

**7th International Triassic Field Workshop
(Pan-European Correlation of the Triassic)**

**Dolomites
Field trip to the UNESCO World Heritage Site of the Tethyan
Triassic**

September 5–10, 2010, Dolomites, Southern Alps, Italy

3rd Circular

"The nine components of The Dolomites World Heritage property protect a series of highly distinctive mountain landscapes that are of exceptional natural beauty. Their dramatic vertical and pale colored peaks in a variety of distinctive sculptural forms is extraordinary in a global context. This property also contains an internationally important combination of earth science values. The quantity and concentration of highly varied limestone formations is extraordinary in a global context, whilst the superbly exposed geology provides an insight into the recovery of marine life in the Triassic period, after the greatest extinction event recorded in the history of life on Earth. The sublime, monumental and colorful landscapes of the Dolomites have also long attracted hosts of travellers and a history of scientific and artistic interpretations of its values."

(Declaration of outstanding universal value, World Heritage Committee, Seville
26.06.2009)



Program

Sunday, September 5th, 2009

From 5 p.m. Registration at the Museum of Nature South Tyrol

6 p.m. Icebreaker Party, Museum of Nature South Tyrol (Geology and wine)

6 p.m. VOLKMAR MAIR: The geology of the vineyards

7.30 p.m. PIERO GIANOLLA: Dolomites and the UNESCO (FILM)

8.00 p.m. ALFONSO BOSELLINI: The Geology of the Dolomites

8.30 p.m. MARCO AVANZINI: Importance of the Dolomites for geological and palaeontological studies

Field Trip

Please pay attention to the fact that on the first two days we must divide the group. Each group will follow a different path and have different topics. Please decide in advance which topic is more interesting for you.

Monday, September 6th, 2009

The Bletterbach gorge (Late Permian – Early Triassic)

Guides: MARCO AVANZINI, MASSIMO BERNARDI, **ANNA BREDÀ**, EVELYN KUSTATSCHER & PIERO GIANOLLA

10.00 a.m. Start from the Geoparc visitor center

Since it is not possible to visit the gorge as a whole (because of a small land slide in 2009), we will need to divide the group:

- a) Visit to the top of the “Athesian porphyric platform”, the transition to the Upper Permian Val Gardena Sandstone with various climatic signals, up to the bottom of the waterfall, as well as a small test gallery. (Guides: MARCO AVANZINI, ANNA BREDÀ)
- b) From the top of the waterfall (with the famous cuticle horizon), with the upper part of the Val Garden Sandstone, along the gorge to the end of the gorge, the transition between the Upper Permian Bellerophon Formation and Lower Triassic Werfen Formation. (Guides: PIERO GIANOLLA, EVELYN KUSTATSCHER, MASSIMO BERNARDI)

4.00 p.m. Visit to the Museum of the Geoparc Bletterbach with some small refreshments

5.30 p.m. Pietralba (Parking) for a view and discussion on the Latemar and Catinaccio / Rosengarten (NEREO PRETO)

6.15 p.m. Parking Carezza Lake (near Passo di Costalunga) another view of the Latemar and Catinaccio / Rosengarten Middle Triassic carbonate platforms

7.00 p.m. arrival to the hotel in Campitello di Fassa and dinner

9 p.m. NEREO PRETO & MARCO FRANCESCHI: Geology of the Latemar

Tuesday, September 7th, 2010

Passo Feudo, Mt. Agnello and Latemar (Middle Triassic)

Guides: MARCO FRANCESCHI, STEFANO FURIN, PIERO GIANOLLA, PAOLO MIETTO, **NEREO PRETO**, GUIDO ROGHI & MARCO STEFANI

9.00 a.m. Start from Predazzo with the cableway up to Passo Feudo

10.00 a.m. General geologic introduction at Passo Feudo

The group will be divided. Option **b) is only for experienced hikers**, part of the program is off trail, although no alpinistic skills are required:

- a) Dos Capel to Buse de Tresca (geological pathway): here the basal succession can be observed: Richthofen Conglomerate, Morbiac Limestone, Moena Fm., Livinallongo Fm., as well as the Stava line and the volcanic deposits on top of the Agnello platform, the magmatic dikes and the contact metamorphism (Guides: ELIO DELLANTONIO, STEFANO FURIN, PIERO GIANOLLA, MARCO STEFANI)
- b) Rifugio Torre di Pisa (*NB: a hike off-trail on a steep grassy meadow*): Here the Richthofen conglomerate, Morbiac Limestone and Contrin Fm. Can be observed, at the Rifugio Torre di Pisa also the platform interior. From there it goes to Cima Feudo where the marginal boundstones, slope facies and toe-of-slope calcarenites can be observed. (Guides: MARCO FRANCESCHI, NEREO PRETO, GUIDO ROGHI)

5.00 p.m. Visit to the Predazzo Museum, hosted by ELIO DELLANTONIO.

6.00 p.m. PAOLO MIETTO: Middle Triassic Ammonoid biostratigraphy

7.00 p.m. Back to Campitello di Fassa (TN) for dinner and overnight.

Wednesday, September 8th, 2010

Col Rodella and P.ta Grohmann (Upper Ladinian – Lower Carnian)

Guides: **PIERO GIANOLLA**, PAOLO MIETTO, VINCENZO PICOTTI, GUIDO ROGHI & MARCO STEFANI

9.00 a.m. Start with the cableway up to Col Rodella: Introduction on the tectonics of the Dolomites

9.30 a.m. Along the path to Punta Grohmann section: view of the “Caotico Eterogeneo” and vulcanoclastics. Following the path in direction north-northwest a succession starting from the chaotic of the Fernazza Fm., the volcanics, and the Marmolada conglomerate with high and low density turbidites. In the section the passage between the Wengen Fm. and the St. Cassian Fm. can be observed.

4.30 p.m. Back to Campitello di Fassa (TN)

5.00 p.m. Vigo di Fassa, Start with the cableway up to Ciampedie for a spectacular view of the Catinaccio, Torri del Vajolet, Pale Rabbiose and Larsec. The topic of the

stops are the large scale geometry and the start up of the middle Triassic high relieve carbonate platforms. At the end, some refreshment offered by the local authorities.

7.00 p.m. Back to Campitello di Fassa (TN) for dinner and overnight.

Thursday, September 9th, 2010

Sella Group Ronda (Middle and Upper Triassic)

Guides: PIERO GIANOLLA, NEREO PRETO, **GUIDO ROGHI** & MARCO STEFANI

8.30 a.m. start with some buses for the Sella Ronda: from Campitello di Fassa toward Canazei, Passo Pordoi (Col Rossi – Sass Beccè), Passo Campolongo (Caotico Eterogeneo), Passo Gardena (up to Col di Frea), Passo Sella (the famous “cipit” boulder and the Locomotiva section).

The day is dedicated to the isolated Carnian atoll of the Sella Group and to the discussion about different generations of post volcanic carbonate platforms and related basinal deposits.

7.00 p.m. Back to Campitello di Fassa (TN) for dinner and overnight.

9.00 p.m. GUIDO ROGHI: The amber of the Dolomites

Thursday, September 10th, 2010

Lagazuoi, Col dei Bos and Tofana di Rozes (Upper Triassic)

Guides: **ANNA BREDÀ**, PIERO GIANOLLA **NEREO PRETO** & GUIDO ROGHI

8.00 a.m. start from Campitello di Fassa to the Falzarego Pass via Passo Fedaià, where during the travel, we will have a wonderful view of the Marmolada and of the volcanics and volcanoclastics above the platform.

9.30 a.m. Passo Falzarego where an introduction about the geology of the area will be given. Afterwards the group will take a cableway to the top of the Lagazuoi (2650 m asl)

A path leads to Col dei Bos via Forcella Travenanzes, where the top Cassian Dolomite (lower Carnian), the Heiligkreuz and Travenanzes Fms are visible. From Col dei Bos, long the old military road, we will come down to the hill crossing different basinal units and the interfingering with the carbonate platforms. In the afternoon, from the Rifugio Bai de Dones a cablelift takes the group up to the 5 Torri for a panoramic view of the Tofane and Cenera.

The day is dedicated to the stratigraphic organisation of the Carnian interval with the progressive closure of the basins related to the progradation of the carbonate and the terrigenous shoreline and the definitive flattening of the paleotopography (Dolomia Cassiana, S. Cassiano, Heiligkreuz, Travenanzes Fms, and Dolomia Principale).

The end of the field trip is close to Cortina d'Ampezzo (BL), BUT we will be back to Campitello for the last night!!!!!! This night is included in the registration fee.

For those, that need to get on the same evening back to Bolzano or Padova, please contact us beforehand.

With the exception of Rif. Torre di Pisa (program (b), Tuesday, 7th), all excursions only require basic walking skills, however, most localities are on high mountain environments (up to 2400 m altitude), thus warm/waterproof coating and walking boots are recommended.

Transport will be arranged by private cars and possibly some mini-buses.

Accommodation

Please remember that the first night in Bolzano must be organised by yourself (5th September). We organise only the nights from September 6-10, 2010.

Below you find a list of some nearby hotels that got us some special rates for the workshop. Price list (per day, including breakfast): **Please remember to indicate the conference and/or the Museum to get these special prices.**

Other hotels and information can be found under: <http://www.bolzano-bozen.it>

address	Contact	Single room	Double room
HOTEL MONDSCHEN ****	Tel: +39 0471 975642 e-mail: info@hotel-luna.it www.hotel-luna.it	91,00 €	147,50 €
HOTEL STIEGL ****	Tel: +39 0471 976222 e-mail: info@scalahot.com www.scalahot.com	72,00 €	104-134,00 €
HOTEL CITTA' ***	Tel: +39 0471 975221 e-mail: info@hotelcitta.info www.hotel-luna.it	86,00 €	120,00 €
HOTEL FIGL ***	Tel: +39 0471 978412 e-mail: info@figl.net www.figl.net	85-95,00 €	112-122,00 €
HOTEL REGINA A. ***	Tel: +39 0471 972195 e-mail: info@hotelreginabz.it www.hotelreginabz.it	65-80,00 €	100-120,00 €
HOTEL FEICHTER **	Tel: +39 0471 978768 e-mail: info@hotelfeichter.it www.hotelfeichter.it	55,00 €	85,00 €
Youth Hotel Bolzano/Bozen	Tel: 0471 / 300865 e-mail: bozen@jugendherberge.it http://bozen.jugendherberge.it	25,00 €	22,00 € (shared room of 3-4 persons)

The organising committee

PIERO GIANOLLA (COORDINATOR): Dipartimento di Scienze della Terra, Università di Ferrara

MARCO AVANZINI: Museo Tridentino di Scienze Naturali, Trento

EVELYN KUSTATSCHER: (SEGRETARIAT): Naturmuseum Bozen

PAOLO MIETTO: Dipartimento di Geoscienze – Università di Padova

NEREO PRETO: Dipartimento di Geoscienze – Università di Padova

GUIDO ROGHI: Dipartimento di Geoscienze – Università di Padova & CNR – Institute of Geosciences and Georesources Padova