

LAST REVISED 17/07/2014

PhD IN ENVIRONMENTAL LIFE SCIENCES (under the agreement with the University of Udine)

NOTE: This attachment provides only partial information. Exhaustive information, including how to register for the selection, is published in the Admission Announcement posted in the web page http://www2.units.it/dott/en/ >> Admission Announcement.

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Deadline for online application	21 August 2014 11:30 a.m. (ITALIAN TIME)
Deadline for paying the exam registration (application) fee	21 August 2014
Deadline for submitting qualifications and publications plus the form <i>Integration to the Application</i>	21 August 2014 11:30 a.m. (ITALIAN TIME)
Deadline for completion of the degree required for admission	31 October 2014
Oral examination/interview	08 September 2014 09:00 a.m. (ITALIAN TIME)
Documents required (for further details see below "Weighting of the qualifications")	Form "Integration to the application" The following documents: a. detailed curriculum vitae et studiorum, with a special focus on pre-PhD activities, including a list of exams taken and marks obtained b. full text or abstract of the degree thesis



		IN BRIEF	
Lines of research		Ecology and ecophysiology of marine, fresh water, terrestrial and agricultural ecosystems	
		2 Global change biology and managment of natural and agricultural systems	
		3 Biodiversity informatics, genetics and conservation	
		4 Ecotoxicology and bioremediation	
Administrative location		University of Trieste	
Organizing Department		Department of Life Sciences	
Partner University		University of Udine	
Partner University I	Department	Department of Agricultural and Environmental Sciences	
Duration		3 years	
Maximum number of months to be spent abroad by each PhD student		0-18	
Official language		Italian	
Language (alternative to Italian) partially used in PhD activities		A relevant part of seminars will be in English. Several offered teaching courses will be in English. PhD students can present their partially and final results in English. They are encouraged to write their PhD thesis in English.	
Subject Area	main others	 05.07.03	
Macro Research	main		
Fields	others	05/C; 05/A; 05/I; 05/G; 05/B, 07/B, 07/C, 07/E, 03/A	
Scientific Disciplinary Sector	main others	 BIO/07, BIO/01, BIO/02, BIO/04, BIO/15, BIO/18, BIO/05, AGR/02, AGR/05, AGR/08, AGR/13, CHIM/03	
Domain European Research Council		LS	
ERC Panels	main others	 LS8, LS9, PE4	
Erasmus Subject Area Codes	main others		
		e found online at: http://www2.units.it/dott/en/?file=DottBandi.inc >> Admission ents () >> "Labelling" (file.xls)	



PLACES. S	CHOLARS	HIP	S, RESEARCH GRANTS AVAILABLE
Total number of places available (e		11	
R/2 R/3 – see below)		_	
with scholarship		3	N.D. Canalidates tules assent an asymptotic and askalaushin ass
without scholarship		8	N.B. : Candidates who accept an earmarked scholarship are committed to the pre-assigned topic.
Scholarships/Research grants available with indication of the code, total number and funding	MD/1	1	University of Trieste + Department of Life Sciences (Project title "Development of biomonitoring techniques of airborne peristent pollutants based on mosses and lichens")
body	MD/2	1	University of Trieste + Department of Life Sciences funded by EU CIP FP-ICT-PSP-2011-5 OPEN DISCOVERY SPACE CUPJ91J20000300006 (Project title:
			LAST UPDATED ON 17.07.2014: The project title has been modified into: "Floristic ecological models with the new instruments of Biodiversity Informatics")
	MD/3	1	University of Trieste + Department of Life Sciences funded by Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS) (Project title "Development and applications of ecological indexes, proxies and models in marine ecosystems.")
	MD/4	1	University of Trieste + Department of Life Sciences funded by Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS) (Project title "Biogeochemical dynamics in marine ecosystems")
	C/5 - 7	3	University of Udine
	UST/8	1	University of Trieste funded by University of Trieste funded by Commissariato del Governo nella Regione Friuli Venezia Giulia ("Fondo Trieste") (project with a significant impact on the area)
Reserved places with scholarships/research grants available for graduates at universities abroad [R/1] with indication of the code, total number and funding body	R/1	0	
Reserved places with no PhD	R/2	0	Scholarships funded by foreign Countries
scholarship provided	R/3	0	Scholarships funded by international mobility programmes
PhD students from foreign universities may be admitted with a joint supervision of their thesis			Yes
Erasmus Mundus PhD students from foreign universities may be admitted on a joint supervision of their thesis		on	Yes
Erasmus Mundus PhD students from foreign universities may be admitted on international mobility programmes			Yes



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	THE SELECTION PROCEDURE
Academic qualification required: see Announcement: see Announcement (art. 2 - Requirements)	Italian Master's Degree "Laurea Specialistica/Magistrale" or Degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270, (or a qualification corresponding to a Master's -second level- degree)
	Please note: only the specific degrees listed below are accepted
	An equivalent foreign academic qualification awarded abroad
	An academic qualification awarded abroad which is considered to be equivalent to the Italian degree that allows the holder to undertake PhD studies for duration, level and area of study
Degrees awarded in Italy must correspond to those included in the list on the right:	Scienze forestali ed ambientali, Scienze geologiche, Scienze agrarie, Scienze biologiche, Biotecnologie agrarie-vegetali, Scienze ambientali, Scienze naturali; 6/S - in biologia, 7/S - in biotecnologie agrarie, 68/S - in scienze della natura, 77/S - in scienze e tecnologie agrarie, 85/S - in scienze geofisiche, 79/S - in scienze e tecnologie agrozootecniche, 82/S - in scienze e tecnologie per l'ambiente e il territorio, 83/S - in scienze economiche per l'ambiente e la cultura, 86/S - in scienze geologiche, 38/S - in ingegneria per l'ambiente e il territorio; LAST UPDATED ON 07.07.2014:
	69/S, 74/S, 80/S
	LM-6 BIOLOGIA, LM-7 BIOTECNOLOGIE AGRARIE, LM-60 SCIENZE DELLA NATURA, LM-79 SCIENZE GEOFISICHE, LM-80 SCIENZE GEOGRAFICHE, LM-76 SCIENZE ECONOMICHE PER L'AMBIENTE E LA CULTURA, LM-75 SCIENZE E TECNOLOGIE PER L'AMBIENTE E IL TERRITORIO, LM-73 SCIENZE E TECNOLOGIE FORESTALI ED AMBIENTALI, LM-69 SCIENZE E TECNOLOGIE AGRARIE, LM-70 SCIENZE E TECNOLOGIE ALIMENTARI.
	LAST UPDATED ON 07.07.2014 : LM/61, LM/74
Deadline for completion of the Degree required for admission	31 October 2014
Assessment criteria	qualifications + oral examination/interview
Maximum final score (the final score is based on the sum total of marks obtained in the interview plus the points given for qualifications and publications)	100/100
Minimum final score required for eligibility	70/100
Maximum score awarded for qualifications+publications	50/50
Minimum score required for qualifications+publications	35/50
Weighting of the qualifications Unless the form "Integration to application" is presented, qualifications and publications cannot be assessed by the	detailed <i>curriculum vitae et studiorum</i> , with a special focus on pre- PhD activities, including a list of exams taken and marks obtained 30/50
Examining Board. The form is b available at: http://www2.units.it/dott/en/?file=D	full text or abstract of the degree thesis 20/50



ottBandi.inc&cod=1010		
If the degree score is not out of 110 it will be converted. Undergraduates will be assigned a score out of 110 based on the average of their exams (provided they submit an official transcript)		
Oral examination/interview score ou of – maximum score	<i>t</i> 50/50	
Oral examination/interview score ou of – minimum score	t 35/50	
Deadline for submitting qualification and publications	S 21 August 2014	
	- as an attachment to the online admission application (upload), deadline 11:30 a.m. Italian time	
Qualifications and publications sh	only for publications that are voluminous or not available in electronic format, as long as they are listed in the form "Integration to application" (digital format preferable):	
(art. 5.1.4 of the PhD Announcemer	- by post to Prof. Mauro Tretiach, building "M" - Via Giorgieri 10, University of Trieste, 34127 Trieste, Italy	
	- in person to Prof. Mauro Tretiach, from 9 am to 1 pm and from 2 pm to 7 pm (ITALIAN TIME), at reception building "M" - Via Giorgieri 10, University of Trieste, 34127 Trieste, Italy	
Oral examination/intervie	08 September 2014 at 09:00 a.m. (ITALIAN TIME) , University of Trieste – Department of Life Sciences – Building M – classroom A – Via Giorgieri, 10 – TRIESTE	
Language(s) of the interview	- Italian - English if there are non Italian candidates	
Language(s) tested the oral examination/intervie	English	
CEFR (Common European Framewo of Reference for Languages)	rk B2	
Videoconference interview	Upon request from the candidate, the interview may be carried out through videoconference, with the same schedule (check 6.2 Admission Announcement)	

	WHO'S WHO
Chair	Prof. Serena Fonda – Department of Life Science - University of Trieste – Via L. Giorgeri, 10 – phone N. 040/558.8829/2937 fax 040/558.2011 e-mail s.fonda@units.it
Web site	http://www2.units.it/biomonitor/
Learning outcomes	The PhD program, aims to train highly qualified personnel capable of analytically managing the implementation of national and European Union guidelines regarding the environmental analysis, deepen the methodological aspects related to these issues, and to independently design and carry out environmental researches in a multidisciplinary view. It is structured to increasingly focus the scientific training of the students from the general and theoretical to the experimental aspects.
, and the second	The name of the doctorate is closely linked to the research topics of the members of the teacher's council. They are linked to the following ERC areas:
	Terrestrial ecology, land cover change (PE10_4); Biogeochemistry, biogeochemical cycles, environmental chemistry (PE10_9); Ecology (LS8_1); Biodiversity, comparative biology (LS8_4); Conservation biology, ecology, genetics (LS8_5);



	Pro live: cult dyn	rironmental and marine biology (LS8_8); Environmental toxicology (LS8_9), karyotic biology (LS8_10). Agriculture related to animal husbandry, dairying, stock raising (LS9_3); Agriculture related to crop production, soil biology and ivation, applied plant biology(LS9_5), Genetics, Population biology, population amics, population genetics, plant-animalinteractions (LS2/LS8_2), Genomics, scriptomics, comparative genomics, functional genomics (LS2).
Job placement opportunities	Possible job placements are mainly in the environmental research field at national or international universities or research institutions, both in marine and terrestrial area of interest. The considerable interdisciplinary approach characteristic of this PhD course will allow the training of new and complete professional figures that will afford to multidisciplinary scientific issues. Methodologies learnt during the PhD course will apply to complex themes like: effects of global change on different natural ecosystems (from deep ocean to high mountains) or man managed ones (agro-ecosystems, forestry, and so on); the biodiversity role in maintaining ecosystem efficiency and good and service production; the onset of new pollution sources, the appearance of new pollutants and their effects on organisms, the management of new productive close — loop systems, the digitalization of environmental data to spreading them to the public for stimulating a general increase in the ecological awareness.	
	1	Scripps Institution of Oceanography, University of California, San Diego, USA
Main cooperating international Universities and Research Institutions	2	College of Environmental and Natural Resources Sciences, Zhejiand University, Hangzhou, China
	3	Tel Hai College, Upper Galilee, Israel
	4	Institut of Botany, University of Innsbruck, Austria
	5	Los Alamos National Laboratory, New Mexico USA