

Horizon 2020
Excellent Science
Call: ERC-2015-CoG
Topic: ERC-CoG-2015
Type of action: ERC-COG
Proposal number: 681371
Proposal acronym: MAIA

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How to fill in the forms

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the previous steps in the submission wizard.



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1 - General information

Topic ERC-CoG-2015

Type of action ERC-COG

Call identifier ERC-2015-CoG

Acronym*

Proposal title*

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months*

Primary ERC Review Panel*

Secondary ERC Review Panel

(if applicable)

ERC Keyword 1*

Please select, if applicable, the ERC keyword(s) that best characterise the subject of your proposal in order of priority.

ERC Keyword 2

ERC Keyword 3

ERC Keyword 4

Free keywords



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Abstract

In 1995, the coolest stars known in the Galaxy had spectral type M9 V, and brown dwarfs were only a theoretical prediction. Twenty years later, astronomers have extended the famous OBAFGKM sequence to L, T and Y spectral types, which translate into an effective temperature range from 2200 K to only about 300 K, and found thousands of brown dwarfs in young open clusters, as companion to stars, or free floating in our solar neighbourhood.

In spite of the numerous works on late-type stars and brown dwarfs in the last two decades, there are still some major questions without definitive or precise answers, such as: Is there any universal slope of the substellar mass function? How do metallicity and age affect photospheres and colours? How do ultra-wide low-mass binaries form? Do the least massive stars have habitable exoplanets? To tackle these and numerous other issues, experts worldwide urgently need the most comprehensive, homogeneous, bias-free sample of cool and ultra-cool targets and of their astrophysical parameters.

I propose to take advantage of the forthcoming ESA's Gaia astrometric data releases, my long expertise on low-mass stars and brown dwarfs, multi-mode observations, astronomical databases and management, and the willing collaboration of numerous colleagues worldwide to set up MAIA, a public, exhaustive "M-, L- and T-dwarf Archive for Astrophysics". MAIA would far supersede, in size and accuracy, any previous cool dwarf catalogue and be an obligatory reference point for future low-mass star and brown dwarf studies. The ambitious project will not only service to the public, but also answer once for all the major open questions at the bottom of the main sequence and beyond.

Remaining characters

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In order to best review your application, do you agree that the above non-confidential proposal title and abstract can be used, without disclosing your identity, when contacting potential reviewers?

Yes No

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under the 7th Framework Programme, Horizon 2020 or any other EU programme(s)?

Yes No



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Declarations

1) The Principal Investigator declares to have the explicit consent of all applicants on their participation and on the content of this proposal.*	<input checked="" type="checkbox"/>
2) The information contained in this proposal is correct and complete.	<input checked="" type="checkbox"/>
3) This proposal complies with ethical principles (including the highest standards of research integrity — as set out, for instance, in the European Code of Conduct for Research Integrity — and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).	<input checked="" type="checkbox"/>
4) The Principal Investigator hereby declares that (<i>please select one of the three options below</i>):	
- in case of multiple participants in the proposal, the coordinator has carried out the self-check of the financial capacity of the organisation on http://ec.europa.eu/research/participants/portal/desktop/en/organisations/lfv.html or to be covered by a financial viability check in an EU project for the last closed financial year. Where the result was “weak” or “insufficient”, the Principal Investigator confirms being aware of the measures that may be imposed in accordance with the H2020 Grants Manual (Chapter on Financial capacity check) .	<input type="radio"/>
- in case of multiple participants in the proposal, the Principal Investigator is exempt from the financial capacity check being a public body including international organisations, higher or secondary education establishment or a legal entity, whose viability is guaranteed by a Member State or associated country, as defined in the H2020 Grants Manual (Chapter on Financial capacity check) .	<input type="radio"/>
- in case of a sole participant in the proposal, the applicant is exempt from the financial capacity check.	<input checked="" type="radio"/>
5) The Principal Investigator hereby declares that each applicant has confirmed to have the financial and operational capacity to carry out the proposed action. Where the proposal is to be retained for EU funding, each beneficiary applicant will be required to present a formal declaration in this respect.	<input checked="" type="checkbox"/>
The Principal Investigator is only responsible for the correctness of the information relating to his/her own organisation. Each applicant remains responsible for the correctness of the information related to him and declared above. Where the proposal to be retained for EU funding, the coordinator and each beneficiary applicant will be required to present a formal declaration in this respect.	

According to Article 131 of the Financial Regulation of 25 October 2012 on the financial rules applicable to the general budget of the Union (Official Journal L 298 of 26.10.2012, p. 1) and Article 145 of its Rules of Application (Official Journal L 362, 31.12.2012, p.1) applicants found guilty of misrepresentation may be subject to administrative and financial penalties under certain conditions.

Personal data protection

Your reply to the grant application will involve the recording and processing of personal data (such as your name, address and CV), which will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. Unless indicated otherwise, your replies to the questions in this form and any personal data requested are required to assess your grant application in accordance with the specifications of the call for proposals and will be processed solely for that purpose. Details concerning the processing of your personal data are available on the [privacy statement](#). Applicants may lodge a complaint about the processing of their personal data with the European Data Protection Supervisor at any time.

Your personal data may be registered in the [Early Warning System \(EWS\)](#) only or both in the EWS and Central Exclusion Database (CED) by the Accounting Officer of the Commission, should you be in one of the situations mentioned in:

- the Commission Decision 2008/969 of 16.12.2008 on the Early Warning System (for more information see the [Privacy Statement](#)), or
- the Commission Regulation 2008/1302 of 17.12.2008 on the Central Exclusion Database (for more information see the [Privacy Statement](#)).



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2 - Administrative data of participating organisations

Host Institution

PIC	Legal name
999991722	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Short name: CSIC

Address of the organisation

Street CALLE SERRANO 117

Town MADRID

Postcode 28006

Country Spain

Webpage <http://www.csic.es>

Legal Status of your organisation

Research and Innovation legal statuses

Public body yes

Legal person yes

Non-profit yes

International organisation no

International organisation of European interest no

Secondary or Higher education establishment no

Research organisation yes

Small and Medium-sized Enterprises (SMEs) no

Nace code 721 -



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Department(s) carrying out the proposed work

Department 1

Department name

Centro de Astrobiología

Same as organisation address

Street

INTA, carretera a Ajalvir, km 4

Town

Torrejón de Ardoz, Madrid

Postcode

28850

Country

Spain



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Principal Investigator

The following information of the Principal Investigator is used to personalise the communications to applicants and the evaluation reports. Please make sure that your personal information is accurate and please inform the ERC in case your e-mail address changes by using the call specific e-mail address:

For Starting Grant Applicants: ERC-2015-StG-applicants@ec.europa.eu

For Consolidator Grant Applicants: ERC-2015-CoG-applicants@ec.europa.eu

For Proof-of-Concept Applicants: ERC-PoC-applicants@ec.europa.eu

The name and e-mail of contact persons including the Principal Investigator, Host Institution contact are read-only in the administrative form, only additional details can be edited here. To give access rights and contact details of contact persons, please save and close this form, then go back to Step 4 of the submission wizard and save the changes.

Researcher ID

Last Name* <input type="text" value="Caballero"/>	Last Name at Birth <input type="text" value="Caballero"/>
First Name(s)* <input type="text" value="Jose"/>	Gender* <input checked="" type="radio"/> Male <input type="radio"/> Female
Title <input type="text" value="Dr."/>	Country of residence* <input type="text" value="Spain"/>
Nationality* <input type="text" value="Spain"/>	Country of Birth* <input type="text" value="Spain"/>
Date of Birth* (DD/MM/YYYY) <input type="text" value="24/02/1977"/>	Place of Birth* <input type="text" value="El Escorial, Madrid"/>

Contact address Same as organisation address

Current organisation name	<input type="text" value="CSIC"/>		
Current Department/Faculty/Institute/ Laboratory name	<input type="text" value="Centro de Astrobiología"/>		
Street	<input type="text" value="CAB, ESAC, PO Box 78"/>		
Postcode/Cedex	<input type="text" value="28691"/>	Town*	<input type="text" value="Villanueva de la Cañada, Madrid"/>
Phone*	<input type="text" value="+34918131506"/>	Country*	<input type="text" value="Spain"/>
Phone2 / Mobile	<input type="text" value="+34619652011"/>		
E-mail*	<input type="text" value="caballero@cab.inta-csic.es"/>		

Qualifications

Earliest award (PhD, Doctorate)



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Contact address of the Host Institution and contact person

The name and e-mail of Host Institution contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and contact details of Host Institution, please save and close this form, then go back to Step 4 of the submission wizard and save the changes. Please note that the submission is blocked without a contact person and e-mail address for the Host Institution.

Organisation Legal Name **AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS**

First name* **Ana María**

Last name* **de la Fuente**

E-Mail* **programas.europeos@csic.es**

Position in org.

Department

Same as organisation address

Street

Town

Postcode

Country

Phone

Phone2/Mobile



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3 - Budget

Participant Number in this proposal	Organisation Short Name	Organisation Country	Total eligible costs/€ (including 25% indirect costs) ?	Requested grant/€
1	CSIC	ES	1 999 462	1 999 462
Total			1 999 462	1 999 462

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4 - Ethics issues table

1. HUMAN EMBRYOS/FOETUSES		Page
Does your research involve Human Embryonic Stem Cells (hESCs) ?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human embryos?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human foetal tissues / cells?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2. HUMANS		Page
Does your research involve human participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve physical interventions on the study participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve invasive techniques?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
3. HUMAN CELLS / TISSUES		Page
Does your research involve human cells or tissues (other than from Human Embryos/ Foetuses, i.e. section 1)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
4. PERSONAL DATA (ii)		Page
Does your research involve personal data collection and/or processing?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve further processing of previously collected personal data (secondary use)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
5. ANIMALS (iii)		Page
Does your research involve animals?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

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6. THIRD COUNTRIES		Page
Does your research involve non-EU countries? http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-grants-manual-hi-3cpart	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)? (v)	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to import any material from non-EU countries into the EU? <i>For data imports, please fill in also section 4.</i> <i>For imports concerning human cells or tissues, fill in also section 3.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to export any material from the EU to non-EU countries? <i>For data exports, please fill in also section 4.</i> <i>For exports concerning human cells or tissues, fill in also section 3.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
If your research involves low and/or lower middle income countries , are benefits-sharing measures foreseen? (vii)	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Could the situation in the country put the individuals taking part in the research at risk?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
7. ENVIRONMENT & HEALTH and SAFETY		Page
See legal references at the end of the section. (vi)		
Does your research involve the use of elements that may cause harm to the environment, to animals or plants? <i>For research involving animal experiments, please fill in also section 5.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research deal with endangered fauna and/or flora and/or protected areas?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of elements that may cause harm to humans, including research staff? <i>For research involving human participants, please fill in also section 2.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
8. DUAL USE (vii)		Page
Does your research have the potential for military applications?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
9. MISUSE		Page
Does your research have the potential for malevolent/criminal/terrorist abuse?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
10. OTHER ETHICS ISSUES		Page
Are there any other ethics issues that should be taken into consideration? Please specify	<input type="radio"/> Yes <input checked="" type="radio"/> No	



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I confirm that I have taken into account all ethics issues described above and that, if any ethics issues apply, I will complete the ethics self-assessment and attach the required documents.



[How to Complete your Ethics Self-Assessment](#)



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5 - Call specific questions

Academic Training	
Are you a medical doctor or do you hold a degree in medicine? Please note that if you have also been awarded a PhD, your medical degree may be your first eligible degree.	<input type="radio"/> Yes <input checked="" type="radio"/> No
Date of earliest award (PhD or equivalent)* - DD/MM/YYYY	<input type="text" value="27/03/2006"/>
With respect to the earliest award (PhD or equivalent), I request an extension of the eligibility window, (indicate number of days) [see the ERC 2015 Work Programme and the Information for Applicants to the Starting and Consolidator Grant 2015 Calls].	<input type="radio"/> Yes <input checked="" type="radio"/> No
Eligibility	
I acknowledge that I am aware of the eligibility requirements for applying for this ERC call as specified in the ERC Work Programme 2015, and certify that, to the best of my knowledge my application is in compliance with all these requirements. I understand that my proposal may be declared ineligible at any point during the evaluation or granting process if it is found not to be compliant with these eligibility criteria.*	<input checked="" type="checkbox"/>
Data-Related Questions and Data Protection (Consent to any question below is entirely voluntary. A positive or negative answer will not affect the evaluation of your project proposal in any form and will not be communicated to the evaluators of your project.)	
For communication purposes only, the ERC asks for your permission to publish your name, the proposal title, the proposal acronym, the panel, and host institution, should your proposal be retained for funding.	<input checked="" type="radio"/> Yes <input type="radio"/> No
Some national and regional public research funding authorities run schemes to fund ERC applicants that score highly in the ERC's evaluation but which can not be funded by the ERC due to its limited budget. In case your proposal could not be selected for funding by the ERC do you consent to allow the ERC to disclose the results of your evaluation (score and ranking range) together with your name, non-confidential proposal title and abstract, proposal acronym, host institution and your contact details to such authorities?	<input checked="" type="radio"/> Yes <input type="radio"/> No
The ERC is sometimes contacted for lists of ERC funded researchers by institutions that are awarding prizes to excellent researchers. Do you consent to allow the ERC to disclose your name, non-confidential proposal title and abstract, proposal acronym, host institution and your contact details to such institutions?	<input checked="" type="radio"/> Yes <input type="radio"/> No
The Scientific Council of the ERC has developed a monitoring and evaluation strategy in order to help it fulfil its obligations to establish the ERC's overall strategy and to monitor and quality control the programme's implementation from the scientific perspective. As provided by section 3.10 of the ERC Rules for Submission, a range of projects and studies may be initiated for purposes related to monitoring, study and evaluating the implementation of ERC actions. Do you consent to allow the third parties carrying out these projects and studies to process the content of your proposal including your personal data and the respective evaluation data? The privacy statement on grants (http://erc.europa.eu/document-library) explains further how your personal data is secured.	<input checked="" type="radio"/> Yes <input type="radio"/> No



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Excluded Reviewers

You can provide up to three names of persons that should not act as an evaluator in the evaluation of the proposal for potential competitive reasons.