-COFUND fellows will have access to the normal research training offer of UAH and URJC, as well as to the normal training offer of their host non-academic institution (*if applicable*).
- ✓ In addition, fellows will be offered a complementary dedicated agenda of activities to further develop their competences, with particular attention to technology transfer and innovation.

GET is supported by a full array of partner organisations that will support us in putting in place a targeted training agenda. Partner Organisations include international universities as well as entrepreneurship and innovation support agencies.

2. First call for fellowship. Timeline

Call opened from 2nd July to **1st October (12:00 Spanish time)!!**

1. Application via the online application system. BUT YOU SHOULD WORK OFFLINE IN YOUR APPLICATION and once is ready, submit it.
2. Eligibility check by GET's Secretariat
2. Scientific Evaluation*. Each application will be independently and individually assessed by 3 experts. The outcome of the evaluation will be the "Individual Evaluation Report" (IER), which will be provided to all applicants.

**The scientific evaluation and the selection of evaluators will be provided by the Department for Coordination and Evaluation (Subdivisión de Coordinación y Evaluación, SCE) of the Spanish Ministry of Science, Innovation and Universities. Evaluators will assess the proposals according to the principles, guidelines and forms included in the Guide for Evaluators (available online)*



2. First call for fellowship. Timeline

3. Consensus meeting and drawing of ranking lists*.
4. Communication of results.
5. Negotiation. Top candidates will be invited to meet up for an interview (online or by phone) where contracting details and a date to start the fellowships will be set.

**Important to note: Applications to UAH and to URJC will be treated separately, i.e. two separate ranking lists will be drawn up, one for the applicants applying to UAH and one for the applicants applying to URJC.*



2. First call for fellowship. How to apply

Application package:

- Administrative form
- CV of the Applicant
- CV of the Research Group
- Research Proposal
- Letters of recommendation from 3 referees

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED!!

Applications which do not use GET templates will be considered ineligible and will be excluded from further review.

GOT ENERGY TALENT opens on 2nd July! Get ready!

The first call of Got Energy Talent (GET) will open on 2nd of July 2018. Under GET's first call, there will be **17 fellowships be available: 8/9 under the UAH and 8/9 under the URJC**. The fellowships will provide the opportunity for experienced researchers from around the world to spend two years at Madrid to undertake an independent, interdisciplinary research project in the field of smart energy.

In the section Overview, you will find detailed information about the fellowship conditions (number, duration and financial conditions), the eligibility criteria as well as the selection process.

Call schedule

Launch of the call:

- 1st call open: 2nd July (2018)
- **Call deadline: 1st October (2018), 12:00 Spanish Time**
- Candidates will receive a confirmation email when submitting the application

Selection process:

- Communication of results of the eligibility check: October 2018
- Consensus meeting and drawing of ranking lists: January 2019
- Communication of results after evaluation process: February 2019

Start of the fellowship:

- Appeal, redress and negotiation period: February 2019 and March 2019
- Approximate start of the fellowships: April-May 2019

Research Lines

It is open to the fellows to freely define the subject area of the proposed research. However, the research should fall within one of the research lines offered under GOT ENERGY TALENT fellowship programme and it should be supported by the current research strengths at UAH, URJC and its partner organisations.

Applicants must identify the research line where they want to be integrated, and get in touch with the research group, in order to get the necessary information to complete the application. You will find the contact details of the group as well as the complete list of research lines here.

Smart Energy and related fields

On-line application tool [↗](#)

Warning

Guide for Applicants

Application forms

Application forms:

- GET_Application Forms_Administrative Form
- GET_Application Forms_CV of the Applicant
- GET_Application Forms_CV of the Research Group
- GET_Application Forms_Research proposal

Documents for evaluators

Recommendations

We advise applicants to carefully read the "Guide for Applicants" as well as the "Guide for Evaluators". For any question regarding the Programme, please get in touch with tecnico.cofund@uah.es.



In the "Guide for Evaluators", you will find a detailed description of the assessment criteria. You will also find the IER (Individual Evaluation Report) template that evaluators will use to assess and score your application. Therefore, when building your proposal, we recommend you to carefully read this guide together with the "Guide for Applicants".

2. First call for fellowship. How to apply

APPLICANTS SHOULD WORK ON THEIR APPLICATION OFFLINE USING THE OFFICIAL TEMPLATES OF THE PROGRAMME!

THE TEMPLATES CAN BE DOWNLOADED FROM THE WEBSITE!

ONCE YOUR APPLICATION IS COMPLETE, YOU SHOULD SUBMIT IT VIA THE ON-LINE APPLICATION TOOL!

ALL DOCUMENTS MUST BE UPLOADED IN A SINGLE FILE (PREFERABLY .ZIP OR .RAR).

First call

HOME \

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On-line application tool 

Warning

Please be aware that once you press the 'submit' button in your private area in the online application tool, you will not be able to change your application! That will be considered the research proposal to be evaluated.

Applicants must submit the complete application package. **INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED!!** Applications which do not use GET templates will be considered ineligible and will be excluded from further review.

▼ Guide for Applicants

▼ Application forms

▼ Documents for evaluators

USER DATA

Name

Prueba

Surname

Prueba

Telephone

605896523

SAVE

ACTIVE CALL

1st CALL OPENED

From 2018-07-02 09:00:00 To 2018-10-01 12:00:00

2018-07-18 13:37:38

INSTRUCTIONS

Dear applicant,

Thank you for your interest in Got Energy Talent fellowship programme.

Please be sure to follow the instructions set out in the Guide for Applicants. You should have carefully read this document before applying for Got Energy Talent fellowship programme. Please make also sure that your application is complete. **INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED!** You application package should contain the following documents:

- GET_Application Forms_Administrative Form
- GET_Application Forms_CV of the Applicant
- GET_Application Forms_CV of the Research Group
- GET_Application Forms_Research proposal
- Letters of recommendation from 3 referees

You can download these documents as well as the Guide for Applicants on:
<http://gotenergytalent.uah.es/first-call/>

Please be aware that once you press the 'SEND' button, you will not be able to change your application! That will be considered the research proposal to be evaluated. All documents must be uploaded in a single file (preferably .zip or .rar - Max.10 Mb). Applications sent by email will not be considered.

Project Title

Project Title...

Project File (preferably .zip or .rar - Max.10 Mb)

Seleccionar archivo Ningún archivo seleccionado

☐ I accept [terms & conditions](#).

SEND

Screenshot of the on-line application tool – View once you have created your account

2. First call for fellowship. Eligibility

Reference date for
experience and mobility
(as well as for family
allowance) is

CALL DEADLINE!!

- ✓ Nationality: GET fellowships are open to applicants of **any nationality**.
- ✓ **Experienced Researchers**— PhD or 4 years of full-time research experience
*“Applicants must be experienced researchers as defined by MSCA rules, i.e. applicants must be in possession of a doctoral degree or have at least four years of full-time equivalent research experience by the **date of the call deadline**. Full-time equivalent research experience is measured from the date when a researcher obtained the degree which would formally entitled him/her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited, irrespective of whether or not a doctorate is or was ever envisaged”.*
- ✓ Mobility Rule – No more than 12 months in Spain in the 3 years previous to call deadline
*“Applicants must not have resided, or conducted their main activity (work, studies, etc.), in Spain for over 12 months in the 3 years **prior to the call deadline**. In this regard, compulsory national service, short stays such as holidays and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not taken into account. Applications can be made by Spanish researchers as far as they comply with the MSCA mobility rule just described.”*
- ✓ Applicants cannot be permanent employees of UAH or URJC, or any of the organisations participating

2. First call for fellowship. Evaluation criteria

A) Part A - Quality of the applicant and of the research group 70%

- ✓ Quality of the applicant (30%)
- ✓ Impact and benefit of the fellowship in his/her research career (25%)
- ✓ Quality of the hosting research group (15%)

B) Part B – Scientific quality of the project 30%

- ✓ Scientific/technological quality (25% on Part B)
- ✓ Research methodology (20% on Part B)
- ✓ Originality and innovative character of the project (20% on Part B)
- ✓ Expertise of the candidate and the hosting institutions (15% on Part B)
- ✓ Impact. Timeline and relevance of the project in the specified research areas and the regional context (20% on Part B)

Applicants will receive the IER (Individual Evaluation Report)

INDIVIDUAL EVALUATION REPORT (IER)

PART A (overall weight 70%) QUALITY OF THE APPLICANT AND OF THE RESEARCH GROUP	
[0 = Fails, missing or incomplete; 1 = Poor; 2 = Fair; 3 = Good; 4 = Very good; 5 = Excellent]	
Criterion 1.1. Quality of the applicant (overall weight 30%)	
<ul style="list-style-type: none">- Biographical sketch, including list of publications, congress communications, patents and impact factor evolution- Scientific skills and competences: knowledge areas, acquisition of new knowledge/skills throughout the career, teaching experience, soft skills.- Complementary skills and competences: project/team management/leadership experience, change of sector, and exploitation of results.- Letters of interest, references, and academic awards/honours received- Postdoctoral experience, locations, role, responsibilities- Research groups and collaborative projects, considering degree of participation/responsibility	
Score:	_____ (out of 5)
Threshold: 4	
Comments:	
Criterion 1.2. Impact and benefit of the fellowship in his/her research career (overall weight: 25%)	
<ul style="list-style-type: none">- Independent thinking and leadership qualities. Candidate's capacities to propose new research lines and to create networking for his/her research activity.- Match between the applicant's profile and the research proposal, i.e. if the candidate has based his/her career development as a researcher on the scientific area proposed in the research proposal.- Potential to acquire new knowledge. Candidate's capacities to diverse and enrich his/her research activity within the interaction with other research players in the UAH/URJC network.	
Score:	_____ (out of 5)
Threshold: 3	
Comments:	

Please carefully read the Guide for Evaluators!!

2. First call for fellowship. Wrap-up

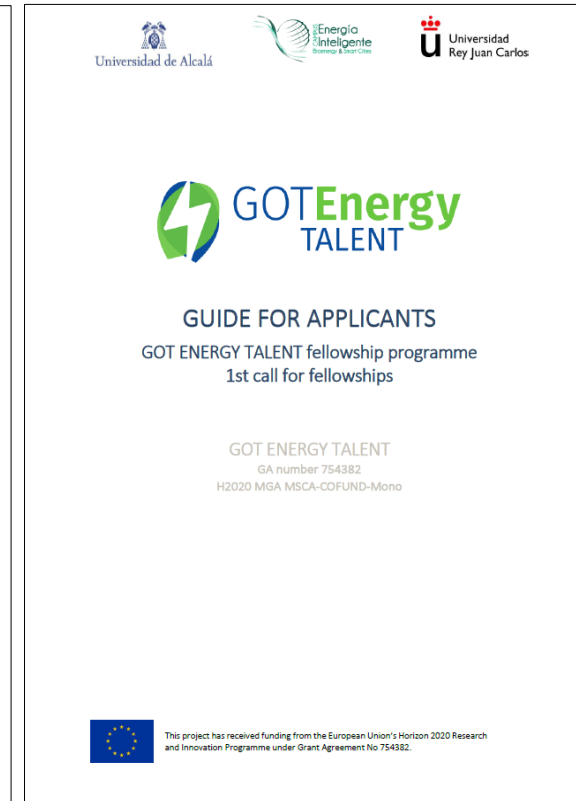
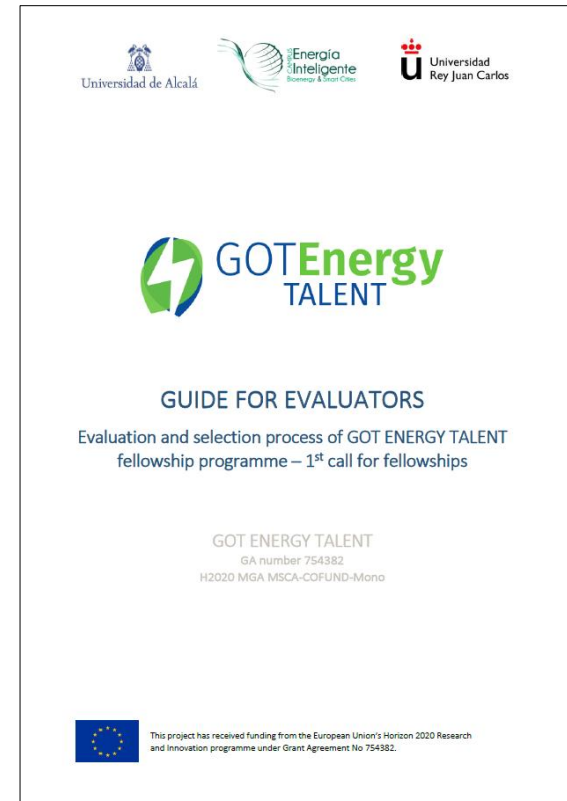


Before applying, please make sure that you have carefully read both the:

- ✓ Guide for Applicants and
- ✓ Guide for Evaluators

... and that your application is complete:

- ✓ Administrative form
- ✓ CV of the Applicant
- ✓ CV of the Research Group
- ✓ Research Proposal
- ✓ Letters of recommendation from 3 referees



4. More information

Got Energy Talent website
<http://gotenergytalent.uah.es/>

We also recommend potential applicants to read:

“Guidelines for the management of the mobility of the foreign researcher in Spain 2017”
<https://www.fecyt.es/en/publicacion/guidelines-management-mobility-foreign-researcher-spain-2017>

**Disclaimer: the information provided in this presentation is only for clarification purposes. Applicants must read the information provided in the Guide for Applicants, the Guide for Evaluators and Got Energy Talent website. In case of discrepancies or inconsistencies between the content herein and the content in the Guide for Applicants, the Guide for Evaluators or Got Energy Talent website, the latter will prevail.*





THANK YOU FOR YOUR ATTENTION!

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