

15:50 – 15:55 BREAK

**Inaugural Symposium
of the International Geoscience
Programme
IGCP Project 710**



United Nations
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Cultural Organization



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"Building peace in the minds of men and women"

Project 710 - Western Tethys meets Eastern Tethys

Brief outline of the project

The geological history of Tethys Ocean is broadly established. Yet many details are still unknown and many major questions remain, related to geotectonics, paleogeography, paleoceanography and paleobiogeography.

Improved understanding of Mesozoic-Cenozoic ocean/climate history is based on accurate reconstruction of distribution of continents and ocean basins and on opening and closing of seaways along the Tethys. There is little or no agreement about the number or size of separate basins neither on their space-time relationships.

Moreover, there is no consensus on the number and location of former micro-continents and on their incorporation into the present-day Eurasian-Mountain Belt. Geologists studying individual parts of these belts have been educated within different geological systems and adhere to different geological paradigms. Correlation between Western and Eastern Tethys is difficult not only because of the large distances involved but also because they are separated by the area of the huge Himalayan collision within which much of the pre-Paleogene tectonostratigraphic information has been lost.

The aim of this IGCP project is to bring together geologists from the western and eastern parts of the former Tethys (Morocco/Iberia–SE Asia) for establishing a common framework and a common tectonostratigraphical concept (latest Paleozoic–Mesozoic with emphasis on Permian–Jurassic).

Related information

- Duration: 2020-2024
- IGCP Theme: Geodynamics

Contact

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**UNESCO
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**Project
710**

**Western Tethys
meets
Eastern Tethys**



Western Tethys meets Eastern Tethys
– geodynamical, paleoceanographical and
paleobiogeographical events



- No. 224** **Pre-Jurassic Evolution of Eastern Asia (1985-1990)**
Project Leader: K. Ichikawa (Japan)
- No. 321** **Gondwana Dispersion and Asian Accretion (1991-1997)**
Project Leaders: Ren Jishun (China), J. Charvet (France), S. Hada (Japan), I. Metcalfe (Australia)
- No. 411** **Geodynamics of Gondwana-derived Terranes in E & S Asia (1998- 2002)**
Project Leaders: S. Hada (Japan),) I. Metcalfe (Australia), J.H. Kim (Korea), Tran Van Tri (Vietnam), Jin Xiaochi (China)
- No. 516** **Geological Anatomy of East and South East Asia (2005-2009)**
Project Leaders: K. Hisada (Japan), P. Charusiri (Thailand), Byung-Joo Lee (Korea), Jin Xiaochi (China)
- No. 589** **Development of the Asian Tethyan Realm: Genesis, Process and Outcoms (2012-2016)**
Project Leaders: Jin Xiaochi (China), K. Ueno (Japan), Y. JR. Graciano (Philippines), P. Chaodumrong (Thailand)



MYANMAR (Yangon)'2016

ORGANIZERS



IGCP-589

leaders: Xiaochi JIN (China), Katsumi UENO (Japan), Graciano YUMUL JR. (Philippines) and Pol CHAODUMRONG (Thailand)

2012 – Xi'an, China (Qinling Orogen);

2013 – Boracay Island, Philippines (Panay Island);

2014 – Teheran, Iran (Alborz Mountains);

2015 – Bangkok, Thailand (northern Thailand);

2016 – Yangon, Myanmar (west coast & southern Shan State);

**2017 – Kraków, Poland (Carpathians)
Western Tethys meets Eastern Tethys
(future IGCP Project)**

6th International Symposium

of the
International Geoscience Programme
(IGCP) Project-589

Development of the
Asian Tethyan Realm:
Genesis, Process and Outcomes
Western Tethys meets Eastern Tethys

Kraków, 29.09 – 5.10.2017

PATRONS



COMPASS

TERMY
BUKOVINA



„Western Tethys meets Eastern Tethys”



6th International Symposium

of the
**International Geoscience
Programme (IGCP) Project-589**



Development of the Asian Tethyan Realm: Genesis, Process and Outcomes

Kraków, 29 September – 5 October 2017

Western Tethys meets Eastern Tethys



Figure 2. Participants of post-symposium field excursion in the abandoned Rogoźnik quarry, where Jurassic–Cretaceous boundary beds of typical micritic ammonite-rich coquina are exposed.

Eastern Tethys meets Western Tethys – Sixth International Symposium of IGCP-589 and field excursion in Poland

Xiaochi Jin^{1*}, and Michał Krobicki²

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The IGCP Project-589 (Development of the Asian Tethyan Realm: Genesis, Process and Outcomes) entered its 6th (last) year in 2017. In contrast to the previous five years the venue of this year's international symposium of the project and post-symposium field excursion moved from Asian countries to Poland, a country whose southern part hosts a key portion of the Tethyan orogen, the Polish Carpathians, that bridges the eastern and the western Tethysides. This arrangement provided most Asian participants a chance to have a close look at other parts of the Tethysides and help them to understand the development of the Tethyan Realm in a more comprehensive way.

Located in front (north) of the Flysch Belt of the Carpathians the

from Kraków to the southernmost part of Poland crossing different zones of the Carpathians, and then coming back to Kraków along another route. This was aimed to enable the participants to touch the Polish Carpathians as much as possible, and thus to have a better understanding about its structure and composition. Major units carefully observed are the Outer Flysch Carpathians and Inner Carpathians (including the Pieniny Klippen Belt, Podhale Paleogene Flysch and Tatra Mts.), as well as Carpathian Foredeep sediments. Visits deep in the well-known Bochnia and Wieliczka salt mines (Miocene evaporites) in the afternoon and early evening of the fifth day brought the excursion to a successful end. Participants have not only been amazed by all the excellent



Participants of post-symposium field excursion in the abandoned Rogoźnik quarry, where Jurassic–Cretaceous boundary beds of ammonite-rich coquina are exposed.

Orogen in central China; the second international symposium in 2013 in Boracay Island, Philippines with a field excursion to the island of Philippines; the third symposium in 2014 in the Shahrood Technical University, Teheran, Iran with one excursion in the Alborz Mountains and another excursion in the Alborz and the Sanandaj-Sirjan zone; the fourth symposium in 2015 at Chulalongkorn University, Bangkok, Thailand with a

with a pre-symposium excursion to the west coast of Myanmar and a post-symposium excursion to the southern Shan State of northeast Myanmar.

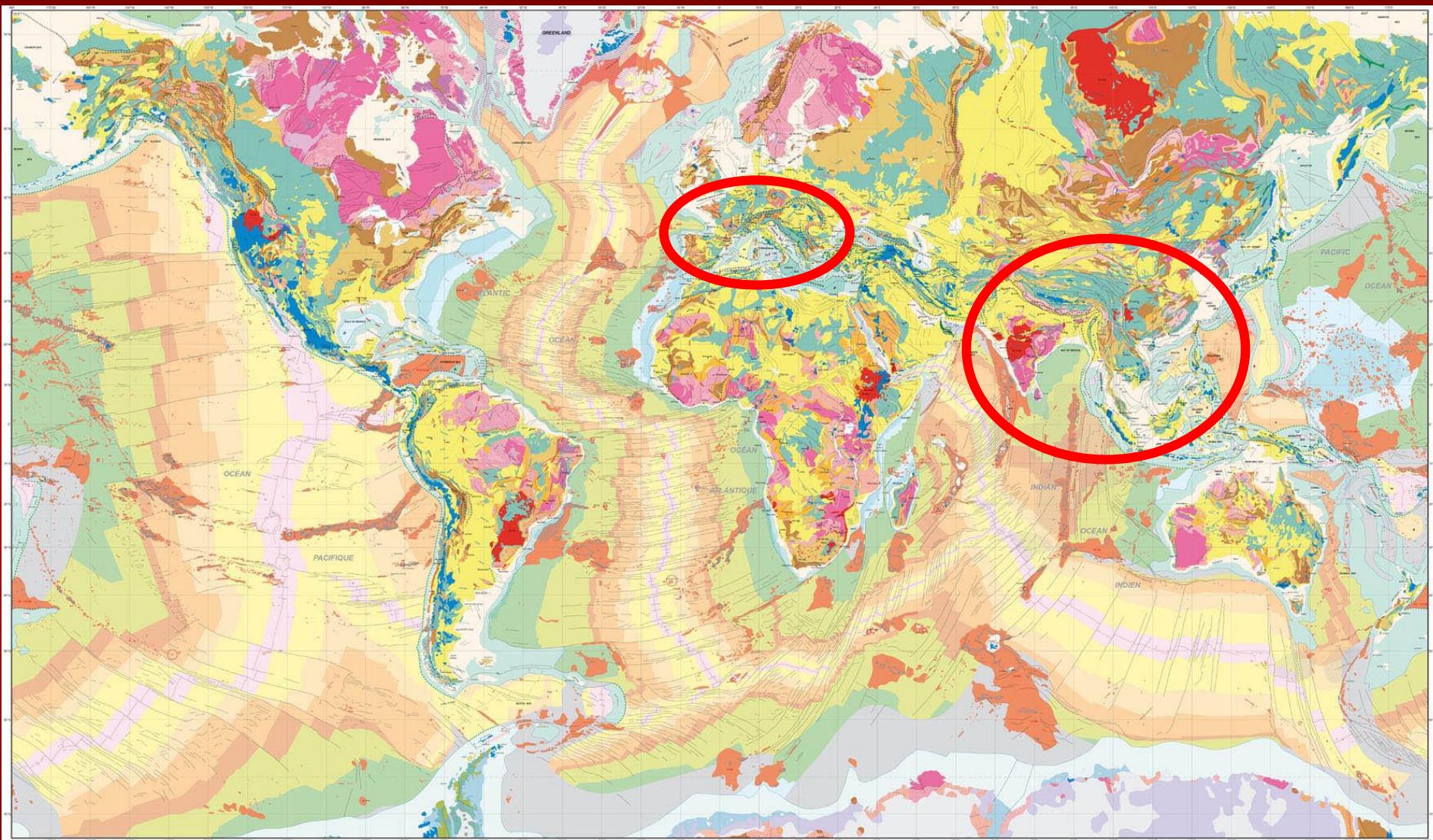
During the 6th symposium the preparation of the proposal of a new IGCP project, which will be a successor of IGCP-589, was discussed at the business meeting. Colleagues from Poland in conjunction with others are taking the duty to prepare the proposal.

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Jin & Krobicki (2018)

The new **IGCP-710** Project will focus on the comparison between the **Western** and **Eastern** part of the **Tethys** during the latest Paleozoic–Mesozoic times (Carboniferous–Cretaceous), mainly on **Permian-Jurassic**, in three main fields of our expertise:

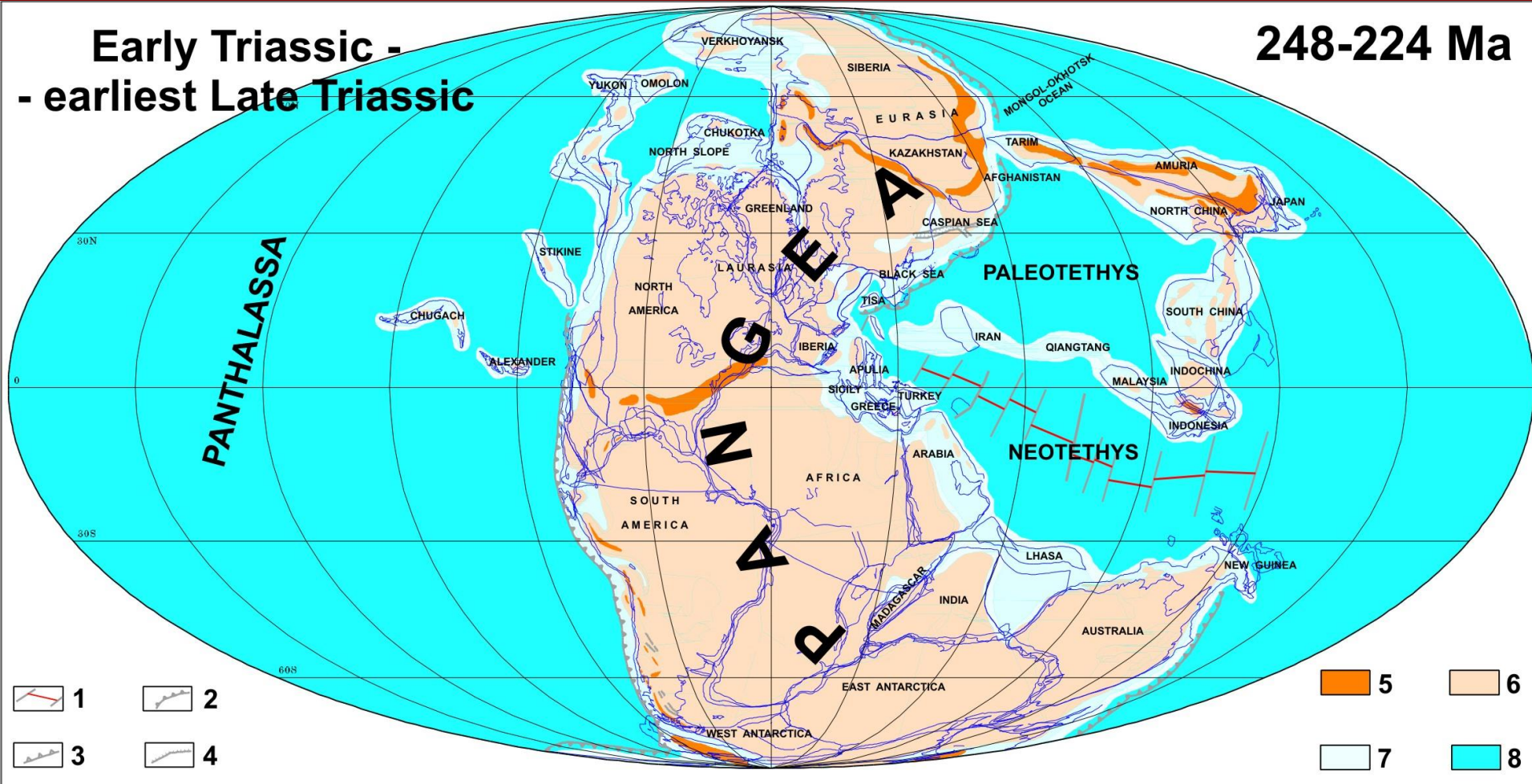
- (i) **geodynamic** reconstruction of the Tethys Realm (tectonostratigraphic scheme(s));
- (ii) reconstruction of **paleoceanographic** conditions between Western and Eastern Tethys and changes of oceanic circulations (mainly with “sedimentological” events) after geodynamic revolutions (including Pangea break-up);
- (iii) **paleobiogeographic** patterns of distribution/migration of fauna and flora.



http://www.geologie.ens.fr/spiplabocnrs/IMG/jpg/carte_geol_monde-01.jpg

**Early Triassic -
- earliest Late Triassic**

248-224 Ma



Golonka et al. (2006)

IGCP-710 – leader & co-leaders

Project leader: Michał KROBICKI
(Poland)



Secretary: Krzysztof STARZEC
(Poland)



Project co-leaders (in alphabetic order):



Hans-Jürgen GAWLICK
(Austria)



Špela GORIČAN
(Slovenia)



Hao HUANG
(China)



Marianna KATI
(Greece)



Justyna KOWAL-KASPRZYK
(Poland)



Tin Aung MYINT
(Myanmar)



Kabi Raj PAUDYAL
(Nepal)



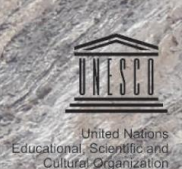
Paweł POPRAWA
(Poland)



Katsumi UENO
(Japan)



İsmail Ömer YILMAZ
(Turkey)



Inaugural Symposium of the International Geoscience Programme IGCP Project-710

**Western Tethys meets Eastern Tethys
– geodynamical, paleoceanographical
and paleobiogeographical events**

**ONLINE SYMPOSIUM
THIRD CIRCULAR**

**November 15-16, 2021
Kraków, Poland**

**Enjoy the presentations, enjoy discussions,
enjoy the story of "our" Tethys
& enjoy IGCP-710!!**

