



RCANS²⁰¹⁷

The Regional Committee
on Neogene Atlantic Stratigraphy

10-13 July
2017

University of the Azores, Ponta Delgada, AZORES

www.rcans2017.org

Programme

	10	11	12	13
08:00	Registration		Field trip to "Sete Cidades"	
09:00				
09:00	GIS and remote sensing applications for the Atlantic Quaternary: case-studies	Neogene sea-level changes and its record in the Atlantic coasts		Terrestrial ecosystems in the Atlantic during the Quaternary: palaeoecological and palaeoclimatological reconstructions
09:30		Neogene high-energy events in the Atlantic		Palaeobiogeography and palaeoecology of MIS 5e and MIS 11 deposits in the Atlantic coasts
10:00				
10:00				
10:30				
10:30				
11:00				
11:00	Coffe break			Coffee break
11:30	Geological evolution of oceanic islands	Palaeogeography and palaeoecology of the Atlantic margins during the Neogene		Palaeobiogeography and palaeoecology of MIS 5e and MIS 11 deposits in the Atlantic coasts
12:00				
12:00				
12:30				
12:30				
13:00				
13:00	Lunch			Lunch
14:30	Geological evolution of oceanic islands	Palaeogeography and palaeoecology of the Atlantic margins during the Neogene		Free evening
15:00		Atlantic rocky and sandy coastlines during the Neogene		
15:00				
15:30				
15:30				
16:00				
16:00	Coffe break			
16:30	Geological evolution of oceanic islands	Atlantic rocky and sandy coastlines during the Neogene		
17:00				
17:00	Neogene sea-level changes and its record in the Atlantic coasts	Terrestrial ecosystems in the Atlantic during the Quaternary: palaeoecological and palaeoclimatological reconstructions		
17:30				
17:30				
18:00				
19:00	Ice break "Centro Municipal de Cultura"	Free dinner	Farewell dinner "Cais 20"	

Monday, July 10th

8:00 – 9:00

Registration at the hall of the Scientific Complex (University of the Azores)

GIS and remote sensing applications for the Atlantic Quaternary: case-studies

9:00

Artur Gil

Potential contributions of Coastal GIS and Remote Sensing based applications for improving the knowledge in the palaeogeography and palaeoecology of the Atlantic margins

9:30

Elisabetta Menini, B. M. Schemes, A.V.T. de Magalhães

Overview and Comparative Analysis of the legal instruments at international and national level for the conservation of geological and paleontological heritage in EU

10:00

Vera Noon, Anthony Mastitski

Maritime Spatial Planning and Palaeontology: Santa Maria (Azores) as a case study

10:30

Vera B. Raposo, C. S. Melo, L. Silva, P. Madeira, R. Cordeiro, A. C. Rebelo & S. P. Ávila

Methods of evaluation of geosites: Santa Maria Island geosites as a case-study

Geological evolution of oceanic islands

11:30

El Hassane Chellai

Geodynamical evolution of a foreland basin of the Atlas region (Morocco): the Neogene and Quaternary deposits of the northern side of the Atlas of Marrakesh

12:00

Ricardo S. Ramalho

The conundrum of ocean island uplift revisited – insights from a stationary plate environment

12:30

Ricardo S. Ramalho, G. Helffrich, J. Madeira, M. Cosca, C. Thomas, R. Quartau, A. Hipólito, A. Rovere, P. J. Hearty & S. P. Ávila

Emergence and evolution of Santa Maria Island (Azores)

14:30

Alessandro Ricchi, R. Quartau, R. S. Ramalho, C. Romagnoli & D. Casalbore

Marine terraces development on reefless volcanic islands: new insights from high-resolution marine geophysical data from Santa Maria Island (Azores Archipelago)

15:00

Rui Quartau, Ricardo S. Ramalho, Jesús Rivera, Fernando Tempera, Covadonga Orejas, Pedro Afonso, Alessandro Ricchi

The role of volcanism, tectonics and erosion in the development of Formigas Bank (Azores, NE Atlantic)

15:30

Will Zhongwei Zhao, N. Mitchell, R. Quartau, F. Tempera & L. Bricheno

Post-eruptive Submarine Terrace Development of Capelinhos, Azores

16:30

Daniele Casalbore, C. Romagnoli, A. Pimentel, R. Quartau, D. Casas, G. Ercilla, A. Hipólito, A. Sposato, E. Martorelli, F.L. Chiocci and FAIVI team

Morpho-structural setting of Terceira offshore revealed by high-resolution multibeam bathymetry and seismic profiles

Neogene sea-level changes and its record in the Atlantic coasts

17:00

Ildfonso Armenteros, P. Legoinha, C. J. Dabrio, J. Civis, J. A. Delgado, G. Alonso Gavilán & A. Martínez Graña

Cyclicity and depositional model of Langhian-Serravallian warm-temperate carbonates of the Lagos-Portimão Formation (Algarve, South Portugal)

17:30

Esther Martín González & A. G. Rodríguez

Neogene sea-level changes record at the Canary islands: eustatism and tectonic

19:00

Ice break at “Centro Municipal da Cultura”

Meeting point in the hall of the Scientific Complex (University of the Azores)

Tuesday, July 11th

9:00

Neil C. Mitchell

Depths and shapes of nearshore sandy clinofolds on high wave-energy coasts

Neogene high-energy events in the Atlantic

9:30

Markes E. Johnson

Stratigraphic record of Neogene hurricane deposits on islands in the Macaronesian Realm (NE Atlantic Ocean)

10:00

Sérgio P. Ávila, R. Paris, R. S. Ramalho, E. Rolán, E. Martín González, C. S. Melo, R. Cordeiro & J. Madeira

Glacial age megatsunami fossil deposits in volcanic oceanic islands: a biological point of view

10:30

Alfréd Dulai

Neogene brachiopods of the North Sea Basin

Palaeogeography and palaeoecology of the Atlantic margins during the Neogene

11:30

Esther Martín González, J.L. Vera-Peláez, C. Castillo & M.C. Lozano-Francisco

Gastropod molluscs assemblages from the upper Miocene (Tortonian) of Lanzarote, Fuerteventura and Gran Canaria (Canary Islands, Spain). Chronostratigraphic and paleoenvironmental implications.

12:00

Joana Ferreira, F. J. Sierro & P. Legoinha

Influence of orbitally-controlled climatic changes on planktonic foraminifera of Montemayor-1 (Huelva, Spain) between 5.6 and 5.5Ma

12:30

Björn Berning & S. P. Ávila

Fossil Bryozoa in the Azores – the clash between biogeographic patterns and Neogene ocean circulation in the North Atlantic

14:30

Sérgio P. Ávila

The palaeobiodiversity of the Azores: 15 years of research, from the Pliocene to the Recent

Atlantic rocky and sandy coastlines during the Neogene

15:00

Carlos Marques da Silva, M. Cachão, A. C. Rebelo, M. E. Johnson

Taphonomic development of shelly and diverse macroid deposits off a high-energy rocky shore: Lower Miocene carbonates from the Lagos area (southern Portugal)

15:30

Markes E. Johnson

Overview on spatial relationships between Neogene to modern rocky and sandy shores in the Macaronesian Realm (NE Atlantic Ocean)

16:30

Ana Cristina Rebelo, M. E. Johnson, R. S. Ramalho & R. Quartau

Rhodoliths and associated sediments around reefless volcanic island shelves (Azores and Madeira Archipelagos, NE Atlantic)

17:00

Alfred Uchman

Trace fossils in Neogene sediments of Santa Maria Island (Azores, Portugal)

Terrestrial ecosystems in the Atlantic during the Quaternary: palaeoecological and palaeoclimatological reconstructions

17:30

Vítor Gonçalves & P. Raposeiro

Major environmental changes in the Azores in the last 6000 years: a paleolimnological perspective

Wednesday, July 12th

Field trip to “Sete Cidades”

Meeting point in hall of the Scientific Complex (University of the Azores), at 9:30 am.

Thursday, July 13th

Terrestrial ecosystems in the Atlantic during the Quaternary: palaeoecological and palaeoclimatological reconstructions

9:00

Helena Sousa Marques, P. M. Raposeiro, A. Hernández, M. J. Rubio-Inglés, A. Sáez, S. Giralt, R. Bao & V. Gonçalves

Late Holocene environmental reconstruction in Empadadas Norte Lake (Azores archipelago, Portugal) based on diatom assemblages.

9:30

Pedro Miguel Raposeiro, J. Vilaverde, V. Gonçalves, A. Hernández, A. C. Costa, R. Bao, S. Giralt & A. Sáez

The ecological impacts of the climate changes and human colonization on cladocera and chironomid assemblages in oceanic islands – the Holocene Caveiro Lake record (Azores archipelago)

Palaeobiogeography and palaeoecology of MIS 5e and MIS 11 deposits in the Atlantic coasts

10:00

Patrícia Madeira, Andreas Kroh, C. S. Melo, R. Cordeiro & S. P. Ávila

Echinocyamus pusillus (Echinodermata; Echinoidea): a new record from the Pleistocene of Santa Maria island (Azores, NE Atlantic)

10:30

Carlos S. Melo, C. Marques da Silva & S. P. Ávila

Palaeobiogeography of the eastern Atlantic and Mediterranean Neogene molluscs: implications for the Quaternary in the Macaronesian region

11:30

Ricardo Cordeiro, P. Madeira, L. Silva, A. M. de Frias Martins & S. P. Ávila

The littoral gastropod fauna of the North-Atlantic Ocean and adjacent Seas: a biodiversity and biogeographical analysis

12:00

Lara Baptista, A. M. Santos, M. P. Cabezas & S. P. Ávila

How does paleontological and geological information influence inferences drawn from genetic data?

12:30

Sérgio P. Ávila, R. Cordeiro, P. Madeira, L. Silva, A. Medeiros, A. C. Rebelo, C. S. Melo, A. I. Neto, R. Haroun, A. Monteiro, K. Rijdsdijk & M. E. Johnson

Cutting the Gordian knot: contrasting biogeographic patterns and processes during glacial and interglacial episodes in volcanic oceanic islands