

Curriculum Vitae Claudio Di Celma

UNIVERSITY EDUCATION

2002: PhD in Earth Sciences (University of Pisa)

1995: Laurea cum laude in Geological Sciences (University of Camerino)

INTERNATIONAL EXPERIENCE

2003 (6 months): Fellowship of the Università di Camerino for advanced studies in foreign countries:

“Advanced studies on aspects of high-resolution sequence stratigraphy” under the supervision of Prof. Steve Flint, STRAT Group, University of Liverpool, UK.

1999 (3 months): Course on “Sequence Stratigraphy” at the University of Texas, Austin, TX – USA. Prof. William L. Fisher.

1998: (3 months) Course on “Basin Analysis” at the University of Oregon, Eugene, OR – USA Prof. Rebecca J. Dorsey.

OVERVIEW

Associate Professor in Sedimentology and Stratigraphy at the University of Camerino (Italy). His personal expertise lies in the field of sedimentary geology, specifically: lithofacies and stratigraphic architecture analysis in outcrop, field mapping, sequence stratigraphy applied to outcrop successions and basin analysis. He received his degree in Geology from the University of Camerino in 1995 and completed my Ph.D. at the University of Pisa, which focused on sedimentation patterns during Pliocene and Pleistocene tectonic deformation of shallow-marine successions exposed along the Ecuador coast. After a 6-month-long fellowship at the University of Liverpool, in September 2003 he is back at the University of Camerino to undertake a postdoctoral research (Assegno di Ricerca) investigating the high-resolution sequence stratigraphic framework of Miocene, Pliocene, and Pleistocene shallow-marine clastic successions exposed in central Italy and northern Chile. He then moved to the University of Liverpool (from April 2006 to January 2008) as a postdoctoral research associate to work with Steve Flint and his Stratgroup on the depositional architecture, internal fills styles, and sequence stratigraphic framework of slope channel-levee complexes exposed in the Laingsburg depocenter of the Karoo Basin (South Africa).

His research focus is the stratigraphic record of sedimentary basins and it is aimed at using clastic sedimentology and stratigraphy to address problems in basin analysis and clastic reservoirs. He is particularly interested to decipher the signatures of tectonics, climate, sea-level change and sediment supply in both shallow-water and deep-water stratigraphic successions

FUNDED PROJECT AND PARTICIPATION TO FUNDED PROJECT

Scientific Director of the Sheet “Ascoli Piceno” Geological Sheet Carg Project: Geological map of Italy 1:50.000 (2021-2024). Founding by ISPRA.

Principal Investigator of the project “Paleontology within an Integrated Stratigraphic Context (P.I.S.Co): Unraveling the evolutionary patterns of marine vertebrates in the extraordinarily productive fossil scenario of the Eo-Miocene strata of the Pisco Basin (southern Peru)”. Founding by: University of Camerino, FAR 2019 (2020-2022).

Beneficiary of the Funding for Base Research Activities, FFABR 2017

Coordinator of Research Unit - PRIN 2012 (2014-2016) – “Marine biodiversity and primary productivity in the Neogene Andean forearc basins: relationship between marine vertebrate Konservat-Lagerstätten and diatom mats deposition. The role of volcanic ash in fertilizing sea surface water and the role of modern ocean circulation in enhancing coastal upwelling. The Pisco Formation (Peru) as a case study”. Founding by: Italian Minister of Instruction, University, and Research

Co-leader of the project "From the last archaeocetes to the first neocetes: a quest for the emergence of baleen whales and echolocating toothed whales in the Pisco Basin, Peru." (2016). Founded by: National Geographic Society's Committee for Research and Exploration (grant number: GEFNE177-16).

Co-leader of the project “From Diatoms to *Livyatan*: phytoplankton as a crucial factor for past marine mammal biodiversity and for fossil preservation: the case of the Mio-Pliocene Pisco Formation, Peru” (2014). Founded by: National Geographic Society's Committee for Research and Exploration

Co-leader of the RechProject (REservoir CHaracterization PROJECT) (2012 to present). Project funded by oil companies.

Academic associated of the Turbidite Research Group (TRG), University of Leeds.

Participant to the ATACAMES Project (Archivage de la Tectonique Active et du ClimAt sur la Marge d'Equateur en Subduction) (2012). The aim of the project is the study of sedimentary successions present along a continental margin subjected to tectonic erosion. This project, assessed P1 Priority by the French *Commission Nationale Flotte et Engins*, consists in the realization and study of offshore seismic sections and cores along the Pacific margin of Ecuador. Project leader: François Michaud, Université Pierre et Marie Curie/Géosciences Azur Villefranche sur Mer, France.

BIBLIOMETRIC INDICATORS

From Scopus:

Document results: 84

Sum of the times cited: 2209

h-index: 31

From Web of Science:

Total publications: 84

Sum of the times cited: 2085

h-index: 30

INSTITUTIONAL ROLES AND RESPONSABILITIES (UNIVERSITY OF CAMERINO)

Oct. 2020 – present: Coordinator of the bachelor degree in Scienze Geologiche e Tecnologie per l'Ambiente

Oct. 2018– Sept 2020: Coordinator of the bachelor degree in Geological, Natural and Environmental Sciences

2019-2020: Member of the Scientific Board of the PhD program in Physics, Earth and Material Sciences

2010-2014; 2017-2019: Member of the Scientific Board of the PhD program in Science and Technology

2006-2010: Member of the Scientific Board of the PhD program in Earth Sciences

CONFERENCE ABSTRACT

1999 – to present: more than 110 abstracts presented at national and international conferences

RESEARCH SUPERVISED

2015: Supervisor of Andrea Rustichelli (Post-doctoral)

2021 – to present: Main supervisor of Michele Malavolta (PhD)

2020 – to present: Main supervisor of Michela Pierini (PhD)

2016 – 2018: Co-supervisor of Alan Pitts (PhD)

2015 – 2017: Co-supervisor of Hannah Riegel (PhD)

2014 – 2016: Co-supervisor of Danica Jablonskà (PhD)

2013 – 2015: Main supervisor of Claudio Casciano (PhD)

BSc and MSc:

1996– to present: Advisor and co-advisor of more than 60 theses in geological mapping, facies analysis, and stratigraphy

Editorial duties:

28 Feb 2017 to present: Associate Editor, Journal of Marine and Petroleum Geology