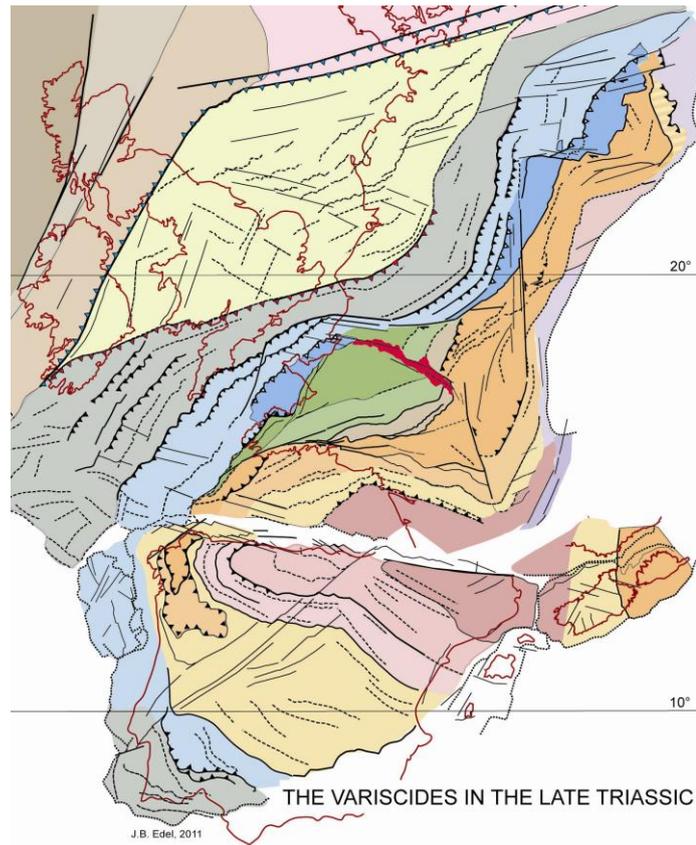


Length scales, time scales and relative contribution of Variscan orogenic events to formation of European crust

Special meeting of French and Italian Geological Societies

May 22-23th 2012, Sassari



<http://variscan2012.uniss.it>

Second Circular

The main objectives of this conference are to discuss: 1) role of Ordovician tectonics (and related magmatism, volcanism and development of sedimentary basins) in the formation of future Variscan system, 2) timing and relative contribution of Devonian–Carboniferous subduction processes on reworking of continental crust in different parts of Variscan belt, and 3) final building of the Variscan crust during Late Carboniferous–Permian in South Western Europe and their relationships with the pre-structuring of the Alps.

Presentation of the preliminary program

Key notes

Taras Gerya (ETH Zurich): Thermal and mechanical 2D and 3D models of delamination as an extreme heat source in collisional orogens

Gérard Stampfli (University of Lausanne): Paleogeographic reconstructions of Pangea formation

Nicolas Coltice (Ecole Normale Supérieure, Lyon): Global warming of the mantle at the origin of flood basalts over supercontinents: implications from Pangea breakup

Gianreto Manatschal (Ecole et Observatoire des Sciences de la Terre, Strasbourg): Significance of orogenic collapse in pre-structuring the continental lithosphere and subsequent rifting: role of inheritance, granulites, and magmatic underplating.

Two distinguished lectures will be given in the recognition of research contribution to Variscan belt:

Jean Bernard Edel (Ecole et Observatoire des Sciences de la Terre, Strasbourg, France): Structure and geodynamic evolution of the Variscan belt during the Carboniferous derived from geophysical data.

Jürgen von Raumer (University of Fribourg, Switzerland): Pre-Mesozoic Alpine basements – their place in the European Paleozoic framework

Symposium: Late Carboniferous to Permian high temperature event in the Variscan belt

(Selection of proposed lectures – other lectures are welcomed)

José R. Martínez Catalán, Francisco J. Rubio Pascual, Alejandro Díez Montes, James E. Alcock, Rubén Díez Fernández, Juan Gómez Barreiro, Icaro Dias da Silva, Emilio González Clavijo, Puy Ayarza (University of Salamanca, Spain): The late Variscan HT/LP metamorphic event in the Iberian branch of the Variscides: Relationships with crustal thickening, nappe emplacement, orocline development, and crustal evolution

Michel Faure (University of Orleans, France): Late Variscan crustal melting and tectonic setting of plutonism in French Massif Central and Massif Armoricain

Richard Scrivener (British Geological Survey, UK): Tectonic setting of Cornubian batholith and associated sedimentary basins evolution in SW England

Yoan Denele and French Pyrenees group (University Toulouse, France): Time scale of gneiss dome formation and large-scale crustal flow: Variscan plutons and related gneiss domes in the French Pyrenees

Philippe Rossi (Bureau des Recherches Géologiques et Minières, Orleans, France): HT to UHT thermal event at the southern branch of European Variscan belt

Vojtech Janousek and Czech Bohemian Massif team (Czech Geological Survey, Prague): What drives remelting of thickened continental crust in the Bohemian massif?

Karel Schulmann and Reimar Seltmann (EOST, Strasbourg and CERCAMS, London): Relative contribution of crustal accretion and magmatic recycling in the Central Asian orogenic Belt – an analogue to the European Variscan belt

Maria Iole Spalla, Anna Maria Marotta, Gisella Rebay, Davide Zanoni, Michele Zucali (University of Milano): The transition from Variscan collision to continental break up in the Alps: advices from the comparison between natural data and numerical model predictions.

“VARISCAN 2012” GENERAL ORGANIZATION OF THE CONFERENCE AND FIELD TRIPS.

Registration and submission of abstracts deadlines are postponed to March 15 2012.

The participation to the pre-conference and/or post-conference field trips is only restricted to those who registered to the Congress Variscan 2012.

A- THE CONFERENCE.

The conference will be held in Sassari May 22 and 23 at Polo Scientifico via Piandanna 4 (see figure 1). The opening session will begin 22 May, at 09 30 h.

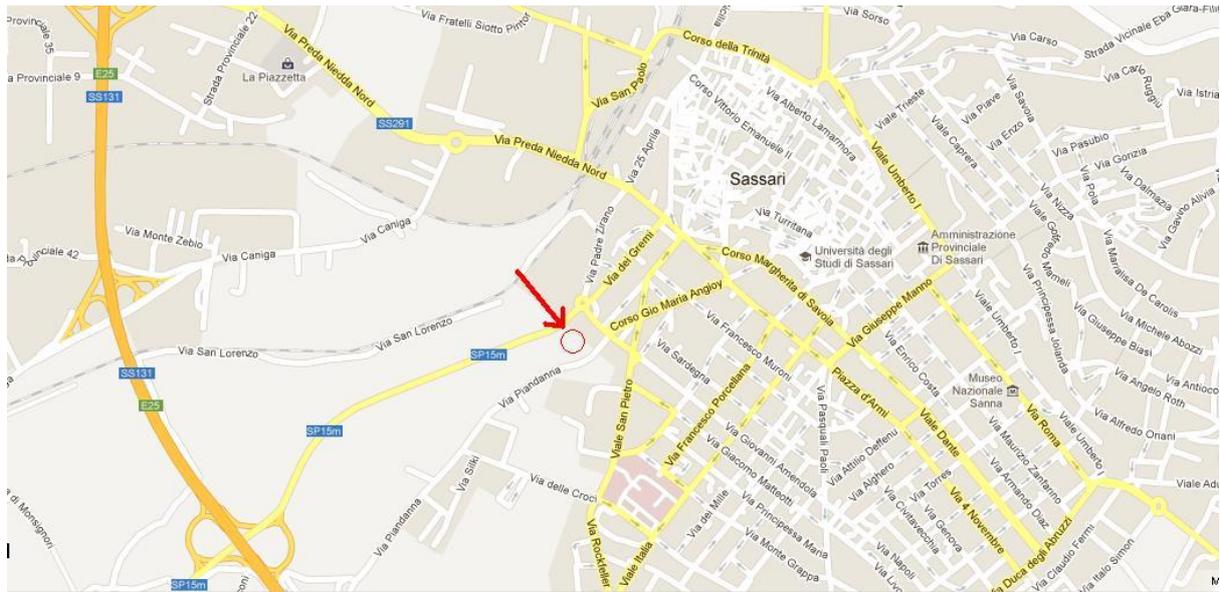


Figure 1

Abstracts and Publications

The abstracts will be published in a special volume of *Geology of France and surrounding areas* edited by the BRGM.

Maximum format for an abstract is 3 pages i.e. : 2 page A4 (about 1 400 words, text typed using Microsoft Word) and, if necessary one figure (black & white or color as .jpeg or .pdf format) to be published in A4 format.

Abstracts have to be send to: variscan2012@uniss.it

To be published, abstract have to be accompanied by a registration.

The dead line for submission of abstracts is postponed to 15 March 2012.

Special volume of *highly ranked international journal* (review articles) and special volume of Bulletin de la Société Géologique de France (thematic processes-oriented articles) will be dedicated to the meeting. The deadline for paper delivery is December 30, 2012.

Conference format

Invited lectures (30 minutes including discussion), lectures (15 minutes including discussion), posters introduced by 3 minutes presentations.

B- PRE- & POST CONFERENCE FIELD TRIPS.

Each one of the 3 parts of the field trip can be followed solely.

For participants to the pre-conference Maures field trip: the meeting point is Saturday May 19 in Nice at 07 h 00 at the University of Nice in front of the main gate of the Valrose campus; end of the trip is Toulon at 19h00.

A ferry (Company: Corsica Ferries, ship: Mega Express 5) with departure at 22h00, will ensure the transfer to Corsica for the participants to the Corsican section.

For participants to the pre-conference Corsica field trip: the meeting point is Sunday May 20 in Bastia at 07h00 on the Harbor. End of the trip is at Bonifacio, Monday May 21 at 17:00. A ferry will carry the participants to Sardinia. At the arrival in Santa-Teresa-di-Gallura (Sardinia) a bus will ensure the transfer to Sassari for participants coming from the Corsica trip.

For participants to the post-conference Sardinia field trip: the meeting point is in Sassari, Thursday May 24 at 06 00 h. End of the trip is in Sassari, Saturday May 26 at about 21 00 h.

Notes on the post-conference excursion through the Maures Massif.

Duration : 1 day

Number of participants : 24.

Costs: 60 euros/person (This cost include transport and lunch but not dinner in Toulon before transfer to Corsica).

Program:

Day 1 (May 19)–The itinerary of the excursion will follow the coast between Nice and Toulon, crossing the entire orogenic segment of the Maures - Tanneron massif according to the decreasing metamorphic gradient (from migmatites to graptolites schist). Syn-kinematic melting of the crust during exhumation and significance of the HP basic boudins in migmatites are two major points that will be further discussed.

Notes on the pre-conference excursion through the Variscan section of Corsica.

Duration : 2 days.

Number of participants : 24.

Costs: 160 euros/person (the costs include all transports within the Corsica island, from Ile Rousse to Bonifacio; the night and breakfast in Corte; the lunches; the ferry between Corsica and Sardinia and the bus to drive participants from Santa-Teresa-di-Gallura to Sassari. The dinners day 1 [Corsica] and day 2 [Sardinia] are not included.

Program:

Day-1 (May 20)– route from Bastia to Galeria and back to Corte. Morning: Visit to the Galeria section: Low grade deformed Panafrican micaschists uncomfortably topped by non-metamorphic Ordovician (Caradocian) conglomerate. This section is interpreted as a witness of the Hinterland of the South Variscan Realm.

Afternoon: visit to the Belgodere metamorphic complex (Internal zone) and relationships with the Mg-K Visean plutonism.

Night in Corte.

Day-2 (May 21) –from Corte to Bonifacio. Morning: visit to the section of the base of the Piemontese nappe of Santa Lucia, low pressure Permian

metamorphism : kinzigites and mafic complex. Road to Porto-Vecchio and visit to the high-grade metamorphic complex. Arrival at Bonifacio before 17:00 (last ferry to Santa-Teresa-di-Gallura, Sardinia).

Notes on the post-conference excursion through the Variscan section of Sardinia.

Duration: 3 days.

Number of participants: 32.

Costs: 300 euro/person (the costs include all transports, the fees to enter the Asinara national Park, overnight stay and dinner in Nuoro between day2 and day3, breakfast of day3, the lunches. Overnight and dinner between day1 and day2 are not included).

Program:

Day-1 (May 24)-The Asinara Island high-grade metamorphic complex: the migmatitic basement and its relationships with the high-strained phyllonitic belt hosting mafic boudins with eclogitic relic assemblages. Departure from and arrival in Sassari.

Day-2 (May 25)-Anatomy of the Middle-Ordovician volcanic arc and deformation in the external Nappe zone: structural and geochronologic relationships between the arc-related rocks and the 'Sardic Unconformity' Departure from Sassari and overnight in Senorbi.

Day-3 (May 26)- The external Nappe zone, the fold and thrust belt and the infra-Ordovician angular unconformity (Sardic Phase). Departure from Senorbi and arrivals in Sassari late in the evening, end of the field trip. Upon request, we could have an optional stop at the Cagliari airport around 18:00.

C- REGISTRATION.

IMPORTANT NOTE: All the payments have to be send to the "Société Géologique de France": 77 rue Claude Bernard, 75005 Paris, France (web site: <http://sgfr.free.fr/seance/variscan2012/index.php>) and do have to be accompanied by a copy of the abstract.

NB: an upgrade of the registration screen on the SGF website is being done in order to fit with the second circular.

Inscription to the pre-conference field trip in the Maures Massif	60	€
<i>Ferry from Toulon to Bastia (Corsica Ferries, Mega Express 5)</i>	50	€
Inscription to the pre-conference field trip in Corsica	150	€
Inscription to the Conference in Sassari	senior 150 junior 80	€
Inscription to the post-conference field trip in Sardinia	senior 200 junior 150	€
TOTAL		€

Any new information after the second circular prior to the Conference will be provided on the web site: <http://variscan2012.uniss.it>

For information consult the web-site or Karel SCHULMANN

(schulman@unistra.fr), Giacomo OGGIANO (giacoggi@uniss.it)

For administrative and practical questions: variscan2012@uniss.it