Project HEaD “Higher education and development” Operazione 2

“Call for project” for companies

The Università degli Studi di Udine, the Università degli Studi di Trieste and the Scuola Internazionale Superiore di Studi Avanzati di Trieste, by implementing the project HEaD “Higher education and development”, Operazione 2 – financed by POR FSE 2014-2020 Asse 3 Programma specifico n. 25 (Decree of the autonomous Region Friuli Venezia Giulia n. 282/LAVROU dated 01.02.2016) – aim at:

a) strengthening the scientific system of Friuli Venezia Giulia and its attractiveness, even at an international level;

b) promoting the relationships between the university and research system and the economic, productive and social network;

c) strengthening the research and innovation demand by the economic system and the strengthening of the processes of technology transfer and innovation dissemination in order to achieve objectives of competitiveness;

d) contributing to the employment of candidates, placing them from the earliest stages of their academic training in projects of scientific value;

e) supporting training in research and knowledge transfer to the economic, productive and social network.

1. Purposes and objectives

The HEaD public announcement is aimed at selecting research projects submitted by companies that shall be carried out through the support of research fellows (art. 22 of law 240/2010).

The number of fellowships or the annual fellowships available and the relevant duration are listed in Annex 1.

The projects shall be pursuant to the smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories and comply with any other requirement listed in Annex 1.

Full details about the project activity developed by the research fellows are listed in Annex 1.

2. Application and selection procedure
The application procedure consists of two stages, both carried out by public announcements, one for the companies and one for the research fellows (research fellowship holder).

**Stage one**

Companies possessing the requisites set out in art. 3 may apply and submit the project proposals that shall be carried out by the research fellows.

Each regional university shall check the proposals received according to the criteria set out in art. 5 through its own Examining Board (one Examining Board for each S3 area for which project proposals have been received or one Examining Board for each Call for projects)

Each University shall publish on the relevant official bulletin the results of the selection procedure for the applications and shall send the relevant communications to the companies concerned.

**Stage two**

Following the signature of the agreement governing the relationships between the selected companies and the Universities (Annex 2) the regional Universities shall:

- Publish the public announcements for the award of the research fellowships, according to the regulations of each University governing the matter;
- Evaluate the application through Examining Boards according to the requisites and their relevance to the project proposals.

The regional universities shall publish the evaluation results on their official bulletins, shall send the relevant communications and shall sign the contract with the research fellows.

**3. Companies requisites**

The selection procedure can be accessed by companies which

- have their legal or operational headquarters in Friuli Venezia Giulia
- are in possession of the subjective requisites foreseen for the award of public work, supplies and services contracts and not to be in a situation of exclusion according to art. 80 Legislative Decree 50/2016 and following amendments.

The selected companies shall grant to the research fellow access to the facilities and instruments needed for the research project and a tutoring service carried out by their own employees. The University shall remain responsible for coordinating and supervising the research activity through its research or teaching staff.

**4. Application and deadlines**

Companies shall submit their application completing and sending the attached to the announcement (Annex 3) by 12.00 (midday) of 31 January 2017 as set out in Annex 1.

Each company may be granted 3 research fellowship for each University, provided that they refer to different research projects.
The form shall be signed by the company legal representative and shall be accompanied by an expression of interest to realize the research project by the researcher/professor (who shall act as supervisor of the research fellow), as indicated in the application.

All the details submitted for the selection procedure shall be used by the regional Universities exclusively for the requirements of this announcement.

All communication and information exchange relevant to this selection procedure shall be made in writing by PEC or E-mail or registered letter.

5. Evaluation procedure and criteria

All applications received shall be checked in order to verify the possession of the requisites set out in art. 3 and that the application has been received within the deadline set out in the announcement. Applications that shall be excluded shall receive formal communication of exclusion.

To order to proceed with the evaluation each University shall appoint Examining Boards according to the provisions of art. 2. The appointment of Examining Boards shall be made after the deadline for the submission of application.

Applications shall be divided into thematic areas and evaluated by the Examining board according to the criteria set out in Annex 1.

Each Examining Board can award a maximum of 100 points (100/100). Research projects which obtains the total minimum score of 70/100 shall be considered eligible, following the classification list, until the available budget is used up.

Projects not pursuant to the smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories indicated in the application form shall not be admitted to the selection procedure.

At the end of the evaluation procedure the list of the applications retained for funding and those eligible shall be published in the official bulletin of the relevant University.

6. Privacy and confidentiality

All data and information submitted by the companies shall be processed according to Legislative Decree 196/2003 exclusively for the purposes of the announcement. The data shall be submitted to the autonomous region Friuli Venezia Giulia for purposes relevant to management and financial reporting of the project HEaD and shall not be disclosed. All information and any documents submitted by the companies shall be considered as confidential information.

Each party shall not use the confidential information of the other party for purposes other than those of the announcement. Each party shall not disclose confidential information to third parties.

7. Intellectual property

Any results of the research activity that may give rise to patenting and/or intellectual property protection developed by the research fellow shall belong to the relevant regional University, possibly in co-ownership with the company provided that it has effectively contributed to the development of the innovative solution with the inventive contribution of its own employees.
Projects:
The projects submitted by each company shall foresee that the research activity is carried out in the Friuli Venezia Giulia region, at the premises of the company. Projects may foresee that the research activity is carried out at SISSA research facilities and abroad. The periods abroad, if foreseen by the research project, shall not exceed 1/3 of the total duration of the project.

Research project 1

SISSA Area: Physics  
Duration: 24 months  
Name of the scientific tutor: Prof. Alessandro Laio  
Competition sector: 02/B2 Theoretical Physics of matter  
Academic scientific sector: FIS/03 Physics of matter  
Smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories: Agri-Food: Chemical Analysis: The development of innovative techniques for the chemical analysis of food and the reuse of waste

Research project 2

SISSA Area: Mathematics  
Duration: 12 month  
Name of the scientific tutor: Prof. Gianluigi Rozza  
Competition sector: 01/A5 Numerical analysis  
Academic scientific sector: MAT/08 Numerical analysis  
Smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories: Maritime Technologies: Methodologies for the design and development of new products, processes and services, “Green” technologies and energy efficiency and Technology for safety

Research project 3

SISSA Area: Mathematics  
Duration: 24 months  
Name of the scientific tutor: Prof. Antonio De Simone  
Competition sector: 01/A5 Numerical analysis and 08/B2 construction science  
Academic scientific sector: MAT/08 numerical analysis and ICAR/08 construction science  
Smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories: Strategic productios chains, Metalworking system: Technologies for the numerical modelling of processes and products and Intelligent machines

Research project 4

SISSA Area: Neuroscience  
Duration: 12 months  
Name of the scientific tutor: Prof. Davide Zoccolan  
Competition sector: 11/E1 General Psychology, Psychobiology and Psychometry, 09/H1 Information processing systems  
Academic scientific sector: M-PSI/02 Psychobiology and Physiological psychology; ING-INF/05 Information processing systems
Submission of projects:
The companies shall send the relevant form, fully filled in, by 12:00 (midday) of 31 January 2017 by PEC (certified e-mail) to the address protocollo@pec.sissa.it or by hand delivery to the SISSA Research Funding and International Relations Office from Monday to Friday (working days only) from 9 am to 13pm except on the date of expiration, when applications must be submitted by 12:00 (midday).
The form shall be signed by the legal representative of the company or his delegate.
Each company shall enclose to the form copy of the documents stating the power to sign of the subscriber.
If sent by PEC the form shall be digitally signed or shall bear the scan of the signature. In this case a copy of the valid ID of the subscriber shall be enclosed.
If hand delivered the form shall bear the signature of the legal representative in original. In this case a copy of the valid ID of the subscriber shall be enclosed.
Annex 4 (Affidavit) fully filled in and duly signed shall be enclosed to the project.

Examining Boards:
SISSA shall appoint one Examining Board for each S3 Area for which project proposals have been received or one Examining Board for each Call for projects. Examining boards are composed of a minimum of three members and a maximum of 7 members, chosen among professors and researcher of SISSA or of the University of Udine or Trieste. SISSA reserves the right to choose, besides its own researchers/Professors, external experts possibly belonging to the clusters and/or scientific and technological parks managing bodies.
The members of the Examining Board cannot be engaged
- in technical and organisational secretariat activities, financial monitoring and reporting concerning the implementation of this Operation, Operation 2 and 3 and Group 2 of the regional decree (indicated in the premises of the Italian Directorial Decree)
- in the supervision (scientific tutors of the research fellows) in projects for which they have been members of the relevant Examining Board.

Evaluation criteria:
Innovativeness: the examining Board shall evaluate to which extent the project tackle important problems in the specific field and proposes sufficiently ambitious objectives, which go far beyond the current state of the art (maximum score: 35 points)
Methodology – feasibility of the proposed methodology: the examining Board shall evaluate the proposed methodology (maximum score: 30 points)
Impact of the research: the examining Board shall evaluate to which extent the results and the new knowledges resulting from the project may significantly impact the relevant production system (maximum score: 35 points)

Section “Description of the research and development capabilities of the company” shall be evaluated as per the methodology feasibility of the “Methodology – feasibility of the proposed methodology” evaluation criteria.
Annex 2 – Document of understanding SISSA (art. 2 Call for Project)

To (company name)

address

Subject: document of understanding

We hereby inform that the project proposal “_______________”, with a duration of ___ months, has been selected.

SISSA shall publish the announcement for the selection of the research fellow who will develop the project proposal. At the end of the selection procedure SISSA shall communicate the name of the fellow and shall enter into the relevant contract with the selected fellow.

The company shall guarantee the tutoring service and the support to the research activity of the research fellow through the spaces, instruments and material indicated in the proposal and through a company tutor chosen among its own employees.

SISSA shall coordinate and supervise the project activities through Prof./Dr. ______ together with the company tutor ___________

The research fellow shall develop the research activity according to the objectives indicated in the company project. Any amendment to the project activities shall be agreed between Prof. Dr. ______ and the company tutor _________

The research fellow shall submit monthly, quarterly, annual reports and a final report that shall be validated by Prof./Dr. ______ and by the company tutor _______ and sent to the SISSA Research Funding and International Relations Office according to the deadlines and the provisions which shall be defined in the announcement for the granting of the research fellowship.

The research activity of the fellow shall be carried out in Friuli Venezia Giulia at the premises of ... (here SISSA shall list the address/es where the research activity shall take place according to the project. The research activity developed by the fellow shall be carried out mainly in Friuli Venezia Giulia at the premises of the selected company. If foreseen by the project, the activity shall be carried out at the research facilities of SISSA or abroad. The periods abroad, if foreseen by the research project, shall not exceed 1/3 of the total duration of the project)

Research fellows are covered by insurance coverage against accidents in the workplace and for third party liability while carrying out their research work.
All information and any documents submitted by the company shall be dealt with as confidential. Each party shall use the confidential information of the other party exclusively for the purposes of the announcement. Each party shall not disclose confidential information to third parties.

Any results of the research activity that may give rise to patenting and/or intellectual property protection developed by the research fellow shall belong to the relevant regional University, possibly in co-ownership with the company provided that it has effectively contributed to the development of the innovative solution with the inventive contribution of its own employees.

Kind regards

__________________________

For acceptance by the company
The legal representative

__________________________
Annex 3 – Proposal submission SISSA

To the Director
SISSA
Via Bonomea, 265
34136 Trieste

Subject: proposal submission project HEaD – Call for project Operation 2

Company details

Name:
Vat code/ Tax code:
ATECO code:
Name and surname of the legal representative:
Name, surname and phone number of the person in charge of filling in this form:
Legal headquarter:
Operational headquarter: (if the legal headquarter is outside Friuli Venezia Giulia):
Certified e-mail:
Number of employees:
Short description of the company activity (max 500 characters):
Description of the research and development capabilities of the company (max. 5,000 characters)

Description of the project proposal

Project title:
Relevant smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories:
Project duration (in months):
Project objectives time schedule – GANTT (max 5,000 characters):
Activity plan – divided in Work Packages – WP (max 10,000 characters):
<table>
<thead>
<tr>
<th><strong>Expected results at the end of the project (max 5.000 characters):</strong></th>
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<tbody>
<tr>
<td><strong>Research impact on the relevant productive sector (max 5.000 characters):</strong></td>
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<tr>
<td><strong>Added value for the company (for instance: company, employee and sector growth prospective (max 5.000 characters):</strong></td>
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<tr>
<td><strong>Abstract (max 15.000 characters):</strong></td>
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<tr>
<td><strong>Spaces, instruments and materials available to the fellow:</strong></td>
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<tr>
<td><strong>Company tutor (name and surname, e-mail, phone, place and date of birth, tax code):</strong></td>
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<td><strong>SISSA Area:</strong></td>
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<tr>
<td><strong>SISSA Tutor:</strong></td>
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<td><strong>Project academic scientific sector:</strong></td>
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The undersigned declares that in the framework of the “call for project” of the project HEaD, Operation 2, the project detailed in section “Description of the project proposal” shall be submitted exclusively to SISSA.

The undersigned declares to have read and understood the announcement published with Directorial Decree ____ and if the project proposal is selected undertakes to

- Grant the research fellow access to spaces, instruments and material indicated in this application;
- Sign with the relevant University the Document of Understanding in order for the University to start the selection procedure for the research fellow.

The expression of interest to the project by Prof./Dr. ____ is enclosed to this proposal.

Date

(Company name)

(Address)

(Name and Surname of the company legal representative)

Signature of the legal representative

________________________
Annex 4 – Affidavit SISSA

To
Scuola Internazionale Superiore di Studi Avanzati
Via Bonomea n.265
34136 Trieste

Subject: HEaD project – Call for project Operation 2

I the undersigned ____________________________________ born in ______________________ on ________________, resident in (full official address) ________________________________________________, acting as ____________________ of the company (full official name) ___________________________ with registered address in (town, locality) ________________________________ , full official address ________________________________________________,

ZIP CODE ___________, (tel. n._________________________, telefax n. __________________), Certified email address ________________________________________________, Italian Tax code __________________________________, VAT registration number _________________________,

under its sole responsibility, and being aware of the penalties as per article 496 of the Italian Penal Code combined with art.76 of Italian Presidential Decree 445/2000\(^1\) in case of false statements,

DECLARES

in accordance with articles 46 and 47 of the Italian D.P.R. 445/2000\(^1\)

a) that the Company is registered in the Registro delle Imprese at the competent Camera di Commercio, Industria, Artigianato ed Agricoltura (or, in the case of companies established abroad, membership in one


of equivalent professional or trade registers of the State of residence referred to in article 83, comma 3 of D.Lgs 50/2016\(^2\); 

b) the non-existence of causes of exclusion according to the exclusion criteria of article 80 of the Italian D.Lgs. 50/2016\(^2\); 

c) to be in compliance with the rules governing the right to work of persons with disabilities, as provided for by Italian Law 68/1999\(^3\); 

d) that there are no grounds for revocation, suspension or prohibition as provided for in Article 67 of D.Lgs 159/2011\(^4\), nor any attempt to Mafia infiltration according to article 84, comma 4, of the same Decree; 

e) the non-existence of the prohibition to enter into a contract with public administration as provided for in article 53, comma 16-ter, of the Italian D.Lgs. 165/2001\(^5\); 

f) to have complied with all the provisions foreseen by current regulations on safety and hygiene practices at work (D.Lgs 81/2008\(^6\) and related laws and regulations), and in particular to have established the Health and safety service, to have appointed its Responsible, to have carried out the Health and safety risk assessment and to have adopted all the preventive and protective measures against these risks, and to have duly informed the workers; 

g) not to have committed serious breaches of legislation on health and safety in the workplace, including the obligations under art. 30 of Italian D.Lgs. 50/2016\(^2\); 

h) (for cooperatives only) that the Company is registered in the Albo Nazionale delle Società Cooperative/Registro Regionale delle Cooperative\(^7\) with the following Statutory registration numbers:_______________________________________________________________________________

i) (only for consortia of cooperatives) that the consortium is registered in the General Register of Cooperation at the Italian Ministry of Labor, with the following Statutory registration numbers:_________________________________________ 

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\(^2\) D.Lgs 18.04.2016 n.50 “Attuazione delle direttive 2014/23/UE, 2014/24/UE e 2014/25/UE sull'aggiudicazione dei contratti di concessione, sugli appalti pubblici e sulle procedure d'appalto degli enti erogatori nei settori dell'acqua, dell'energia, dei trasporti e dei servizi postali, nonché per il riordino della disciplina vigente in materia di contratti pubblici relativi a lavori, servizi e forniture” 

\(^3\) L. 12.03.1999, n.68 – “Norme per il diritto al lavoro dei disabili”. 

\(^4\) D.Lgs 09.04.2011, n.159 – “Codice delle leggi antimafia e delle misure di prevenzione, nonché nuove disposizioni in materia di documentazione antimafia, a norma degli articoli 1 e 2 della legge 13 agosto 2010, n.136”. 

\(^5\) D.Lgs. 30.03.2001, n.165 – “Norme generali sull'ordinamento del lavoro alle dipendenze delle amministrazioni pubbliche”. 


\(^7\) Delete where inapplicable
to be informed, in accordance with and for the purposes of D.Lgs. 196/2003\textsuperscript{8} and subsequent amendments, that the personal data will be treated, including by computer, exclusively within the procedure for which the present declaration is requested.

Date  

Read, confirmed and signed  

\textbf{Stamp and signature of the legal representative}  

\textsuperscript{8} D.lgs 30.06.2003 n.196 “Codice in materia di protezione dei dati personali”.  

\textsuperscript{9}Attach a photocopy of a valid identity document of the signee, under Article 38 of the Italian D.P.R. 445/2000 and, in the case of prosecutor, also attach the original or a certified copy of the power of attorney.