
LORENZO STORI

Personal Info

Spoken languages

Italian (native)
English (advanced)
Spanish (intermediate)

Current occupation

Postdoctoral Research Fellow

University of Genova

March 2023 – current

- Project: *Rilevamento geologico e analisi stratigrafica e strutturale delle successioni di pertinenza Piemontese-Ligure e Delfinese-Provenzale affioranti nell'area del Foglio Carg n. 244 "Ormea".*
- Research focus: geological survey, mapping, turbidites, structural geology

Education

PhD in Earth Sciences

October 2019 – May 2023

- Jointly-supervised PhD thesis: **University of Pavia** (PhD in Earth and Environmental Sciences), **Universidad Complutense de Madrid** (Doctorado en Geología e Ingeniería Geológica)
- Research project: "*The Middle Triassic of Sardinia in the frame of the Western Tethys evolution*"
- Research focus: carbonate stratigraphy and facies interpretation, Middle Triassic, regional and interregional correlations, biostratigraphy, palaeogeographic reconstructions, analysis of stable oxygen ($\delta^{18}\text{O}$) and carbon ($\delta^{13}\text{C}$) isotope ratios and $^{87}\text{Sr}/^{86}\text{Sr}$ ratio in carbonates

Master's Degree in Applied Geological Sciences

University of Pavia | September 2018

- Final vote: 110/110 cum laude
- Thesis: "*Electrical resistivity tomography for the study of planetary analogs: validation of the geophysical model of the "Sirente main crater" through inversion of synthetic data."*
- Exams of interest: Basin analysis, Petroleum geology, Seismic interpretation for geological modelling, Applied geophysics and underground surveys, Structural geology, GIS, Hydrogeology, Environmental geochemistry.

Bachelor's Degree in Geological Sciences

University of Pavia | December 2016

- Final vote: 105/110
- Thesis: "*Stratigraphy and facies analysis of the Muschelkalk (Middle Triassic) of SW Sardinia*"

Academic experience

Postgraduate research scholarship

University of Pavia | 2019

- Research project: "Prevention of hydrogeological instability through sustainable vineyard management: geophysical study of unstable slopes" - Cariplo ATTIV AREE – Oltrepò(Bio)Diverso - Azione B2.4 - R&S Viticolo
- Research focus: geophysics, ERT (Electrical Resistivity Tomography), slope stability, underground surveys and modeling.

Teaching experience: seminar presenter

University of Genova | 2024 – 2 hours: "Rilevamento Geologico nel Progetto CARG: metodologie e applicazioni pratiche"

University of Pavia | 2024 – 6 hours: "Analysis and identification of carbonate rocks at the micro and macro scale."

Tutoring

University of Pavia

- Stratigraphy and Sedimentology: A.Y. 2016/2017; A.Y. 2017/2018; A.Y. 2020/2021; A.Y. 2021/2022
- Geological field survey and mapping: A.Y. 2017/2018

Publications

- **Stori, L.**, Diez, J.B., Juncal, M. et al.: "The Anisian continental-marine transition in Sardinia (Italy): state of the art, new palynological data and regional chronostratigraphic correlation." *J Iber. Geol.* (2022).
- **Stori L.**, Ronchi A., Gandin A., Márquez-Aliaga A., Márquez L., Ros-Franch S., Goy A., Martín-Chivelet J., López-Gómez J. "The Middle Triassic (Muschelkalk) transgression in W Tethys: biostratigraphic data from Sardinia (Italy). *Palaeoworld* (2023)"
- Menegoni, N., Cipriani, A., Scarani, R., **Stori, L.**, Romano, M., Citton, P., Nicosia, U. and Ronchi, A., 2023. "The Cala Viola-Torre del Porticciolo coastal area: a unique tectono-stratigraphic site to unravel the polyphase tectonics in NW Sardinia." *ITALIAN JOURNAL OF GEOSCIENCES*.

Attended Courses:

- International PhD School: Structure and Composition of the Lower Continental Crust. Pavia, from 7/10/2019 to 10/10/2019.
- PhD Winter School: Thermal history of basin-source systems: techniques, modelling, and applications. Pavia, from 10/2/2020 to 15/2/2020.
- Workshop: Bringing Deep Time in Focus: Opportunities and Challenges for Radioisotopic Dating and Time Scale Calibration, 1/4/2021, organized by the Subcommittee on Permian Stratigraphy
- Intensive School in Scientific Communication; ISAGS, University of Pavia, 15-17/11/2021.
- Workshop (online) - Stratigrafia Sequenziale: principi ed applicazioni tramite analisi sismo-stratigrafiche e palinologiche, Università degli Studi di Firenze, 20/12/2021

Academic grants:

- **Erasmus+ Traineeship** program, A.Y. 2021/2022: "Sequence and Stable Isotope Stratigraphy in Carbonate Platforms" – UCM, Universidad Complutense de Madrid, Facultad de Ciencias Geológicas, Madrid, Spain.
- **Mobility Scholarship for research periods abroad:**

-12th edition 2021/2022: UCM, Universidad Complutense de Madrid, Facultad de Ciencias Geológicas, Madrid, Spain.

-11th edition 2020/2021: UCM, Universidad Complutense de Madrid, Facultad de Ciencias Geológicas, Madrid, Spain. Universitat de Valencia, Valencia, Spain.

-10th edition, 2019/2020: UCM, Universidad Complutense de Madrid, Facultad de Ciencias Geológicas, Madrid, Spain. Universitat de Valencia, Valencia, Spain.

Congresses:

- "*Regional stratigraphic correlation, palaeogeography and age insights on the Anisian successions of Sardinia, through new and revised palynological analysis*". **Stori L.**, Diez J.B., Juncal M., De la Horra R., Borrueal-Abadía V., Martín-Chivelet J., López-Gómez J., Barrenechea J.F. & Ronchi A. 90° congresso della Società Geologica Italiana (online), Trieste, from 14/09/2021 to 16/09/2021
- "*The Anisian continental-marine transition in Sardinia (Italy): state of the art, new palynological data and regional chronostratigraphic correlation*". **Stori L.**, Diez J.B., Juncal M., De la Horra R., Borrueal-Abadía V., Martín-Chivelet J., López-Gómez J., Barrenechea J.F. & Ronchi A. 35th IAS Meeting of Sedimentology (online), Prague, from 21/6/2021 to 25/6/2021.
- "*The Anisian-Ladinian (Buntsandstein-Muschelkalk) paleogeographic evolution in W Tethys: biostratigraphic data from Sardinia (Italy) and regional correlation*". **Stori L.**, Ronchi A., López-Gómez J., Márquez-Aliaga A., Ros-Franch S., Goy A., Márquez L. Gandin A, Martín-Chivelet J. 21st ISC - International sedimentological congress, August 22-26 (Beijing, China, online)
- "*Ladinian biostratigraphic data from Sardinia (Italy) as a tool to reconstruct the Tethys transgression in Western Paleoeurope*". **Stori L.**, Ronchi A., López-Gómez J., Márquez-Aliaga A., Ros-Franch S., Goy A., Márquez L. Gandin A, Martín-Chivelet J. Geosciences for a sustainable future (SGI-SIMP), September 19-22 (Turin, Italy)
- "*Sedimentary record and sequence stratigraphy of the Middle Triassic carbonate ramp in Sardinia (Italy)*"
- Lorenzo Stori, Javier Martín Chivelet, José López-Gómez, and Luigi Ausonio Ronchi. EGU 2024, April 14-16, Vienna.
- "*Pre to syn orogenic evolution of the Piedmont-Ligurian oceanic covers: clues on the Flysch units of the Western Ligurian Alps (CARG project – Ormea sheet 244)*". Simone Lombardi, **Lorenzo Stori**, Laura Federico, Laura Crispini, Seno Silvio, and Maino Matteo. EGU 2024, April 14-16, Vienna.
- "*The Cala Viola-Torre del Porticciolo coastal area: classical geological survey and 3D digital outcrop models (DOMs) analysis to unravel the polyphase tectonics in NW Sardinia (Italy)*". Rudy Scarani, Angelo Cipriani, Niccolò Menegoni, **Lorenzo Stori**, Paolo Citton, Marco Romano, Umberto Nicosia, and Ausonio Ronchi. EGU 2024, April 14-16, Vienna.

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Genova, 27/09/2024

