



6th International Symposium of the International Geoscience Programme (IGCP) Project-589

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

Kraków (Poland), 29 September - 5 October 2017
Western Tethys meets Eastern Tethys

Dear Friends and Colleagues of Tethys Ocean

We cordially invite you to the 6th International Symposium of the International Geoscience Programme (IGCP) Project-589 which will be held on 29 September – 5 October 2017 at the AGH University of Science and Technology (AGH UST) in Kraków, Poland, Mickiewicza 30 and at the Polish Geological Institute – National Research Institute (PGI-NRI), Carpathian Branch in Kraków, Skrzatów 1. Kraków is very close to the Carpathian orogenic system, a remnant of the Tethys Ocean and is a perfect place for understanding the relationship between Western and Eastern Tethyan Realms. Paleozoic, Mesozoic and Cenozoic evolution of this Ocean has long been investigated in both Asia and Europe. The IGCP-589 project focused in last five years to the Asian part of Tethys and in this year will concentrate on the connection between European (western) and Asian (eastern) Tethys by investigating in different branches of geology: stratigraphy, palaeontology, sedimentology, tectonics, structural geology, palaeogeography, petrology, geochemistry, palaeomagnetism, and geophysics. Moreover, Kraków is one of the most picturesque old town of southern Poland, full of historical monuments, museums and galleries.

The Sixth International Symposium of IGCP-589 will be a forum where colleagues from both Asian and European countries, can present their work and exchange their ideas covering various aspects of the development of the Tethyan Realm. The Post-Symposium field trip will focus on Alpine/Carpathians structures which recorded the long story of the western part of Tethys Ocean.

» IGCP-589 Project Leaders

Prof. JIN Xiaochi

(Institute of Geology, Chinese Academy of Geological Sciences, China)

Prof. UENO Katsumi

(Fukuoka University, Japan)

Prof. YUMUL JR. Graciano

(Apex Mining Company Inc., Philippines)

Dr. CHAODUMRONG Pol

(Bureau of Geological Survey, DMR, Thailand)

<http://igcp589.cags.ac.cn>

» Organizing Committee

Anna BAGIŃSKA
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Joanna KACZMARZYK
Tomasz GAĞULSKI
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Tadeusz SŁOMKA
Marek WENDORFF

» Conference calendar

28.09.2017 Ice-breaker party & formal registration desk
29-30.09.2017 Symposium – scientific sessions
29.09.2017 Kraków urban geology & conference evening party
01-05.10.2017 Field trip

September 2017

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October 2017

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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2	3	4	5	6	7	8
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23	24	25	26	27	28	29
30	31					

» Venue



Akademia Górniczo-Hutnicza (AGH) im. Stanisława Staszica w Krakowie
AGH University of Science and Technology (AGH UST)
Mickiewicza 30, 30-059 Kraków
&
Polish Geological Institute - National Research Institute (PGI-NRI)
Carpathian Branch
Skrzatów 1, 31-560 Kraków



- A** **28.09.2017** Ice-breaker party (see map - point A); 6 PM; AGH University of Science and Technology (Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie) 30 Mickiewicza Av., main building - A-0, 1st floor; gallery in front of the main aula
- A** **29.09.2017** Scientific session (as point A)
- B** **30.09.2017** Scientific session (see map - point B); 9 AM; Polish Geological Institute - National Research Institute, Carpathian Branch (Państwowy Instytut Geologiczny - Państwowy Instytut Badawczy, Oddział Karpacki) 1 Skrzatów St.
- C** **01.10.2017** Start of the field trip (see map - point C); 8 AM; AGH University of Science and Technology (Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie) Main gate - 7 Reymonta St., main library (Biblioteka Główna)

Kraków, a former capital of Poland, is one of the most visited tourist attraction in Poland. For centuries it was the set of Polish Kings, who resided in Royal Castle on the Wawel Hill. Kraków's rich legacy of unique historical relicts creates special charm and atmosphere. Many of them are pieces of work of great scholars and artists from all over the world, drawn by the rulers throughout hundreds of years. This old Renaissance city, with its architectural and cultural monuments and museums has been entered on the UNESCO list of world heritage. It is also a scientific centre with over 10 universities. The oldest, Jagielloonian University, founded in 1364, was the Polish first university and one of the first in this part of Europe.

The Old Town with most spectacular and famous monuments, such as the glamorous Royal Castle, the gothic St. Mary's Basilica, the historical trade pavilions of the Cloth Hall *Sukiennice* on the Market Square is the Kraków's heart. Here one can find museums (among the best known ones is the Czartoryski Museum where *The Lady with an Ermine* by da Vinci



can be admired), galleries full of exhibitions, numerous shops selling souvenirs, cafés, pubs and restaurants. To try traditional Polish cuisine visitors have choice of various places e.g. *Wierzynek*, *Krew i Róża*, *Chłopskie Jadło*, *Hawelka*. There are also many fine restaurants offering diverse international menus. The old quarter of the city is surrounded by the City Wall remnants with St. Florian's Gate and a green belt known as *Planty* - the perfect place for a refreshing walk. To sightsee the Old Town in more unconventional way tourist can view the city by horse-drawn carriages or electric cars, both departing from the Main Market Square. A visite in the former separate Jewish city of Kazimierz (which is now one of Kraków's districts) with its beautiful and mysterious streets and many Jewish monuments is also crucial for experiencing Kraków's exceptional atmosphere. Kraków is also an interesting place for music fans, especially jazz. They may spend time in night clubs on the Main Market Square or Kazimierz where, with a stroke of luck, they'll have a chance to listen to live sessions of leading Polish jazzmen.

» Travel

Kraków can be reached from most European cities by various means of transport.

by air

Kraków is accessible from a majority of European cities, e.g. London, Paris, Rome, Zurich, Frankfurt, Vienna and others. The following airlines serve Kraków's International Airport Balice: Austrian Airlines, SkyEurope, Germanwings, EasyJet, British Airways, American Airlines, Lufthansa, Malev, Air France, Alitalia and LOT Polish Airlines. Note that there are also flights with low-cost airlines such as Easyjet from Luton, Dortmund and Berlin and Ryanair from Stansted and Glasgow. The International and Domestic Airport is located on the outskirts of the city, but can easily be reached by taxi (12 Euro) or car (various rentals available at the airport). Local buses serving city centre: route B, 192 and 208. Poland can also be reached via International Airport Okęcie in Warszawa (located 300 km away), from which the best solution is to reach Kraków by domestic flights or by using the Express Train service.

by train

Kraków is efficiently connected by rail to the principal Polish towns as well as to the European railways network. From Warszawa (Central Station) the express - departing every hour, travel time 2-2.5 hrs (30-35 Euro). The Main Railway Station in Kraków is located only a few minutes walk from the city centre and 20 minutes for a walk to the Congress Venue.

The organizers cannot accept responsibility for accidents that might occur in connection with the symposium and field-trip. Delegates are encouraged to purchase travel insurance.

» Weather

September/October in Poland is one of the most beautiful seasons of the year. The climate is moderate, with temperatures typically ranging from 5 to 20°. Since rainy days may be expected, please do not forget about a sweater and a light raincoat.

» Shops and banks

Food stores are generally open from 6.00 or 7.00 a.m. till about 7.00 p.m. Other shops tend to be open between 10.00 a.m. or 11.00 a.m. till 7.00 p.m. from Monday to Saturday. A lot of them are also open on Sundays, especially in the city centre. Regular banking hours are 9.00 a.m. to 6.00 p.m. from Monday to Friday, and to 2.00 p.m. on Saturday's. Banks, shops, restaurants and other public institutions do not close for lunch.

» Visa

Please check if you need a visa for entering Poland. The information are provided by Polish Embassy or Consulate in your country. No visa is required for nationals of the USA, EU. An official invitation letter for applying entry visa to Poland will be sent by the Organizing Committee to participants who need such invitation. If there is any problem for granting visa, please contact the secretaries of the Symposium.

» Registration desk

The conference registration desk will be open on Thursday 28 September 2017 from 5 PM at the ice-breaker location in the AGH University of Science and Technology, (Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie), 30 Mickiewicza Av., main building - A-0, 1st floor; gallery in front of the main aula and at 29th registration desk will be open from 8 AM in the same place.

» Fees

Symposium only (29-30 September 2017): **250 €** (the organization costs of meeting, the Symposium Volume - Abstracts Book, 2x lunch, the ice-breaker party on September 28th 2017 at AGH UST, and the refreshment during the Symposium etc).

Post-Symposium field trip (1-5 October 2017): **700 €** (covering transportation by car, food, accommodation, excursion guidebook & additional attractions).

» Field trip

Mesozoic and Cenozoic development of the Outer (Flysch) and Inner (Pieniny Klippen Belt and Tatra Mts) Carpathians; their palaeogeographic reconstructions and geotectonic history in wider context of the Alpine orogenic system of Europe (Fig. 1-5).

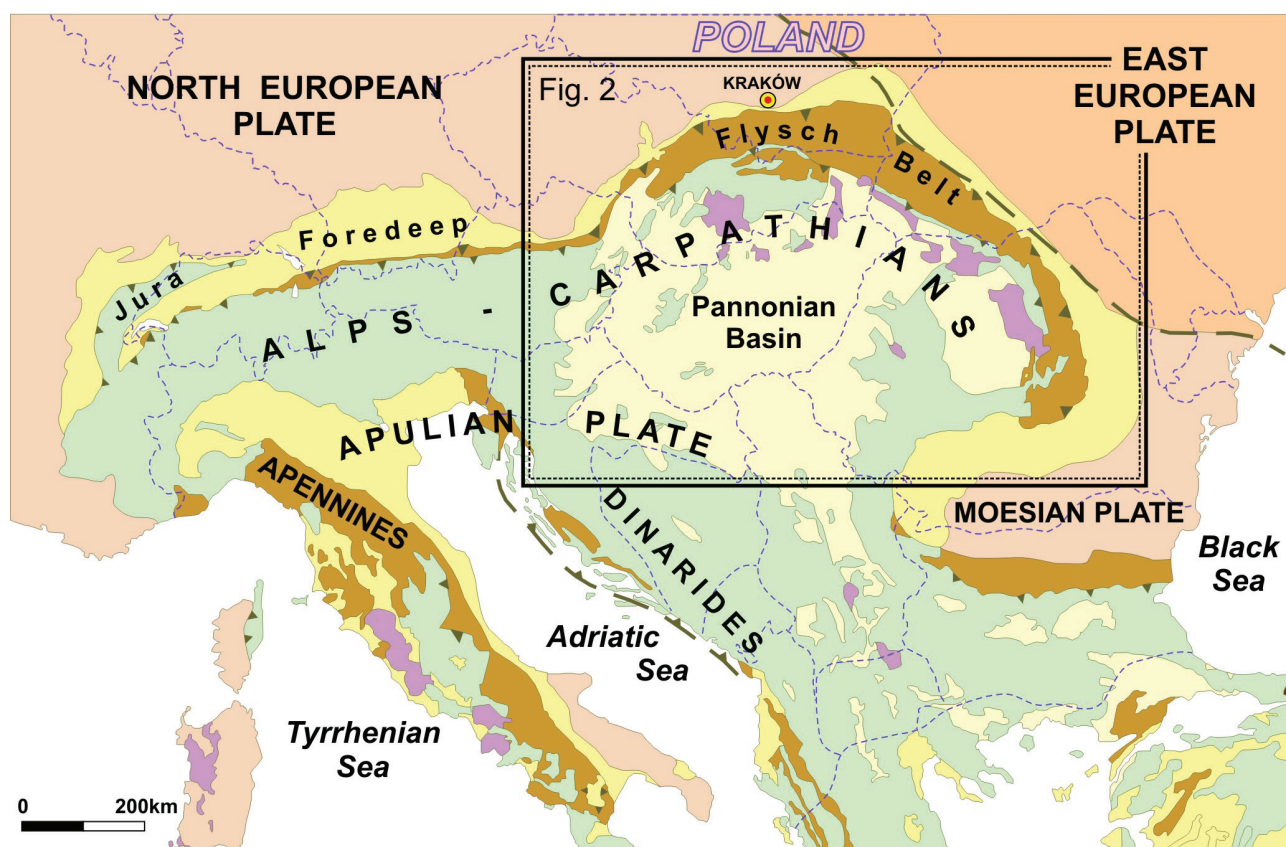


Fig. 1. Sketch of Alpine geology in Europe (after Picha, 1996; modified)

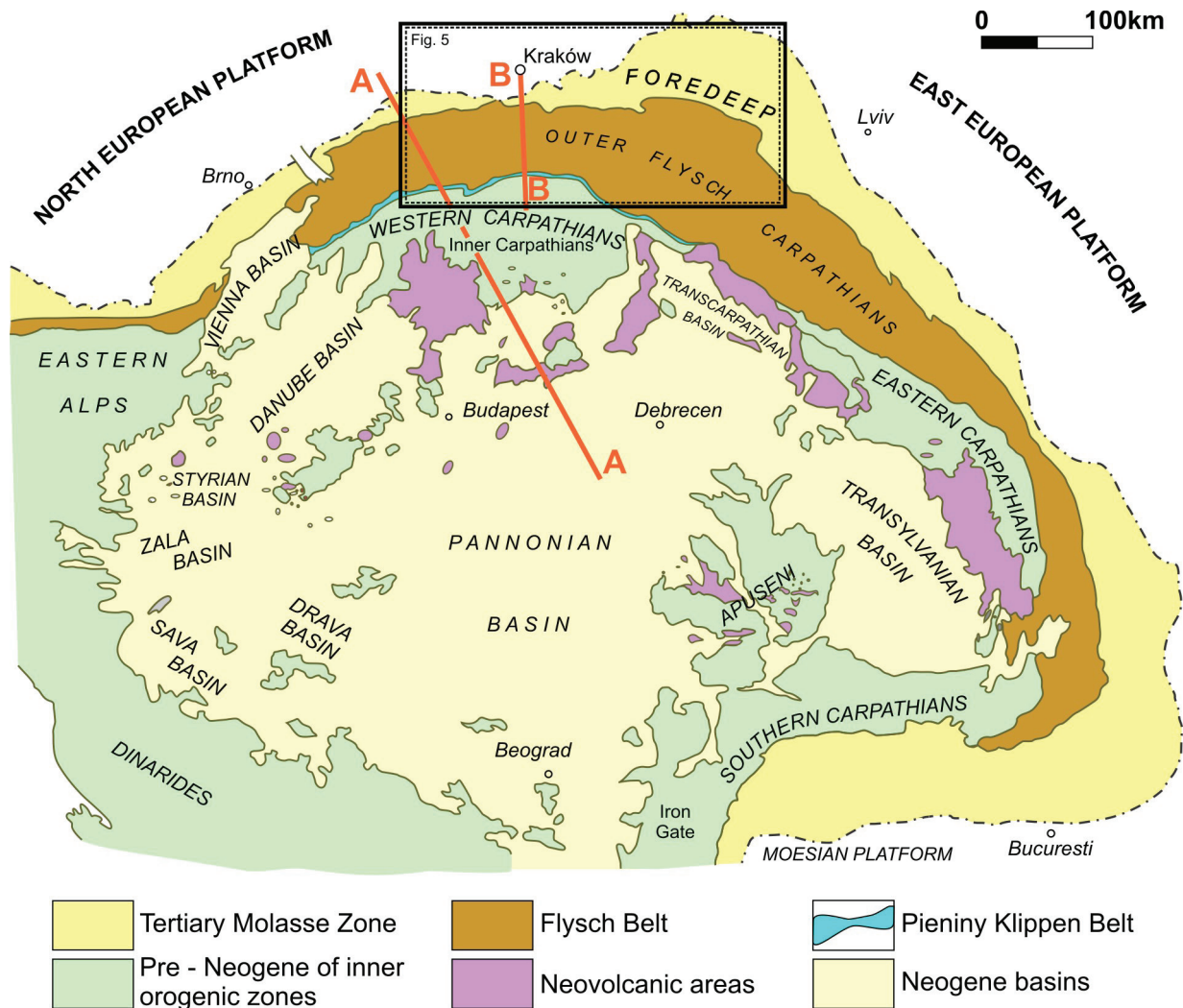


Fig. 2. Tectonic sketch map of the Alpine-Carpathian-Pannonian-Dinaride basin system (modified after Plašienka et al., 2000)

The route of the trip begins in the Outer Flysch Carpathians with classical Carpathian flysch will be seen in the outcrops of the Verovice, Cieszyn and Lhoty formations with different kind of flysch deposits in Beskidy Mts. These deposits consist of black shales, calcareous shales and pelagic limestones with turbidites (rare example of calcareous turbidites with ooids including), and other mass-movement origin deposits of the latest Jurassic-earliest Cretaceous age, as well as related volcanics (Early Cretaceous) related with opening of the Silesian Basin of the Outer Carpathians domaine.

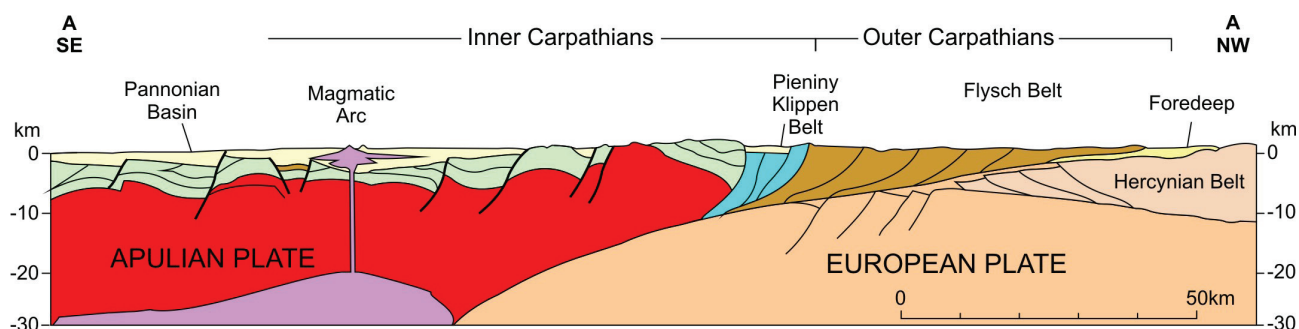


Fig. 3. Generalized cross-section across Carpathian-Pannonian region (Picha, 1996)

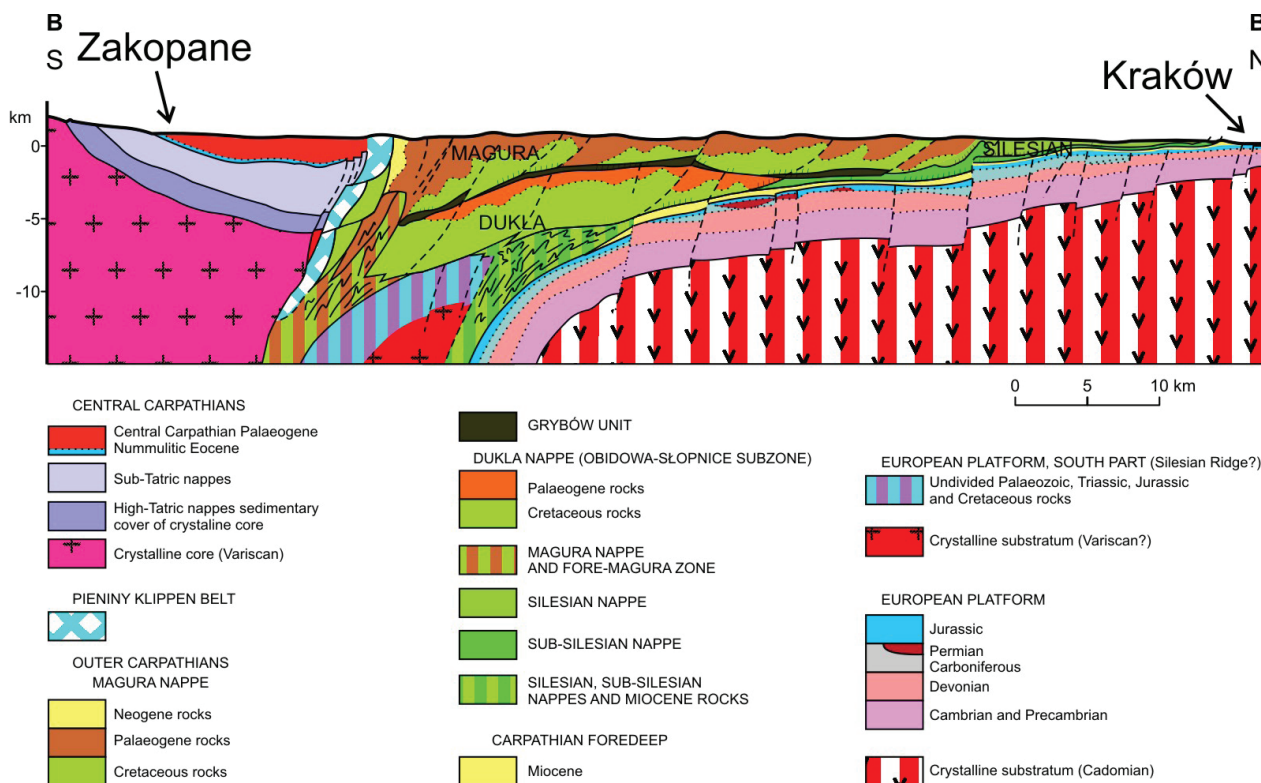


Fig. 4. Generalized cross-section across Polish Carpathians (after Golonka & Krobicki, 2006)

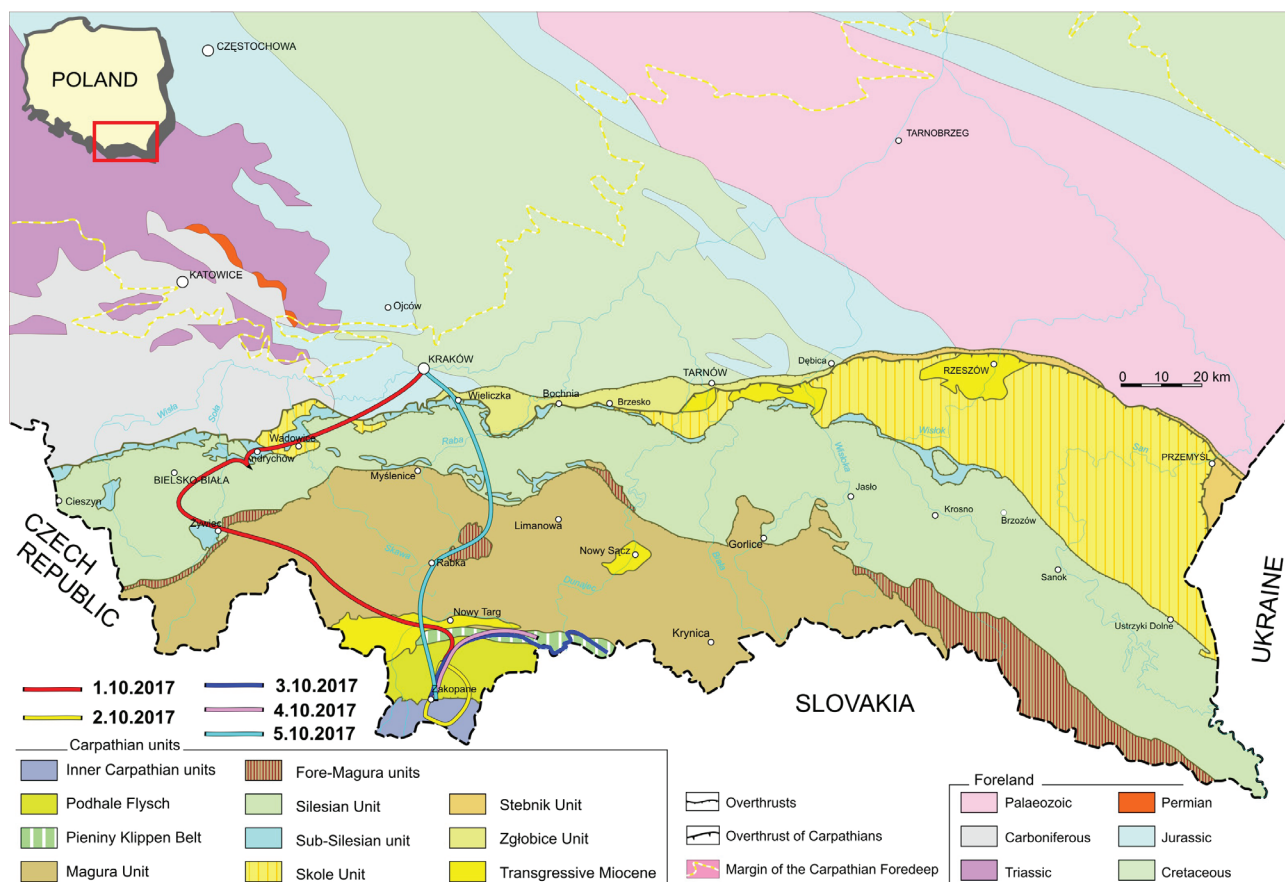


Fig. 5. Geological map of the Polish Carpathians and Foreland (after Żytko *et al.*, 1989; simplified) with route of the field trip

Pieniny Klippen Belt - a highly complex tectonic zone of the Carpathians, which includes diverse sedimentary successions from condensed carbonates of the submarine Czorsztyn Ridge to deep marine basinal radiolarites will be seen in this region. During days stay in this area the classical sections will be shown: the famous succession at Czorsztyn Castle (type of the Czorsztyn Succession deposited on the intraoceanic submarine swell: from Bajocian crinoidal limestones, through Ammonitico-Rosso type deposits of the uppermost Bajocian to Tithonian, up to overlying Calpionella limestones), the transitional Niedzica Succession at Czajakowa Skała section (crinoidal limestones overlain by Ammonitico-Rosso deposits sandwiched by Oxfordian radiolarites), and the basinal Branisko Succession (Middle Jurassic spotted limestones and crinoidal cherty limestones, Middle-Upper Jurassic radiolarites, and Upper Jurassic-Lower Cretaceous Maiolica-type limestones).

In Tatra Mts we will see Variscan crystalline complex and Mesozoic cover of the Jurassic and Cretaceous deposits which belong to several tectonic nappes formed during Alpine orogenic event. All nights we will be in Zakopane city, unofficial capital of the Polish mountains.

Finally, during our return way from Zakopane, we will cross Outer Flysch Carpathians again (with some outcrops of new flysch types deposits) and end our field trip in famous Wieliczka Salt Mine in Kraków vicinity, and visit spectacular Miocene evaporitic rocks of the post-orogenic basin, so-called Carpathian Foredeep, filled by wide spectrum of siliciclastic-carbonate-evaporitic deposits of the Paratethys realm.

All our outcrops and their regional and European context will be connected both with Alpine-Carpathians-Dinaridic-Hellenidic-etc-etc-Himalayas recent structures and palaeogeographical/palaeogeodynamical relationships of the Mesozoic history of the Neotethys with some comparisons between Western and Eastern Tethys and therefore...

Western Tethys meets Eastern Tethys

The second day in the Tatra Mts requires some trekking - the altitude difference is about 400 m; a weather in the mountains can be variable - a temperature between 10 to 25°C is expected. Rain or storm is not excluded. We will move both on partly forested slopes and open space, which can be locally slippery when wet. Good boots are required.

» Accommodation and board in Kraków

The participants should book by themselves. Some accommodation possibilities in Kraków, good, inexpensive and the closest to the AGH UST/PGI-NRI you can find below:

- <http://www.hotel-polonez.pl>
 - <http://www.accorhotels.com>
 - <http://www.hotel-logos.pl>
 - <http://www.hotel-fortunabis.pl>
- and many others
(e.g., see - **Booking.com**)

» Oral presentations

The recommended oral presentation format for the conference is to use computer based Power Point software, linked to a multimedia projector. For the PC-based presentation will be able to download your file on the conference computer. Please note that while we will strive to have full software compatibility - it is noted that occasionally, downloaded presentations are slightly reformatted.

Please remember: You have a total 20 minutes for your presentation - 15 minutes for the talk and 5 minutes for Questions & Answers.

» Posters

Posters have to be prepared to fit a panel with the following dimensions: 1.5m high x 1m wide. Please remember to use a font size that can be legible from approximately 1 m distance. Supplies to mount your posters will be provided on site. All posters will be displayed on Saturday (30.09.2017). The poster area will be located in PGI-NRI corridor. The poster display will take place close to the lecture room.

» Language

English will be the official language of the Symposium and no simultaneous translation will be provided.

» Abstract volume and publication

The abstracts (max. 2 standard pages including tables and figures) will be published in a Symposium volume published by the Polish Geological Institute – National Research Institute. Both oral and poster presentations will qualify for inclusion. All paying participants will receive this volume. **Deadline of the abstracts - June 19th, 2017.**

The publication of the Symposium proceedings is planned in the form of a special volume of one of the international peer-reviewed Polish geological journals (e.g. Geological Quarterly – <https://gq.pgi.gov.pl/>, Special Papers PIG-PIB or other). The manuscripts are accepted in English. Please, use simple text (1.5 lined, 12 points font size) in MS Word, with indicated position of tables (in MS Excel format) and pictures (*.TIF or *.JPG format). Deliver your text(s) by e-mail or CD. **Deadline of the manuscripts – September 25th, 2017.** Notice: No manuscripts can be accepted after the stated deadline.

» Deadlines

The **registration** deadline is extended to **June 14th, 2017**

The **abstracts** must be sent in until **June 19th, 2017**

Manuscripts must be submitted until **September 25th, 2017**

The third circular is scheduled for June/July 2017 transition to registered persons only!!!

Application Form >>

We are looking forward to seeing you in Kraków!
Please circulate this announcement as widely as possible

Application Form

6th International Symposium of the International Geoscience Programme IGCP Project-589
(Kraków; 29 September - 5 October 2017)

(Please complete the attached form and return it as soon as possible, but not later than June 14, 2017)

Name and Family Name

Contact address

.....

City, ZIP

Country

Telephone

FAX

E-Mail

I will attend the Symposium

☐ yes

☐ no

I intend to give

☐ an oral presentation

☐ a poster

with the preliminary title:

.....

.....

Demanded technical facilities (data projector, slide projector, overhead projector, others -

.....)

I'm interested in the Post-Symposium field trip: ☐ yes

☐ no

Suggestions/Remarks

.....

.....

.....

.....

date

.....

signature

» Contact

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SECOND
CIRCULAR