



CEEPUS NETWORK CIII-RS-0038: MORE THAN TWO DECADES OF SUPPORTING CURRENT EDUCATIONAL AND SCIENTIFIC TRENDS IN GEOSCIENCES

(EURO Geo-Sci)



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Ana Fociro, Polytechnic University of Tirana (Albania), Faculty of Geology and Mining;

Michael Wagreeich, University of Vienna (Austria), Department of Geology;

Hugo Ortner, University of Innsbruck (Austria), Faculty of Geo- and Atmospheric Sciences;

Christoph von Hagke, Paris Lodron University of Salzburg (Austria), Department of Geography and Geology;

Hans-Jürgen Gawlick, Montanuniversitaet in Leoben (Austria), Department of Applied Geosciences and Geophysics;

Elvir Babajić, University of Tuzla (Bosnia and Herzegovina), Faculty of Mining, Geology and Civil Engineering;

Eva Gerlšová, Masaryk University in Brno (Czech Republic), Department of Geological Sciences;

Darko Tibljaš, University of Zagreb (Croatia), Faculty of Science;

Sibila Borojević Šoštarić, University of Zagreb (Croatia), Faculty of Mining, Geology and Petroleum Engineering;

Miklos Kazmer, Eötvös Lorand University Budapest (Hungary), Institute of Geology;

Jolanta Burda, University of Silesia in Katowice (Poland), Institute of Earth Sciences in Sosnowiec;

Elżbieta Machaniec, Jagiellonian University in Cracow (Poland), Institute of Geological Sciences;

Adriana Trojanowska Olichwer, University of Wrocław (Poland), Institute of Geological Sciences;

Ágnes Gál, Babes-Bolyai University Cluj-Napoca (Romania), Department of Geology;

Paul Tibuleac, Alexandru Ioan Cuza University of Iasi (Romania), Department Geology and Geochemistry;

Luka Gale, University of Ljubljana (Slovenia), Department of Geology;

Ondrej Nemec, Comenius University in Bratislava (Slovakia), Department of Mineralogy and Petrology;

Igor Duriška, Technical University in Košice (Slovakia), Institute of Geosciences;

Network founder, Volker Höck, Paris Lodron University of Salzburg (Austria), Department of Geography and Geology;

Previous network coordinator, Corina Ionescu, Babes-Bolyai University Cluj-Napoca (Romania), Department of Geology.



Central European Exchange Program for University Studies:

exchange program for students and teachers from Central European universities

Basic aims:

- cooperation in the field of higher education in Central Europe,
- **Promotion of knowledge through:**
- academic mobilities of students and teachers,
- short excursions,
- summer schools (up to one month, for students of all level of studing)
- **Mobility:**
 - attending and giving courses,
 - issuing of joint diplomas,
 - acceptance of ECTS from host universities.

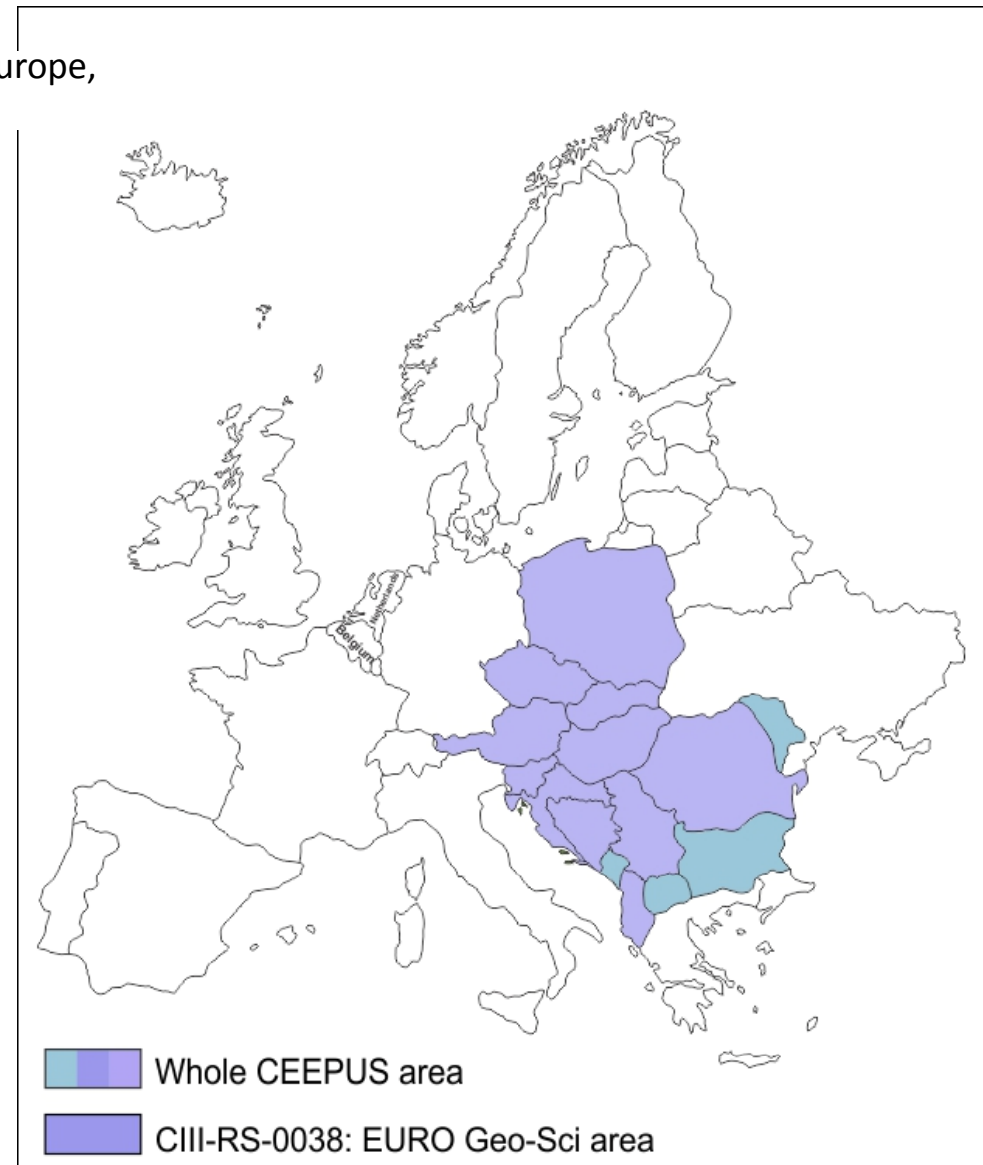
Mobility duration:

- student's: 3 - 6 months,
- student's short mob: < 3 months
(MSc and PhD students)
- teacher's mobility

In total **15 countries (+ three universities from Kosovo)** participate to CEEPUS;
Main office: Vienna.

ORGANIZATION:

Central CEEPUS Office – National CEEPUS offices
(Ministries of Science) – network coordinator with local coordinators – applicants (students and teachers)



<https://ceepus.rgf.bg.ac.rs/>

CIII-RS-0038 (EURO Geo-Sci): „Earth-Science Studies in Central and South-Eastern Europe”

- Established in 1999

Network coordinators up today:



Prof. Dr. Volker Hök
founder of the network

Paris Lodron University in Salzburg, Austria



Prof. Dr. Corina Ionescu
Babeş-Bolyai University in
Cluj-Napoca, Romania



Prof. Dr. Kristina Šarić
University of Belgrade, Faculty of
Mining and Geology

More than **1200 mobilites** (much more mobility months!)

Many **unique courses** out of Curriculums of the participating units

More than **20 joint supervisions**

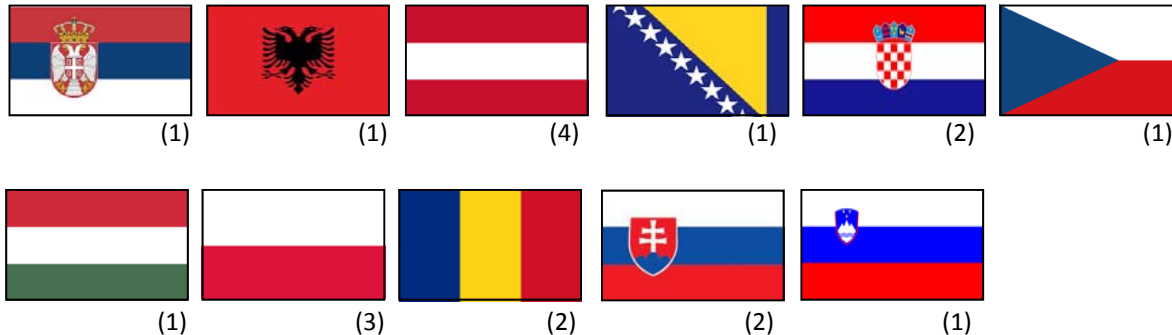
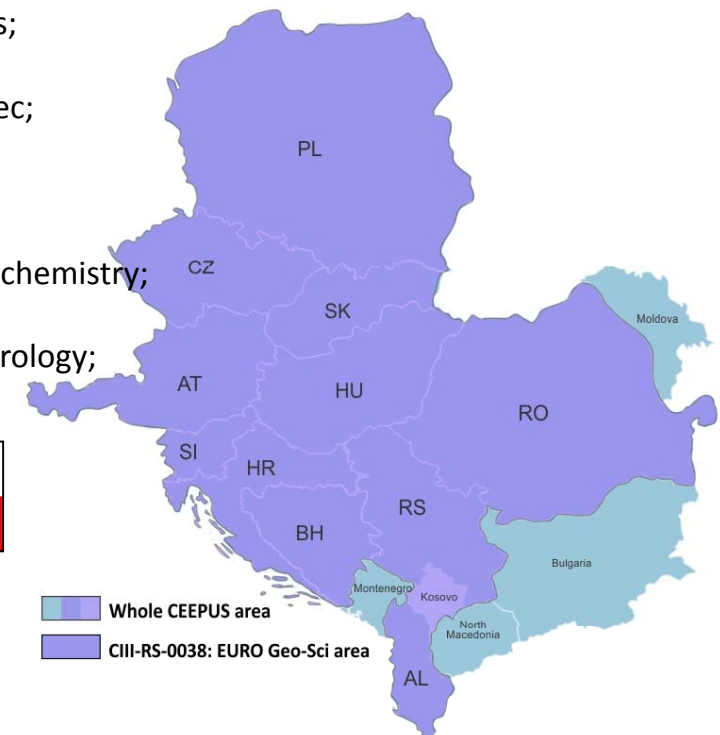
Strengthening of infrastructure through trainings and courses in laboratories

Social importance: contribution to normalization in relations between some countries

CIII-RS-0038 (EURO Geo-Sci): „Earth-Science Studies in Central and South-Eastern Europe”

In total 11 countries, 19 universities / faculties, 85% of the whole CEEPUS area:

1. University of Belgrade (Serbia), Faculty of Mining and Geology;
2. Polytechnic University of Tirana (Albania), Faculty of Geology and Mining;
3. University of Vienna (Austria), Department of Geology;
4. University of Innsbruck (Austria), Faculty of Geo- and Atmospheric Sciences;
5. Paris Lodron University of Salzburg (Austria), Department of Geography and Geology;
6. Montanuniversitaet in Leoben (Austria), Department of Applied Geosciences and Geophysics;
7. **University of Tuzla (Bosnia and Herzegovina), Faculty of Mining, Geology and Civil Engineering;**
8. University of Zagreb (Croatia), Faculty of Science;
9. **University of Zagreb (Croatia), Faculty of Mining, Geology and Petroleum Engineering;**
10. Masaryk University in Brno (Czech Republic), Department of Geological Sciences;
11. Eötvös Lorand University Budapest (Hungary), Institute of Geology;
12. University of Silesia in Katowice (Poland), Institute of Earth Sciences in Sosnowiec;
13. Jagiellonian University in Cracow (Poland), Institute of Geological Sciences;
14. University of Wroclaw (Poland), Institute of Geological Sciences;
15. Babes-Bolyai University Cluj-Napoca (Romania), Department of Geology;
16. Alexandru Ioan Cuza University of Iasi (Romania), Department Geology and Geochemistry;
17. University of Ljubljana (Slovenia), Department of Geology;
18. Comenius University in Bratislava (Slovakia), Department of Mineralogy and Petrology;
19. Technical University in Košice (Slovakia), Institute of Geosciences.



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New members from 2023/'24



University of Tuzla (Bosnia and Herzegovina), Faculty of Mining, Geology and Civil Engineering –
Local coordinator: Assoc. Prof. Dr. Elvir Babajić



Prof. Dr. Kemal Gutić dean
Prof. Dr. Rejhana Dervišević



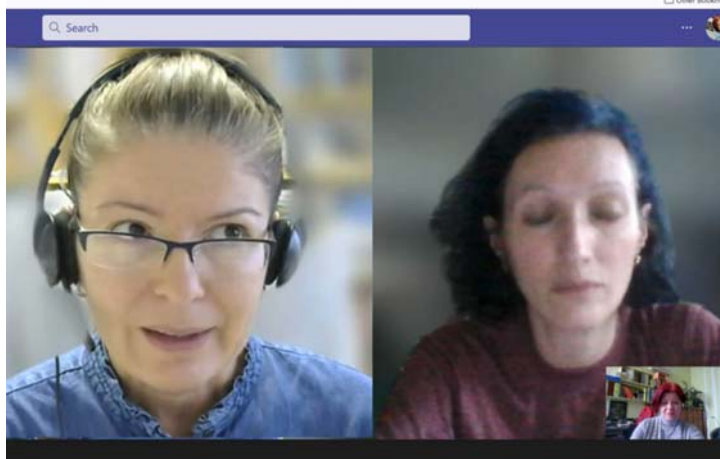
Prof. Dr. Zehra Salkić
Prof. Dr. Vladica Cvetković



Assoc. Prof. Dr. Elvir Babajić
Prof. Dr. Kristina Šarić



University of Zagreb (Croatia), Faculty of Mining, Geology and Petroleum Engineering –
Local coordinator: Prof. Dr. Sibila Borojević Šoštarić



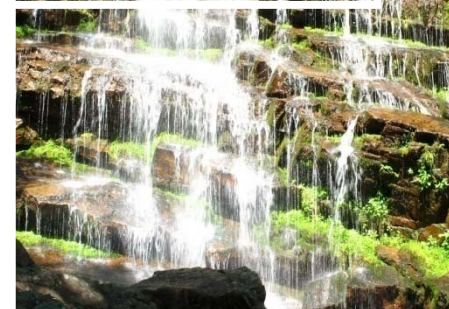
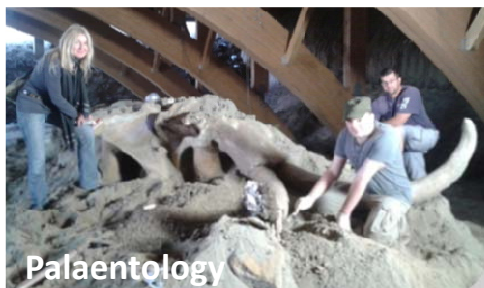
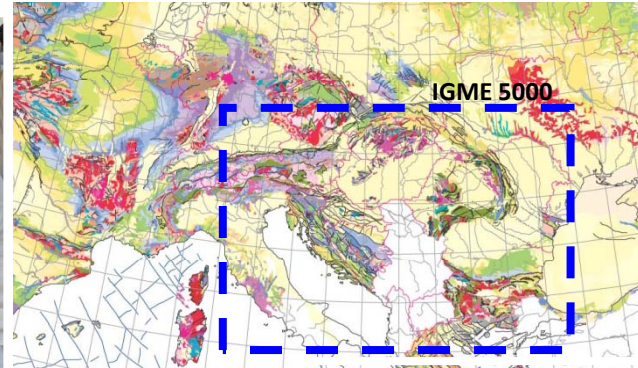
Prof. Dr. Sibila Borojević Šoštarić
Ms. Tanja Veljak, National CEEPUS Office, Croatia
Prof. Dr. Kristina Šarić

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EURO Geo-Sci: Main aims and activities

FROM FUNDAMENTAL TO APPLIED GEOLOGY – FROM LOCAL AND REGIONAL TO GLOBAL SOLUTIONS

- **Unique geological Alpine-Dinaride-Carpathian-Balkan area** → sharing **similar** research problems and having **common** interest in the application of the acquired geological knowledge



EURO Geo-Sci: Main aims and activities

FROM FUNDAMENTAL TO APPLIED GEOLOGY – FROM LOCAL AND REGIONAL TO GLOBAL SOLUTIONS

FROM INTERDISCIPLINARY TO MULTIDISCIPLINARY CONTRIBUTION

Hazards: landsliding, floods, earthquakes, cumani, volcanic activity



Water resources, food science, agriculture



Climate change, environment protection, development of green technologies

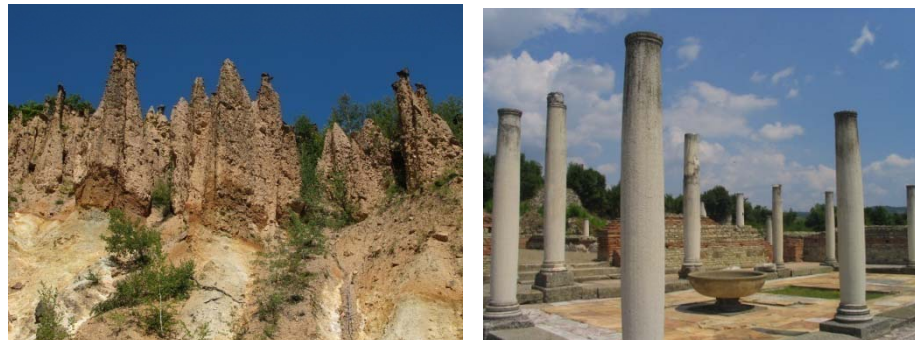


Farmacy, medicine



Civil engineering, architecture, mining industry

Geoturism, protection of natural and cultural heritage



Extraterrestrial research



And many other disciplines...

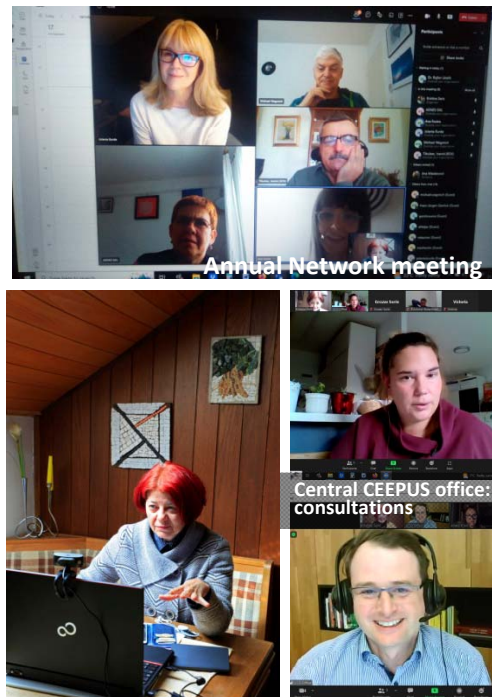
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Studing and teaching



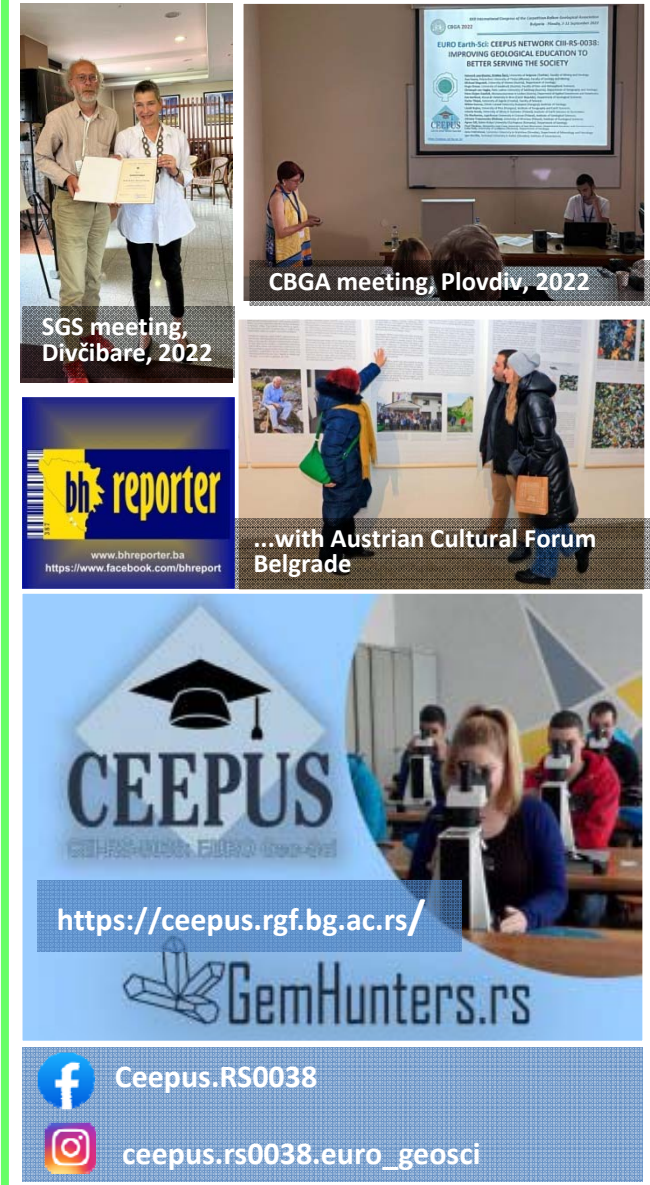
Online meetings and consultations



Cooperation



Promotion



EURO Geo-Sci: Challenges and future

FROM FUNDAMENTAL TO APPLIED GEOLOGY – FROM LOCAL AND REGIONAL TO GLOBAL SOLUTIONS

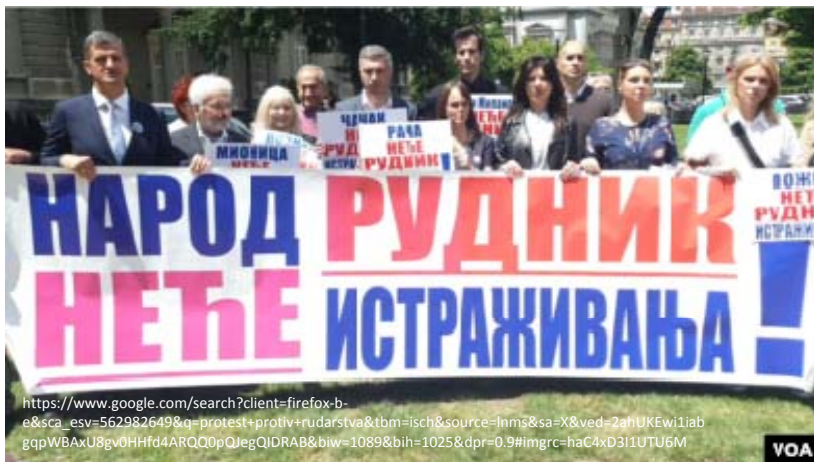
According to Borojević Šoštarić & Šarić (2023):

Internal challenges:

- Low funds
- Classical and sometimes outdated curricula of some programmes
- Lack of innovative content and teaching diversity
- Language barrier
- Administration issues
- Local coordination

External challenges:

- Negative demographic trends
- Regional brain drain
- Pandemic
- Unstable political situation (wars)
- Negative public perception of the geology (and mining) sector due to environmental and political activism



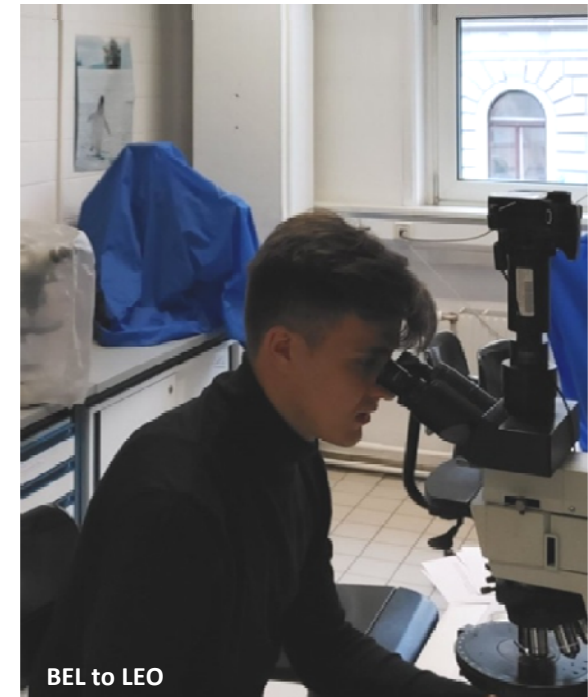
EURO Geo-Sci: Challenges and future

FROM FUNDAMENTAL TO APPLIED GEOLOGY – FROM LOCAL AND REGIONAL TO GLOBAL SOLUTIONS

FUTURE

From identifying challenges and recognizing new needs and circumstances that can affect both geological sciences and society → to guidelines for maintaining the Network performances in the future

- Respond to all **needs of our societies** (resources, environment, hazards);
- **Modifying the actual curriculums** by introducing new courses given by visiting professors;
- **Cooperation** with other **complementary networks** within CEEPUS;
- **Cooperation with scientific projects** (e.g. Recon Tethys, Science Fund of the Rep. of Serbia);
- **Recognition of the quality** of EURO Geo-Sci and **support** by other institutions (e.g. EFG);
- **Cooperation** with geological and mining **companies**;
- **Continuous promotion** of geology making it more visible (workshops, media);
- **Education of the societies** through promotions (workshops, media).



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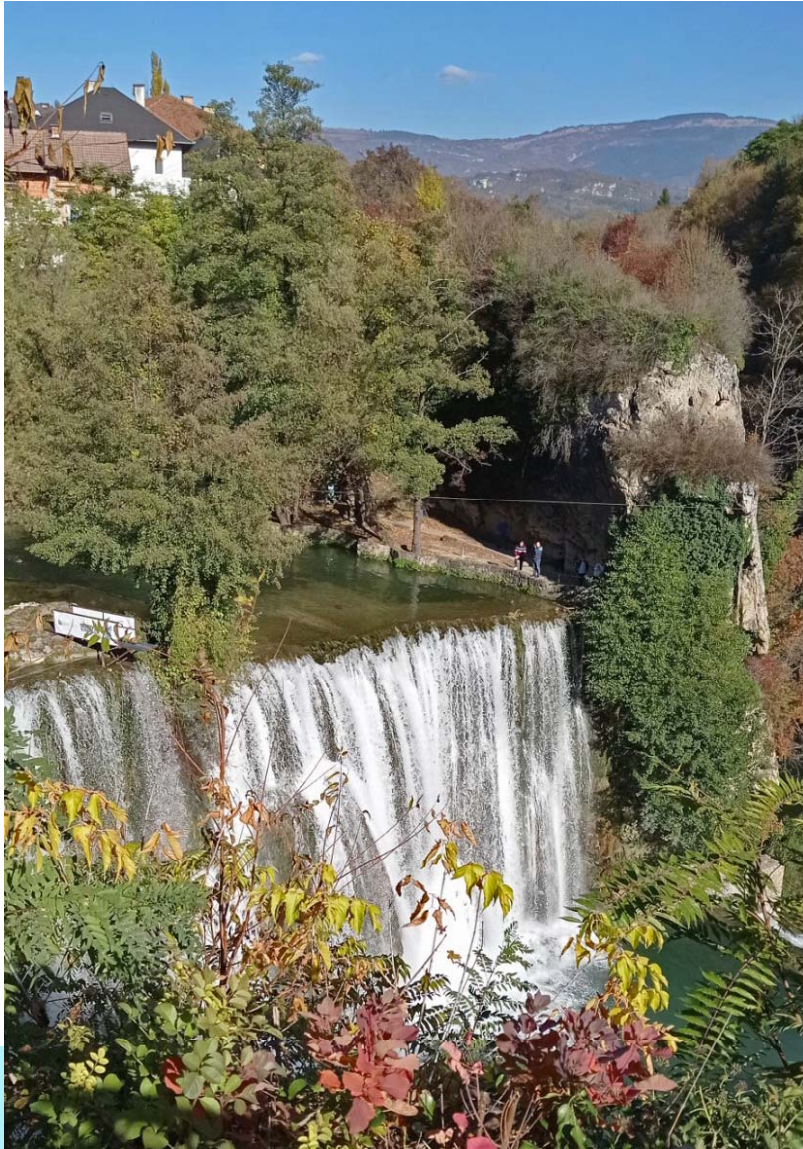


Foto: Branko Ivanković

Acknowledgements

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- to all National CEEPUS officers and to faculties' boards;
- to all applicants who successfully realized their mobilities;
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- to Suzana Erić and Vladica Cvetković;
- to Serbian Ministry of Science, Technological development and Innovation (contract no. 451-03-47/2023-01/200126);
- to Organizers of III Congress of Geologists of Bosnia and Herzegovina

***Thank you for
your attention and support***

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