

CV of Carlo Doglioni

Born in Feltre (Italy) 1957

1981-Doctor in Geology at the University of Ferrara

Assistant at the University of Ferrara, 1981-1983

Post-Doc at the University of Basel (CH), 1983-1984

Researcher at the University of Ferrara, 1983-1992

Associate professor University of Bari 1992-1994

Full Professor University of Basilicata, 1994-1997

Full Professor of Geodynamics, Sapienza University – Roma, 1997-

Experiences:

1985 - Visiting researcher at the University of Oxford,

1988; 1992; 1994 - Visiting researcher at the Rice University in Houston,

2015 - Visiting researcher at Columbia University, Lamont-Doherty Lab, New York,

1995 - Scientific party ODP Leg 161 in the western Mediterranean

1999 – present Research Associate of CNR-IGAG,

Field researches besides Italy: in Morocco, Mexico, Iran, Tunisia, Bulgaria, Hungary, Greece, Turkey, Japan, California, El Salvador, Ecuador, Iceland

Supervisor of 14 PhD thesis

Services:

Member of the Tectonics Panel, Ocean Drilling Program, 1992-1994

Director of the Geodynamics Department at the University of Basilicata, 1994-1997

President of the CNR strategic project CROP – Crosta Profonda (CNR-AGIP-ENEL), 1999-

Member of the Italian Geological Committee, 2003-

Vice-President of the Italian Geological Society, 2003-2008

Editor-in-Chief of Terra Nova 2003-

Editor-in-Chief of Earth Science Reviews 2012-

Associate Editor of Tectonics 2004-2012

Associate Editor of the Brazilian Journal of Geology 2013-

Editorial board Journal Structural Geology, 1987-2007; Bull. Soc. Géol. de France, 2000-2005
Compte Rendu Ac. Sci. Bulgare, 2006-; Italian Journal of Geosciences, 2000-

Coordinator project-PI of Sismologia 1 of the Italian Civil Protection, 2008-2010

Chairman of the School in Geological Sciences (Sapienza University), 2009-2012

President of the Italian Geological Society, 2009-2014

Scientific Panel of the CNR-Dipartimento Terra e Ambiente, 2010-2014

Research Panel (Sapienza University), 2010-2011

Commission of the Accademia dei Lincei for Environment and the Natural Hazards 2010-

Commission of the Accademia dei Lincei for Scientific Research 2014-

Reviewer of ERC, ESF, MIUR-PRIN, CIVR, ANVUR, International Private and Public universities,
foundations and institutions, etc.

Chairman Commissione Abilitazione Scientifica Nazionale Area 04/A2 - 2012-2014

International Atomic Energy Agency-IAEA expert

Member of the National Committee for International Union of Geological Sciences 2010-

Member of the CIRM, Ministry of Industry of Italy 2013-

Member of the Scuola Studi Avanzati Sapienza 2014-present

Member of the ANVUR-GEV 04 panel 2015-2016

President of INGV – Istituto Nazionale di Geofisica e Vulcanologia 2016-

Research activity:

- Asymmetry of orogens and foreland basins as a function of the subduction polarity
- Asymmetry of rift zones

- Evidences for the polarization of plate tectonics
- Westward drift of the lithosphere
- Seismicity versus Earth's rotation, lithostatic load and tectonic setting
- Mechanism of earthquakes
- Structure and geodynamic evolution of the Alps, Apennines and the Mediterranean
- Relationship between tectonics and sedimentation

Main achievements:

- Tectonic mainstream of plate motion
- Tectonic asymmetry of plate boundaries
- Earth's rotation role in driving plate tectonics
- New model on earthquake generation (graviquakes and elastoquakes)
- Atlas of the Italian deep crust (CNR-Agip-Enel)
- Mediterranean geodynamics

Fundings and research grants:

- PI of European Project, Miur-Prin (both national and local coordinator), ASI, CNR, Sapienza University, PI of several industrial contracts

Awards and academies:

- 1986 - Dal Piaz Award of the Italian Geological Society
- 1994 - Distinguished Lecturer of the AAPG, US tour
- 2004 - Spendiarov Award of the Russian Academy of Sciences, 32° IGC
- 2005 - Distinguished Lecturer of the AAPG, Europe tour
- 2005 - Member of the Academia Europaea
- 2006 - Member of the Istituto Lombardo di Scienze Lettere ed Arti

2007 - Member of the Istituto Veneto di Scienze Lettere ed Arti

2009 - Alfred Wegener Award, European Association of Geoscientists and Engineers

2009 - Member of the Accademia dei Lincei

2009 - Premio Sapienza Ricerca

2009 - Premio Bellunesi nel Mondo

2011 - Member of the Accademia Nazionale delle Scienze, detta dei XL

2013 - Premio SS Vittore e Corona, Feltre

2014 - Member of the European Academy of Sciences and Arts

2015 - Honorary Professor of Chinese Geosciences University, Beijing

2016 - Member of the Accademia delle Scienze di Torino