



### Minute

## Meeting of the academic board of the PhD course on Earth and Planetary Sciences of the University of Florence, XXXIX and XL cycles October 27<sup>th</sup>, 2025

The meeting of the Academic Board of the PhD Course on Earth and Planetary Sciences, University of Florence, with invited the students and their tutors and co-tutors of the XL<sup>th</sup> and XL cycles, has been convened with Prot. n. 220976/2024, for October 27<sup>th</sup>, 2025, at 14:<sup>00</sup> (Italian time), in Room A, Via La Pira, 4 – Firenze, and in the virtual room of Google Meet at the link: [meet.google.com/zic-tsnf-vxi](https://meet.google.com/zic-tsnf-vxi) in order to deliberate and discuss on the following points in Agenda reported below.

Prof. Sandro Conticelli chairs the meeting, Mrs. Serena Cartei acts as recording secretary.

- 1) Ph.D. students talks of XXXIX cycle (10 min each; 8 min presentation + 2 min discussion)
- 2) Ph.D. students talks of XL cycle (5 min each)
- 3) Approval of minute earlier meetings;
- 4) Admission to third year of XXXIX cycle students;
- 5) Admission to second year of XL cycle students;
- 6) Students requests

Before to open the meeting, the Chairman informs the colleagues that there is a new point to be add on the agenda:

- 7) Con.Sienze prize evaluation committee definition
- 8) Various and possible

The Academic Board unanimously approves the addition of the 7<sup>th</sup> point on the agenda.

### Attendance to the meeting

#### Academic board:

N.	SURNAME NAME	PARTICIPATION
1	Avanzinelli Riccardo	J
2	Balestrieri Maria Laura	P
3	Belvedere Matteo	P
4	Benvenuti Marco (GEO/02)	P
5	Benvenuti Marco (GEO/09)	J
6	Bertini Adele	J
7	Bianchini Silvia	J
8	Bindi Luca	A
9	Buccianti Antonella	J
10	Capaccioni Fabrizio	A



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11	Capezuoli Enrico	A
12	Carnicelli Stefano	A
13	Casalini Martina	P
14	Chopin Christian	A
15	Cioni Raffaello	J
16	Conticelli Sandro	P
17	Danise Silvia	P
18	Del Soldato Matteo	J
19	Del Ventisette Chiara	P
20	Elliott Tim	A
21	Fanti Riccardo	P
22	Francalanci Lorella	J, P from 17,08
23	Goiran Jean-Philippe	A
24	Hin Remco Christian	A
25	Intrieri Emanuele	J
26	Keir Derek Boswell	P
27	Marchetti Emanuele	P
28	Mazzini Ilaria	A
29	Moretti Sandro	A
30	Münker Carsten	A
31	Natali Claudio	P
32	Nishimura Takeshi	A
33	Pazzi Veronica	P
34	Pratesi Giovanni	P
35	Raneri Simona	A
36	Raspini Federico	P
37	Rimondi Valentina	P
38	Rook Lorenzo	P
39	Rossi Giuliana	P
40	Saccorotti Gilberto	A
41	Sani Federico	P
42	Scaillet Bruno	A
43	Tassi Franco	A
44	Tofani Veronica	A
45	Tomás Jover Roberto	A



46	Vannucchi Paola	J
47	Vaselli Orlando	P

**Students:**

**XXXIX cycle:** Amico Francesca, Ayoqi Najmeh, Becattini Francesco, Esmaeili Maryam, Ferrari Martina, Lenci Simone, Napoli Alessia Francesca, Nesi Jacopo, Rahman Zia Ur, Risaliti Giacomo.

**XL cycle:** Chandresh Reha, Farrell Conor Gabriel, Galione Martina Rosa, Gesualdi Vincenzo, Landini Neri, Loddi Cecilia, Riche Abdelkader, Spoto Sebastiano Ettore, Yousefi Mohammadreza, Zorzi Francesca.

**Invited (Tutors and co-tutors):**

Bartolini Lucenti Saverio, Cabassi Jacopo, Cartei Serena, Confuorto Pierluigi, Costagliola Pilario, Gigli Giovanni, Maestrelli Daniele, Nannoni Alessia, Trumpy Eugenio, Vezzoni Simone.

The meeting starts at 14:00. The meeting is valid as the number of participants is: 19, justified: 10, absents: 18, on 47 members.

The students are all present.

**1) XXXIX PhD student's presentations (10 minutes each + discussion)**

XXXIX cycle starting November 1 <sup>st</sup> , 2023						
	SURNAME	NAME	THESIS PROJECT TITLE	TUTOR	CO-TUTOR	SCHOLARSHIP
1 h. 15:10	AMICO	FRANCESCA	Microbiology and fluid geochemistry in extreme environments: a glimpse of early life on Earth and other planets	Tassi Franco	Fazi Stefano (IRSA-CNR)	UNIFI
2 h. 14:57	AYOQI	NAJMEH	Seismic vulnerability assessment of Florence (new title, to be approved: Experimental and theoretical analysis of the seismic site response in the city of Florence)	Marchetti Emanuele	Lacanna Giorgio - Pazzi Veronica	D.M. 118/2023 PNRR
3 h. 14:10	BECATTINI	FRANCESCO	Development of innovative approaches for landslide risk assessment and management - GEOSCIENCES	Raspini Federico		PNRR NGEU
4 h. 14:35	ESMAEILI	MARYAM	Assessment of the hazard associated with ground deformations through the integrated use of survey and monitoring data acquired using land and airborne methods	Gigli Giovanni	Tofani Veronica	PNRR NGEU
5 h. 14:20	FERRARI	MARTINA	Dynamics of complex riverine systems between variability and resilience	Buccianti Antonella	Tassi Franco - Venturi Stefania	PNRR NGEU



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6 h. 15:20	LENCI	SIMONE	Active fault architecture in North-Western Apennines from structural geology and local seismicity	Keir Derek Boswell		UNIFI
7 h. 15:31	NAPOLI	ALESSIA FRANCESCA	Application and development of georadar and seismological techniques for the characterization of buildings to evaluate seismic response - New title, to be approved: Development and application of GPR techniques for multi-scale characterization of historical buildings	Marchetti Emanuele	Tanganelli Marco (DIDA)	UNIFI/DST Eccellenza
8 h. 15:44	NESI	JACOPO	Stratigraphic and sedimentological analysis of the Cenomanian-Turonian fluvial and coastal succession outcropping between the southern front of the Central High Atlas and the Kem-Kem region (southern Morocco)	Benvenuti Marco (GEO 02)	Papini Mauro, Basilici Giorgio Univ. di Campinas, Brasile (Inst. de Geociencias)	UNIFI
9 h. 14:45	RAHMAN	ZIA UR	Project of a Metaverse solution applied to Earth Sciences, with objectives of teaching, dissemination, visualization and immersive manipulation of the scientific data collected by the department	Moretti Sandro	Raspini Federico	D.M. 117/2023 PNRR
10 h. 15:50	RISALITI	GIACOMO	Fracture attitude in differently metamorphosed carbonates	Vannucchi Paola	Rizzo Roberto Emanuele	UNIFI/DST Eccellenza

## 2) 16:00 XL PhD student's presentations (5 minutes each + discussion)

40th cycle starting 1st November 2024						
	SURNAME	NAME	THESIS PROJECT TITLE	TUTOR	CO-TUTORS	SCHOLARSHIP
1 h.16:06	CHANDRESH	REHA	Fault evolution and slip rates in magma-rich rifts using quantitative geomorphology and volcanic stratigraphy	Keir Boswell Derek	Corti Giacomo (CNR) - Sani Federico	Supernumerary Marie Sklodowska Curie
2 h. 16:16	FARRELL	CONOR GABRIEL	Localisation and along-rift linkage of extension and implications for geothermal potential in the Main Ethiopian Rift	Keir Boswell Derek	Corti Giacomo (CNR) - Bott Judith (GFZ) - Sani Federico (UNIFI)	Supernumerary Marie Sklodowska Curie
3 h. 16:25	GALIONE	MARTINA ROSA	Assessment of residual potential and genesis of antimony (Sb) mineralizations in southern Tuscany	Rimondi Valentina	Trumpy Eugenio - Vezzoni Simone (CNR)	UNIFI/DST- Eccellenza 2023-2027



4 h. 16: <sup>30</sup>	GESUALDI	VINCENZO	Jurassic Dinosaur Tracks of the Jura Massif (France, Switzerland): A megatracksite perspective and significance of regional correlation	Belvedere Matteo	Sciscio Lara (Jurassica Museum)	UNIFI
5 h. 16: <sup>35</sup>	LANDINI	NERI	Studies and applications of terrestrial and remotely-sensed data by using Earth Observation technologies from Space for geohazard assessment	Del Soldato Matteo	Bianchini Silvia	NRRP SPACE ASI with specific research topic
6 h. 16: <sup>42</sup>	LODDI	CECILIA	Dental microwear analysis for the paleoecological characterization of neogenic and quaternary carnivores	Bartolini Lucenti Saverio	Rook Lorenzo	UNIFI
7 h. 16: <sup>47</sup>	RICHE	ABDELKADER	Enhancing Landslides Prediction with Advanced Earth Observation (EO) Technologies, Geospatial Data, and Deep Learning Integration	Bianchini Silvia	Confuorto Pierluigi	UNIFI
8 h. 16: <sup>53</sup>	SPOTO	SEBASTIANO ETTORE	Studying the migration of soil gases in active seismic and volcanic environments by integrating continuous monitoring of soil gas pressure fluctuations with geochemical and isotopic analysis methods	Vaselli Orlando	Tassi Franco - Parello Francesco (Univ. Palermo)	Without scholarship
9 h. 17: <sup>00</sup>	YOUSEFI	MOHAMMADREZA	Estimation of the volumetric water content in the soil through non-invasive geophysical measurements of electrical conductivity	Pazzi Veronica	Marchetti Emanuele - Fanti Riccardo	UNIFI/DST-Eccellenza 2023-2027 with specific research topic
10 h. 17: <sup>07</sup>	ZORZI	FRANCESCA	Fluid geochemical characterization of low-medium temperature geothermal reservoirs in North-Eastern Italy	Tassi Franco	Procesi Monia (INGV)	INGV with specific research topic

### Communications;

The students will vote for their representatives by Eligo, a system of remote vote. The dates of elections will be at the end of November beginning of December. They will vote for 2 representatives in the Earth Sciences Department Council, two in the Academic Board of the PhD course and one in the Giunta council of Earth Sciences Department.

At 17:<sup>15</sup> the students' presentations are over.

The Chairman thanks the students for the excellent work done and invites the people not members of the Academic Board to leave the rooms (physical and virtual).

The meeting will start again at 11:50 with the academic board members only.

### 3) Approval of minute earlier meetings;

The chairman asks the colleagues if there are any observations on the minutes of the previous meeting.



No comments on the past minute were presented.

The minutes of the previous meeting is unanimously approved.

**4) Admission to third year of XXXIX cycle students;**

39th cycle starting 1st November 2023				
	SURNAME	NAME	THESIS PROJECT TITLE	JUDGEMENT
1	AMICO	FRANCESCA	Microbiology and fluid geochemistry in extreme environments: a glimpse of early life on Earth and other planets	Admitted to the 3 <sup>rd</sup> year
2	AYOQI	NAJMEH	Seismic vulnerability assessment of Florence (new title, to be approved: Experimental and theoretical analysis of the seismic site response in the city of Florence)	Admitted to the 3 <sup>rd</sup> year
3	BECATTINI	FRANCESCO	Development of innovative approaches for landslide risk assessment and management - GEOSCIENCES	Admitted to the 3 <sup>rd</sup> year
4	ESMAEILI	MARYAM	Assessment of the hazard associated with ground deformations through the integrated use of survey and monitoring data acquired using land and airborne methods	Admitted to the 3 <sup>rd</sup> year
5	FERRARI	MARTINA	Dynamics of complex riverine systems between variability and resilience	Admitted to the 3 <sup>rd</sup> year
6	LENCI	SIMONE	Active fault architecture in North-Western Apennines from structural geology and local seismicity	Admitted to the 3 <sup>rd</sup> year
7	NAPOLI	ALESSIA FRANCESCA	Application and development of georadar and seismological techniques for the characterization of buildings to evaluate seismic response - New title, to be approved: Development and application of GPR techniques for multi-scale characterization of historical buildings	Admitted to the 3 <sup>rd</sup> year
8	NESI	JACOPO	Stratigraphic and sedimentological analysis of the Cenomanian-Turonian fluvial and coastal succession outcropping between the southern front of the Central High Atlas and the Kem-Kem region (southern Morocco)	Admitted to the 3 <sup>rd</sup> year
9	RAHMAN	ZIA UR	Project of a Metaverse solution applied to Earth Sciences, with objectives of teaching, dissemination, visualization and immersive manipulation of the scientific data collected by the department	Admitted to the 3 <sup>rd</sup> year
10	RISALITI	GIACOMO	Fracture attitude in differently metamorphosed carbonates	Admitted to the 3 <sup>rd</sup> year

The report by the tutors on the PhD students were posted on a drive folder.

Given the opinions of the tutors and the presentation by the students, given the participation to the evaluation procedure for the AVA3 process, the academic board unanimously approves the admission to the third year of all the above students listed.

**5) Admission to second year of XL cycle students;**



40th cycle starting 1st November 2024				
	SURNAME	NAME	THESIS PROJECT TITLE	JUDGEMENT
1	CHANDRESH	REHA	Fault evolution and slip rates in magma-rich rifts using quantitative geomorphology and volcanic stratigraphy	Admitted to the 2 <sup>nd</sup> year
2	FARRELL	CONOR GABRIEL	Localisation and along-rift linkage of extension and implications for geothermal potential in the Main Ethiopian Rift	Admitted to the 2 <sup>nd</sup> year
3	GALIONE	MARTINA ROSA	Assessment of residual potential and genesis of antimony (Sb) mineralizations in southern Tuscany	Admitted to the 2 <sup>nd</sup> year
4	GESUALDI	VINCENZO	Jurassic Dinosaur Tracks of the Jura Massif (France, Switzerland): A megatracksite perspective and significance of regional correlation	Admitted to the 2 <sup>nd</sup> year
5	LANDINI	NERI	Studies and applications of terrestrial and remotely-sensed data by using Earth Observation technologies from Space for geohazard assessment	Admitted to the 2 <sup>nd</sup> year
6	LODDI	CECILIA	Dental microwear analysis for the paleoecological characterization of neogenic and quaternary carnivores	Admitted to the 2 <sup>nd</sup> year
7	RICHE	ABDELKADER	Enhancing Landslides Prediction with Advanced Earth Observation (EO) Technologies, Geospatial Data, and Deep Learning Integration	Admitted to the 2 <sup>nd</sup> year
8	SPOTO	SEBASTIANO ETTORE	Studying the migration of soil gases in active seismic and volcanic environments by integrating continuous monitoring of soil gas pressure fluctuations with geochemical and isotopic analysis methods	Admitted to the 2 <sup>nd</sup> year
9	YOUSEFI	MOHAMMADREZA	Estimation of the volumetric water content in the soil through non-invasive geophysical measurements of electrical conductivity	Admitted to the 2 <sup>nd</sup> year
10	ZORZI	FRANCESCA	Fluid geochemical characterization of low-medium temperature geothermal reservoirs in North-Eastern Italy	Admitted to the 2 <sup>nd</sup> year

The report by the tutors on the PhD students were posted on a drive folder.

Given the opinions of the tutors and the presentation by the students, given the participation to the evaluation procedure for the AVA3 process, the academic board unanimously approves the admission to the second year of all the above listed students and the relative judgment.

#### 6) Students requests;

The Chairman informs the Academic Board that we received the following requests from the students:

- **Dr. Martina Rosa Galione:** Extra doctoral work: Interactive laboratory on Geothermic.
- **Dr. Najmeh Ayoqi:** Thesis title refinement. New thesis title: Experimental and theoretical analysis of the seismic site response in the city of Florence. Tutor insertion: Prof. Veronica Pazzi.



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- **Dr. Alessia Francesca Napoli:** Thesis title refinement. New thesis title: Development and application of GPR techniques for multi-scale characterization of historical buildings.

The academic board unanimously approves all the requests.

#### **7) Con.Sienze prize evaluation committee definition**

The Chairman informs that the Director of Earth Sciences Department asked the Academic Board to define the evaluation committee for selecting a Ph.D. thesis to be presented as Candidate for the University of Florence for the Con.Sienze prize.

After considering the conflict of interest with the PhD candidate the Academic Board selects the following members of the Selection Committee:

- 1) Pazzi Veronica;
- 2) Segoni Samuele;
- 3) Raneri Simona.

They will focus their attention and evaluate the following aspects:

- 1) Records of PhD evaluation committee;
- 2) Originality of the research;
- 3) Level of innovation of the research;
- 4) Groundbreaking impact on the scientific community.

In case of a tie the point b and c of the point 7 of the previous Academic Board Meeting should apply.

The academic board unanimously approves.

#### **8) Various and Possible**

No further questions were arose by the Academic Board.

At 17:<sup>33</sup> the meeting is concluded.

Read and approved,

**The Coordinator**

**The recording Secretary**

Il Coordinatore del Dottorato in EPS XL Ciclo



Prof. Sandro Conticelli



Ms. Serena Cartei