



## CALL FOR PHD POSITIONS – 37<sup>th</sup> CYCLE

### PHD PROGRAMME IN SUSTNET - SUSTAINABLE DEVELOPMENT AND COOPERATION

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| <b>Coordinator</b>                               | Prof. Cristina GIACOMA   |
| <b>Department</b>                                | Life Sciences and System Biology   |
| <b>Programme Length</b>                          | 3 years  |
| <b>Programme website</b>                         | <a href="https://phdsustainability.campusnet.unito.it/do/home.pl">https://phdsustainability.campusnet.unito.it/do/home.pl</a>  |
| <b>Programme start date</b>                      | 1 <sup>st</sup> November, 2021   |
| <b>Departments involved in the PhD programme</b> | University of Torino, University of Piemonte Orientale, University of Antananarivo: see departments at <a href="https://phdsustainability.campusnet.unito.it/do/home.pl/View?doc=contacts.html#dip">https://phdsustainability.campusnet.unito.it/do/home.pl/View?doc=contacts.html#dip</a> |

| <b>Positions offered by the PhD Programme<sup>1</sup></b>   |  |
|---|--|
| n. 6 positions with scholarship, of which n. 2 reserved to candidates with international qualifications | of which:<br><br>n. 3 scholarships funded by the University of Torino<br><br>n. 1 scholarship co-funded by the Department of Agricultural, Forest and Food Sciences by project PSR 2014-2020, Regione Piemonte, Procedure 16.1.1, Project acronym: SISAV” - STRUMENTI INTEGRATI PER LA SOSTENIBILITA’ AMBIENTALE DEL VIGNETO (projects requiring qualification statement by examination board);<br><br>n. 1 scholarships funded Department of Life Sciences and System Biology on funds of Life project WolfAlps EU, (projects requiring qualification statement by examination board)<br><br>n. 1 scholarships funded by the University of Piemonte Orientale |

<sup>1</sup> Any additional scholarships and apprenticeship contracts (Legislative Decree no. 81/2015 art.45), which may become available after the publication of this Call, will be announced on the Doctoral School website [Partecipare al Bando/Submitting your application](#) until the Call’s deadline.



| <b>ADMISSION PROCEDURE</b>                                      |            |                |  |
|---|------------|----------------|--|
| <i>(qualifications, including research project + interview)</i> |            |                |  |
|   | <b>Max</b> | <b>Score</b>   | <b>Information/Application documents</b>   |
| <b>QUALIFICATIONS</b>   |            | <b>max. 30</b> |  |
| Final grade<br>Graduates in Italy                               |            | max. 5         | Final grade of the degree giving access to PhD<br>≥110 score 5<br>grade ≥105 e ≤109 score 2  |
| Weighted average<br>Graduands in Italy                          |            | max. 5         | <i>Self-certification of exams taken – Laurea Magistrale/Master's Degree and weighted average</i><br>≥30 score 5<br>≥27 e ≤29 score 3<br><27 score 0 |
| CV<br>Graduates in Italy<br>Graduands in Italy                  |            | max 10         | (as per the CV template)   |
| CV<br>Graduates abroad<br>Graduands abroad                      |            | max 15         | (as per the CV template)   |
| Publications  | 0          | 0              | <b>Publications are not required</b>   |



# UNIVERSITÀ DEGLI STUDI DI TORINO

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|--|--|----------------|--|
| Reference letters  |  | 0              | <b>Reference letters are not required</b>  |
| Research Project   |  | max. 15        | Research Project must include: state of the art, objectives, expected results and future developments, bibliography and may include a short motivational letter and a short list of supporters. Maximum length is 5000 characters including spaces, but excluded bibliography.   |
| <i>Threshold to be admitted to the next examination</i>    |  | 15             |  |
| <b>INTERVIEW</b>   |  | <b>max. 70</b> | <i>Oral exam consists in discussing the project, the motivation and competence already acquired by the candidate.<br/>The exam will be run by internet connections Webex by browser with no compulsory download of webex software.<br/>Preferred language is English, but also Italian and French can be utilized during the interview by the candidate.</i> |
| <i>Threshold to pass the interview (qualified for PhD)</i> |  | 50             |  |

## Research Topics

### PhD Programme in SUSTNET - Sustainable Development and Cooperation

- 1) Sustainability of human activities in a complex predator-prey system in the Western Alps: relationship among roedeer, wolves, hunters, farming, and mountain tourism. Ref.: Francesca Marucco (Research topic linked to the position financed by Department of Life Sciences and System Biology on funds of Life project WolfAlps EU)



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- 2) Actual and Potential Roles of Remotely Sensed Data and Services from Open Archives to Improve Sustainability in Viticulture within the Climate Change Context". Ref.: Enrico Borgogno Mondino. (Research topic linked to the position co-funded by Department of Agricultural, Forest and Food Sciences by project PSR 2014-2020, Regione Piemonte, Operazione 16.1.1 Acronimo progetto: SISAV" - STRUMENTI INTEGRATI PER LA SOSTENIBILITÀ' AMBIENTALE DEL VIGNETO)
- 3) Chemical markers and processes in wastewater treatment for the investigation of human society sustainability and its impact on the environment. Ref. Alberto Salomone
- 4) Chemical markers and processes in wastewater treatment for the investigation of human society sustainability and its impact on the environment in developing countries. Ref. Alberto Salomone
- 5) Aquatic environments of the Alps: how to integrate biodiversity protection and ecosystem functionality with the sustainable water use in the climate change era. Ref. Stefano Fenoglio.
- 6) Ethnobotanical inventory, phytochemical analysis, and agroforestry potential of plant species used by indigenous people living in Madagascar. Ref. Gabriele Beccaro
- 7) Dissecting the multitrophic interplay between avifauna, insects, microorganisms, and the plant to prompt a sustainable cacao production. Ref. Stefanini
- 8) The consequences of climate and environmental emergencies on society and territory – Ref. Enrico Ferrero