### PhD programme “Regionale pegaso” joint with the University of Pisa, University of Firenze and University of Siena

**EARTH SCIENCES**

<table>
<thead>
<tr>
<th>President:</th>
<th>Prof. Carlo Baroni</th>
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<tbody>
<tr>
<td>Department:</td>
<td>Department of Scienze della Terra – Via Santa Maria 53 56126 Pisa</td>
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<td>Admission requirements:</td>
<td>Any Master’s degree</td>
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<td>Outcome of the selection procedure:</td>
<td>Ranking of the research project in “Big Data Analysis in Exploration geophysics”</td>
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#### PhD Positions Available

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<tr>
<th>Positions available</th>
<th>1</th>
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<tr>
<td>of which</td>
<td>1 with grant</td>
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#### Details:

1. **grant** financed by Regione Toscana funded on the POR FSE 2014-2020 resources, in the frame of Tuscan Regional project Giovanisi ([www.giovanisi.it](http://www.giovanisi.it)), aiming at enhancing young people's autonomy on subject “Big Data Analysis in Exploration geophysics”(with 6 months stay abroad).

#### Selection criteria:

**Curriculum**

The curriculum, signed and accompanied by a copy of a valid identification document, shall be uploaded *only* during the application process. The curriculum must provide information about the candidate’s academic education as well as his/her professional and research experience. The candidate shall attach all the documents useful for the assessment of his/her curriculum.

In the online application process, the candidate shall also indicate, the names and contacts (email address and phone number) of at least one professor or academic/researcher in Earth Sciences available to provide references which are to be uploaded by **July 25, 2018** following the instructions provided by e-mail.

**Minimum grade: 20 out of 30**

The list of candidates admitted to hold the interview will be published at [http://dottorato.unipi.it/](http://dottorato.unipi.it/) “Admissions” at least five days before the interview.
The interview will assess the candidate’s knowledge, her/his aptitude for research, openness to academic experiences in Italy and abroad, and an interest in scientific deepening.

During the interview, the Selection Boards will assess the English Language Proficiency Level.

Date 11th September 2018 Time: 9.00 a.m. (Italian Time)
with the possible prolongation to the following day/s (excluding Saturdays or Sundays)
All candidates shall be present on the first day of meeting to find ascertain the interview schedule (except for the video conference interview).

Venue: Department of Scienze della Terra – Via Santa Maria 53 – 56126 Pisa

Candidates must also demonstrate, during the interview, to have an adequate proficiency Level of English (equivalent to at least level B2). Furthermore, the candidates must certify the abovementioned proficiency before accepting the "Pegaso" study grant by means of:
1. internationally recognized certification (eg. Cambridge English Language Assessment, TOEFL, IELTS) at the B2 level of the Common European Framework for Languages (cfr. http://www.cli.unipi.it/files/equipollenze/inglese_equip?lang=it);
2. certification of a Language Centre of any Italian or foreign university;
3. certification issued by the University’s Language Centre (CLI) of Pisa University, which, upon appointment, provides monthly sessions language certification.

Minimum grade: 45 out of 70

Webconference: Yes
Candidates who choose the videoconference will have to send the filled form (Attachment D) to concorsodottorato@unipi.it, within the deadline of the announcement. It is also mandatory to send the letter (Attachment D1) duly signed by The Rector of a University or by the Director of a Department or by the Responsible of an official Institution (eg. Embassy, Consulate). In particular, the letter must contain the name of a professor or public official who will be present during the interview, thus ensuring its regularity.

Guidelines for the presentation of the PhD Research project

Required: Yes
to be illustrated at the interview

The candidate must upload the research project during the online application process within the deadline of the announcement. The research project will be discussed by the candidate during the interview in order to highlight his/her project planning capabilities. The project can be completed in English and must include: title, objectives, possible collaborations, state of the art, the research (in the
duration of three years), expected outputs and outcomes, costs and possible indication of the sources of financing planned.

| INFO: | **Overview and objectives of the PhD course:**
The Regional PhD in Earth Sciences aims to give young graduates the opportunity to follow an advanced training in Tuscany, with a qualification of excellence and international relevance. The networking of the best expertise of the three universities in the region will enhance the synergy of the excellence in the different fields of Earth Sciences in Tuscany, through the link between educational courses for advanced training and cutting-edge research, even amplifying the potential offered by the vast network of international relations of the three universities involved in the PhD programme (Pisa, Florence and Siena). This initiative has the advantage of offering young graduates the opportunity to acquire more skills and gain an educational background that constitute additional values for applying to professional geological practice and/or to advanced research career. At present, the Earth Sciences Departments of the Universities involved in the project are particularly working on issues of significant interest for the region and for our Country, such as the global geodynamic processes, the evolution of the environment (including through the study of paleoenvironments), renewable energy resources (and in particular Geothermal Energy), innovative materials, management and protection of cultural heritage, and certainly not least, the current dramatically themes of prevention and mitigation of geological, geomorphological, hydrogeological and vulcanological hazards.

**Website:**
[http://www.dst.unipi.it/seminari-dottorato.html](http://www.dst.unipi.it/seminari-dottorato.html)