



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE

Area dei Servizi Istituzionali  
Settore Servizi agli studenti e alla didattica  
Ufficio Dottorati di ricerca

ATTACHMENT 10

LAST REVISED 10/07/2020

**DOCTORAL PROGRAMME in  
EARTH SCIENCE, FLUID-DYNAMICS AND MATHEMATICS. INTERACTIONS AND METHODS  
ADMISSION INFORMATION**

See [Overview](#)

**Disclaimer:** the tables below provide a quick outline of due dates and required documents. Please refer to the [Notice of Competition](#) for full information on conditions for applying.

REQUIREMENT	DEADLINE
online application and upload of documents	<b>17 June 2020 1:00 p.m. (Italian time)</b>
payment of the admission exam fee	<b>17 June 2020</b>
<i>for Italian degrees:</i> deadline for graduation	<b>31 October 2020</b>
<i>for foreign degrees:</i> deadline for graduation	<b>12 October 2020</b>
upload of foreign diploma or certificate	<b>17 June 2020</b> (if available after 17 June, please send it by email to <a href="mailto:dottorati@amm.units.it">dottorati@amm.units.it</a> within 15 October)

<b>Documents to be uploaded</b>	Mandatory -- Optional
NOTE: applications sent without the mandatory attachments will not be processed	
<b>1. proof of identity</b> (eg passport)	<b>mandatory</b>
<b>2. curriculum vitae et studiorum</b> , focusing on experience prior to the PhD and on degree thesis activity (description of techniques acquired, personal contribution, etc)	<b>mandatory</b>
<b>3. university qualifications:</b> a. for graduates and near-graduates <b>in Italy:</b> I) self-certification of all examinations and relevant scores of second-cycle degree programme, i.e. <i>Laurea magistrale (LM)</i> , <i>Laurea specialistica (LS)</i> or <i>Laurea vecchio ordinamento (LVO)</i> II) self-certification of LM, LS or LVO final mark (only for graduates). <a href="#">Self-certifications</a> can be drafted using the form available online, or using the online services of the concerned University. b. for graduates and near-graduates <b>from abroad:</b> I) Transcript of Records including examinations and scores obtained. Where applicable, a	<b>mandatory</b>

<p><b>Diploma Supplement</b> can be submitted instead of the Transcript.</p> <p>II) Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme (only for graduates). The foreign qualification must be comparable by level and course duration (and, where applicable, by subject area) with the required Italian degree and allow access to the PhD in the issuing country;</p> <p>III) Translation into Italian or English of the above documents, if issued in a different language.</p>	
<p><b>4. thesis abstract</b></p> <p>It must be submitted by both graduates and near-graduates, in English or Italian. We recommend to use the "<a href="#">Thesis Abstract form</a>", as failure to do so may lead to exclusion.</p>	<b>mandatory</b>
<p><b>5. motivational letter</b>, including a description of a possible project in one of the research lines of the Doctoral Programme. The project proposal must include objectives, methods as well as personal competencies. Please use only the "<a href="#">Research Project</a>" form available online, as failure to do so may lead to exclusion. <b>Note that:</b></p> <ul style="list-style-type: none"> <li>- The project is required for the purpose of assessing the candidate's aptitude for research;</li> <li>- Candidates who are awarded a scholarship which is <u>not</u> earmarked for a specific project will carry out a research project to be identified by the supervisor and approved by the PhD Academic Board. The actual project might be different from the proposal described in the motivational letter;</li> <li>- Candidates who are awarded a subject-specific scholarship will carry out the research project required by the granted scholarship.</li> </ul>	<b>mandatory</b>

Applicants who hold a foreign degree and have never enrolled at this or other University in Italy must also upload their Secondary School certificate.

PLACES AND SCHOLARSHIPS AVAILABLE			
<b>Total number of non-funded places</b> (code: SB)		<b>1</b>	
<b>Total number of funded places</b>		<b>14</b>	<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>- Candidates who accept a subject-specific scholarship are committed to the project topic.</li> <li>- Study/research abroad that entitles to a scholarship increase: <b>3 to 12 months</b> for each PhD student (over 3 years)</li> </ul>
<b>Scholarships</b> (code, total number and description)	D/1-3	3	<p>Scholarships financed by the Department of Mathematics and Geosciences (DMG) with funds from the Project "Dipartimenti di Eccellenza 2018-2022"</p> <p>The topic must be consistent with the PhD sectors/research lines CUP J96C18000150001</p> <p>Note: research will be conducted at DMG and supervisors will be from the same Department.</p>
	D/4	1	<p>Scholarship financed by the Department of Mathematics and Geosciences with funds from Zadro legacy in favour of DMG</p> <p>Project title: "Study of crustal mass changes and deformation from satellite and terrestrial geodetic observations"</p> <p>Principal investigator: Prof. C. Braitenberg</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>
	D/5	1	<p>Scholarship financed by the Department of Mathematics and Geosciences with funds from ICTP-ESP.</p> <p>Project title: "Tropical convection feedbacks on climate".</p> <p>Principal investigator: Dr <del>F. Giorgi</del> Adrian Tompkins</p> <p>Note: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department.</p>
	D/6	1	<p>Scholarship financed by the Department of Mathematics and Geosciences (DMG) with funds from the Project "Dipartimenti di Eccellenza 2018-2022" and from OGS (National Institute of</p>

		<p>Oceanography and Experimental Geophysics).</p> <p>Project title: "Stochastic models for marine biogeochemistry and pollution"</p> <p>CUP (as for the DMG project): J96C18000150001</p> <p>Principal investigator: Prof. S. Maset</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>
D/7	1	<p>Scholarship financed by the Department of Mathematics and Geosciences with funds from the Project "Dipartimenti di Eccellenza 2018-2022" and from OGS (National Institute of Oceanography and Experimental Geophysics).</p> <p>Project title: "Big-data and machine learning in marine biogeochemical modeling"</p> <p>CUP (as for the DMG project): J96C18000150001</p> <p>Principal investigators: Dr L. Manzoni and Dr G. Cossarini</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>
D/8	1	<p>Scholarship financed by the Department of Mathematics and Geosciences with funds from prof. Costa.</p> <p>Project title: "Strong motion monitoring, optimization of localization techniques and definition of source parameters in the Italian territory"</p> <p>Principal investigator: Dr G. Costa</p>
M/9-14	6	<p>Scholarships MUR/University</p> <p>The topic must be consistent with the PhD sectors/research lines</p>
<b>RESERVED PLACES</b>		
RE	1	<p>Highly-qualified staff employed in companies (while remaining on salary from the employer).</p> <p>The place is reserved for staff of Helica Srl, based in Amaro (UD). The private company <a href="#">Helica</a> Srl (via F.lli Solari 10, Amaro - UD) has expressed its interest in a PhD position within the ESFM programme (36th cycle) to be offered to one of its employees applying for admission. Since many years, the company works in helicopter transportation, even in complex conditions and in the remote sensing and monitoring in several sectors including street mapping, environmental managing, electrical lines mapping, and mineral resources exploration. The research will focus on implementation and integration of helicopter-borne geophysical techniques (in particular Ground Penetrating Radar - GPR, and magnetic sensors) for geological and glaciological applications.</p> <p>Note: the above company must sign an agreement with the University of Trieste before the candidate's enrolment.</p>

## TERMS AND CONDITIONS

<i>Required academic qualifications (see art. 2 of the Notice of Competition)</i>	
"Lauree vecchio ordinamento" (awarded in Italy before the D.M. 509/99 reform of the University system)	All
"Lauree specialistiche" (LS) awarded in Italy	All
"Lauree magistrali" (LM) awarded in Italy	All
<b>Selection criteria</b>	<b>Qualifications + interview</b> Maximum final score: <b>100</b> – minimum final score required for eligibility <b>70</b>
<b>Evaluation</b>	Qualifications (maximum final score <b>70</b> – minimum final score required <b>50</b> ):

	<ul style="list-style-type: none"> <li>• curriculum vitae et studiorum maximum score <b>20</b></li> <li>• thesis abstract maximum score <b>20</b></li> <li>• exams taken maximum score <b>10</b></li> <li>• motivational letter maximum score <b>20</b></li> </ul>
<b>Interview: maximum score 30 – minimum score required 20</b>	

Note: The Examination Panel may decide to adopt evaluation subcriteria.

The [admission results](#) will be published online. The admission process includes the following steps: Assessment of foreign degrees >> Assessment of other qualifications >> Interview. The merit list will be published after approval by the Rector.

<i>Examination schedule</i>	<p><i>Assessment of qualification</i> <b>from 23 June 2020</b></p> <p><i>Interview</i> <b>20 July 2020 at 9:00 a.m. (Italian time), <del>University of Trieste – Department of Mathematics and Geosciences (DMG) – Aula Magna “Marussi”, Ground Floor, Palazzina C (Comprensorio San Giovanni) – Via Weiss 1 – TRIESTE</del></b></p> <p><del>The Examination Panel may decide to interview candidates on subsequent dates.</del> The Examination Panel will interview candidates also on subsequent days (see <a href="#">calendar</a>)</p> <p><i>Language(s) of the interview</i> English</p> <p><i>Language(s) tested in the interview</i> English (level of knowledge required: <a href="#">CEFR B2</a>)</p> <p><i>Videoconference interview</i> <del>Upon request of the candidates, the interview may be carried out by videoconference. The form is available on “Videoconference interview” and must be uploaded within the application deadline.</del></p> <p><del>Candidates wishing to take the interview remotely and failing to upload the appropriate form for videoconferencing within the application deadline, can send their request by email to <a href="mailto:esfm.adm@units.it">esfm.adm@units.it</a> <a href="mailto:dottorato.ambientevita@units.it">dottorato.ambientevita@units.it</a> up to 4 working days before the date of the interview, stating the reason for their late request.</del></p> <p><del>The Examination Panel will meet on 20 July 2020.</del></p> <p><del>The Panel may arrange with the candidate a different time for the interview.</del></p> <p>The interview will be conducted <b>by videoconference only</b>, using Microsoft Teams (see <a href="#">notice</a>).</p> <p>The videoconference form is no longer required.</p>
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<b>SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition)</b>	
07/06/2020	Principal investigator: Dr <del>F. Giorgi</del> Adrian Tompkins
10/10/2020	Interview by videoconference only (MS Teams).