

IGCP 648

2020 Annual Meeting (at EGU, Vienna, 3-8 May)

Session GD6.2: **“From Gondwana to Pangaea: terrane “teleportation” during the assembly of the last supercontinent and geodynamic drivers”**

Conveners: Cecilio Quesada (IGME, Madrid, Spain), J. Brendan Murphy (STFX Univ, Antigonish, NS, Canada), Weihua Yao (Sun Yat-sen Univ, Guangzhou, China), Daniel Pastor Galán ((FRIS, Tohoku Univ, Japan)

and

Field trip (Spain-Portugal, 9-18 May)

Field Trip: “From the amalgamation of Gondwana to the breakup of Pangea: evidence in SW Iberia” (*)

Led by:

Cecilio **Quesada** and Teresa **Sánchez-García**, Instituto Geológico Minero de España (IGME), Madrid, Spain

J. Javier **Álvarez**, Instituto de Geociencias IGEO (CSIC-UCM), Madrid, Spain

Pedro **Terrinha**, Instituto Português do Mar e da Atmosfera (IPMA) and Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

FIELD TRIP PRELIMINARY PROGRAM

Saturday, May 9

Flight from Vienna to Madrid, gathering at Madrid airport and travel by bus to the field area (ca. 370 km). Night visit to the Roman theater/amphitheater in Mérida. Stay overnight at Mérida

Sunday, May 10

Cadomian retro-arc foreland basin fill (Eldiacaran-Terreneuvian) including ca. 565 Ma glaciomarine diamictites and structure (ca. 200 km). Stay overnight at Mérida.

Monday, May 11

Cadomian arc at Mérida and Cadomian suture zone along the Badajoz-Córdoba shear zone (ca. 180 km). Stay overnight at Zafra

Tuesday, May 12

Cadomian back-arc basin, Cadomian unconformity and mid-crust Lower Cambrian rift-related migmatites and plutons along the Monesterio antiform (ca. 200 km). Stay overnight at Zafra

Wednesday, May 13

Cambrian rift sequence (both limbs of the Monesterio antiform) and breakup unconformity at Venta del Ciervo (ca. 220 km). Stay overnight at Aracena

Thursday, May 14

The southwestern Iberia Variscan suture (Pulo do Lobo oceanic sequences, arc plutonic rocks and Beja-Acebuches ophiolite (ca. 180 km). Stay overnight at Aracena

Friday, May 15

The exotic South Portuguese terrane (Laurussian affinity). Visit to Riotinto mine in the morning (ca. 100 km). Stay overnight at Aracena

Saturday, May 16

Travel to Lisbon (ca. 310 km). Free day and stay overnight in Lisbon

Sunday, May 17

Lusitanian basin and formation of the Atlantic margin of Iberia during the Mesozoic (ca. 120 km). End of the trip. Stay overnight in Lisbon

Monday, May 18th

Bus will eventually bring attendees to Lisbon airport before returning to Madrid in the morning (estimated arrival at Madrid airport in the afternoon (ca. 640 km). Attendees may choose either returning to Madrid or departing from Lisbon airport.

(*) Costs to be established later depending on attendance.