

2018



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FEM INTERNATIONAL DOCTORAL PROGRAM INITIATIVE

CO-FUNDS INTERNAL CALL SPRING 2018

This document contains the call, evaluation criteria, and template to be filled in by applicants to the FEM INTERNATIONAL DOCTORAL PROGRAM INITIATIVE –co-funds internal call - Spring 2018.

Please save it in PDF format as: YOUR SURNAME_PhD cofunds call spring 2018 and send it to phd.fem@fmach.it by 28/02/2018.

CALL

FEM International Doctoral Program Initiative is pleased to announce its new call for **10 co-funds for PhD projects**. The aim of the call is to strengthen and stimulate FEM research activities and support the development of new strategic initiatives. The call is open to all research areas of FEM, and to fundamental as well as industrial research projects. Only proposals with evidence of an external financial support able to cover remaining stipend (and/or research) costs will be considered. The call for projects is open to all eligible research scientists at CRI¹ (**one submission only per applicant**). Please notice that:

1. FEM will provide a support of up to € 12,500x3 years (up to € 37,500 in total). Consequently, external financial support will be required to cover remaining stipend and research activities costs for a PhD student (see below under: Selection of PhD scholar).
2. The proponent is required to provide evidence of his/her ability to cover remaining stipend and other research costs (in particular, consumables). If this is to be done through the FEM budget, an Institutional budget holder (i.e. Head of Unit) must also sign the application, confirming his/her willingness to provide financial support to the project.

Selection of successful projects will be based on the Horizon 2020 criteria: i) excellence (50% of the final score); ii) impact (30% of the final score); iii) implementation (20% of the final score). For more information, please refer to Criteria of Evaluation (see Attachment 1).

PhD projects submission

Eligible FEM-based research scientists may submit PhD projects through the form attached to this call (see Attachment 2). A CV of the proponent, which should also list experience with PhD students, must be attached. In addition, a letter of commitment confirming the external financial support is required. Candidates selected under the 2017 FIRST calls, who have not yet completed the process of the assignment of the co-funded PhD scholarship, are not eligible to apply. The deadline for submission is the **28th February 2018**. The proposals will be evaluated by an Expert Committee (a call will be open to collect experts' candidatures, which can include also external reviewers).

To submit your project and to obtain assistance please use the e-mail account: phd.fem@fmach.it.

Selection of PhD scholar

Please notice that FEM is not able any more to issue PhD scholarships. Consequently, incoming PhD students will be hired by partner institutions (selecting the candidate, possibly issuing PhD scholarship, and receiving FEM and its co-sponsor contribution on the basis of a bilateral agreement). Consequently, applicants are requested to provide evidence of a co-sponsorship able to cover the difference among the FEM co-fund and the expected costs of the chosen institution.

¹ Eligible CRI scientists are: CRI and C3A personnel with permanent contract as researcher or technologists level 3 or higher.

ATTACHMENT 1

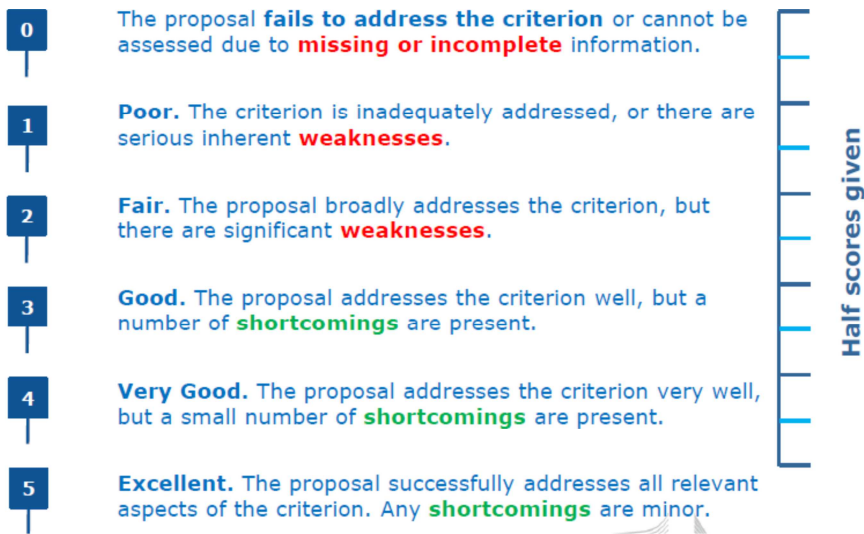
Evaluation criteria

Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)	Enhancing research- and innovation-related human resources, skills, and working conditions to realize the potential of individuals and to provide new career perspectives	Overall coherence and effectiveness of the work plan , including appropriateness of the allocation of tasks and resources (objectives, tasks, deliverables, milestones)
	Impact on the Province of Trento (as benefits for food quality, agriculture, environment; involvement of industries, etc.)	Appropriateness of the management structures and procedures , including quality management and risk management
Quality of the supervision and the hosting arrangements Quality of supervision will serve as preferential requisite.	Quality of the proposed measures for results dissemination	Competences, experience and complementarity of the participating organisations and institutional commitment
Capacity of the student to reach a position of professional maturity in research	Exploitation of results (scientific advancement, methods, patents, industrial process,)	Appropriateness of the institutional environment (infrastructure and competences)
Weighting		
50%	30%	20%
1	2	3
Priority in case of ex aequo:		
1. proposal with the higher excellence score 2. proponent with the higher external fundraising success		

Score Range

- Very Good to Excellent (5)
- Good to Very Good (4)
- Fair to Good (3)
- Insufficient to Fair (2)
- Insufficient (1)

Interpretation of the scores



Evaluation Sheet

Criterion	Score	Reason (max 330 charact.)
Excellence (50% of the final score)	Average of subcriteria	
Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)		
Quality of the supervision and the hosting arrangements		
Capacity of the student to reach a position of professional maturity in research		
Impact (30% of the final score)	Average of subcriteria	
Enhancing research- and innovation-related human resources, skills and working conditions to realize the potential of individuals and to provide new career perspectives		
Impact on the Province of Trento (as benefits for food quality, agriculture, environment; involvement of industries, etc.)		
Quality of the proposed measures for results dissemination		
Exploitation of results (scientific advancement, methods, patents, industrial process,)		
Implementation (20% of the final score)	Average of subcriteria	
Overall coherence and effectiveness of the work plan , including appropriateness of the allocation of tasks and resources (objectives, tasks, deliverables, milestones)		
Appropriateness of the management structures and procedures , including quality management and risk management		
Competences, experience and complementarity of the participating organisations and institutional commitment		
Appropriateness of the institutional environment (infrastructure and competences)		
TOTAL		

ATTACHMENT 2

Proposal Template

START PAGE

FEM INTERNATIONAL DOCTORAL PROGRAM INITIATIVE

Internal Call: Spring 2018

“TITLE”

“ACRONYM”

ABSTRACT (max 1500 characters; please include: context, objective, expected results)

TABLE OF CONTENTS

Proposal, applicants must follow the structure outlined hereafter.

START PAGE (1 page)

DETAILS OF FEM TUTOR

DETAILS OF SPONSOR(S), UNIVERSITY AND OTHER PARTICIPATING ORGANISATION(S)

START PAGE COUNT (MAX 5 PAGES SECTIONS 1-3)

1. EXCELLENCE
2. IMPACT
3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

STOP PAGE COUNT (MAX 5 PAGES SECTIONS 1-3)

4. CV OF THE FEM TUTOR
5. CENTRO DI COSTO
6. LETTER(S) OF COMMITMENT OF SPONSOR AND PARTNER ORGANISATION(S)
7. CHECKLIST

Please note that:

- *Applicants must ensure that document does not exceed the given total page limit. The Start Page must consist of 1 page. Cited literature, Gantt chart and any graphical representation must be counted in the page limit. Evaluators will be instructed to disregard any excess pages above the page limit. Such excess pages will be watermarked.*

Details of the FEM tutor

Last name	
First name(s)	
Position in CRI	
Centre	
Research Unit	
Department	

Details of the sponsor(s)¹

Last name	
First name(s)	
Email	
Organisation	
Role in the organisation	
Address	
Contact person last and first name (if different)	
Contact person email	

Details of the University

University	
Faculty/Department/Unit	
Address	
Country	
PhD tutor (first and last name)	
Email	
Expected time of the admission (MM//YYYY)	
Duration of the PhD (i.e. 3, 4 years)	
PhD fees (in euros)	

Details of hosting laboratory(ies)²

Organisation name	
Address	
Country	
PhD supervisors (first and last name)	
Email	
Expected number of months	

¹ Please notice that FEM is only able to provide a financial support of up to € 12,500x3years. Accordingly, a letter of commitment must be attached to this application to confirm the willingness of the sponsor to co-finance the remaining costs of PhD project.

² Please provide a list of all participating organisations (where the student will spend part of his/her PhD) indicating the legal entity, research to be done and justification and the supervisor. If a secondment in Europe is planned but the partner organisation is not yet known, as a minimum the type of organisation foreseen (academic/non-academic) must be stated

1. Excellence

1.1 Quality and credibility of the research/innovation action (level of novelty, appropriate consideration of inter/multidisciplinary and gender aspects)

You should develop your proposal according to the following lines:

- Introduction, state-of-the-art, objectives and overview of the project
- Research methodology and approach: highlight the type of research / innovation activities proposed
- Originality and innovative aspects of the research programme: explain the contribution that the project is expected to make to advancements within the research field. Describe any novel concepts, approaches or methods that will be employed.
- The gender dimension in the research content (if relevant)
- The interdisciplinary aspects of the action (if relevant)
- Explain how the high-quality, novel research is the most likely to open up the best career possibilities for the *student* and new collaboration opportunities for FEM.

1.2 Quality and appropriateness of the training

Describe the training that will be offered: explain how the student will gain new knowledge during the fellowship at the hosting organisation(s)

Outline the previously acquired knowledge and skills that the preferred candidate student must have.

1.3 Quality of the supervision

- Qualifications and experience of the supervisor(s)

Provide information regarding the supervisor(s): the level of experience on the research topic proposed and their record of accomplishment, including main international collaborations, as well as the level of experience in supervising PhD students. Information provided should include participation in projects, publications, patents and any other relevant results. The quality of supervision will serve as preferential requisite.

- Hosting arrangements

The application must show that the experienced researcher will be well integrated within the team/institution of FEM in order that the maximum knowledge and skills from the fellowship is gained. Indicate how the student will contribute to the research of the unit.

2. Impact

2.1 Enhancing the potential and future career prospects of the student

Explain the expected impact of the planned research and training on the future career prospects of the student after the PhD. Which new competences will be acquired?

2.2 Impact on the Province

Explain the expected impact of the planned research and training on the Province of Trento. Relevance of the project to research priority areas defined by the plurennial research plan of the Province of Trento.

2.3 Quality of the proposed measures to exploit and disseminate the action results

Describe how the new knowledge generated by the student will be disseminated and exploited, e.g.: communicated, transferred into other research settings or, if appropriate, commercialized.

What is the dissemination strategy – publication, oral/poster presentations - to disseminate the result of the PhD?

Exploitation of results: indicate if the PhD is expected to give, in particular if the results are either planned to be exploited commercially or/and made accessible to the end-user or public.

3. Quality and Efficiency of the Implementation

3.1 Coherence and effectiveness of the work plan

The proposal should be designed in such a way to achieve the desired objectives. A Gantt Chart should be included in the text listing the following:

Objectives

1.

2.

3.

....

Tasks

1.

2.

3.

....

Deliverables (description, type, month of delivery)

1.

2.

3.

....

Milestones

1.

2.

.....

Secondment in the hosting lab

From (month) to (month)

Where

Activity

Risks and actions

1.

2.

3.

....

Example Gantt Chart

Reflecting work package, secondments, training events and dissemination / public engagement activities

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
<i>Tasks</i>																																						
<i>Deliverables</i>																																						3
<i>Milestone</i>																																						
<i>Secondment</i>																																						
<i>Conference</i>																																						
<i>Publications</i>																																						
<i>Seminars</i>																																						
<i>Other Dissemination</i>																																						
<i>Other</i>																																						

Delete rows and columns that do not apply.

3.2. Appropriateness of the allocation of tasks and resources

Describe how the work planning and the resources (from AdP or other projects) mobilized will ensure that the research and training objectives will be reached.

Explain why the amount of time is appropriate in relation to the activities proposed.

3.3 Appropriateness of the supervising structure and procedures, including risk management

Please describe the organisation and supervising structure, as well as the progress monitoring mechanisms put in place, to ensure that objectives are reached.

3.4 Appropriateness of the institutional environment (infrastructure)

FEM:

- Describe the infrastructure, logistics, facilities offered as far they are necessary for the good implementation of the PhD.

University:

- Describe the PhD training, infrastructure, logistics, facilities offered, as far they are necessary for the good implementation of the PhD.
- If available, please indicate the university where the PhD student could register and available/relevant information concerning: - duration of the PhD programme; - admission deadline relevant for this call; - approximate cost of tuition fees per year in euro.

Hosting lab(s):

Ideally, PhD students should receive part of their training/perform part of their research in an external laboratory/institute (although this is not a compulsory requirement). If a hosting laboratory is indicated in the proposal, evidence of the willingness of this institute to receive the PhD candidate must be provided by the tutor/head of the hosting laboratory/institute (NB. the host institution is not necessarily the same as the University issuing the degree).

- Describe the infrastructure, logistics, facilities offered, as far they are necessary for the good implementation of the PhD.
- Indicate why the lab is suited, what the student will learn, etc.

STOP PAGE COUNT – MAX 5 PAGES

4. CV of the FEM tutor

	N.	
N. publications ISI WoS		
Citations		
N. of PhD students supervised in the career, and N. of student currently under supervision		First and Last name of the student, University, years
Position in the authorship list of publications obtained with previous PhD projects		Please insert the n. of articles/papers/other publications obtained as part of the PhD thesis where the tutor appears as first name
Participation in International and national projects		Title, funding agency, budget to FEM (in Euros)
Coherence of the supervisor's competence and skills with the proposed PhD program		

5. Details about the “responsabile del centro di costo”

Last name	
First name(s)	
Position	
Centre	
Research Unit	
Department	
I agree to financially support the project through the budget of the Unit	
I agree to participate on the PhD Advisory Committee	

6. Letter(s) of commitment of the sponsor/other institutions

7. Checklist for the proponent

The eligibility criteria, for both the tutor and the project, are respected	YES	
The “internal call” form is fully completed	YES	
The proponent's cv is attached	YES	
The “ <i>responsabile di centro di costo</i> ” signed this	YES	

form where necessary		
The letter of commitment from the co-funding institute is attached	YES	
A letter from the host laboratory is attached	YES	
The deadline for submission is met	YES	
The form is saved in PDF format as "YOUR SURNAME_cofunds call spring 2018"	YES	
The template is sent to phd.fem@fmach.it	YES	