



Iktatási szám: 34000/11845-1/2018.ált.
EFOP-3.4.3 -16-2016-00003

NATIONAL UNIVERSITY OF PUBLIC SERVICE
Faculty of Water Sciences
Institute for Hydraulic Engineering and Water Management

2018 Summer School Program Baja

Organiser: NATIONAL UNIVERSITY OF PUBLIC SERVICE Faculty of Water Sciences Institute for Hydraulic Engineering and Water Management.

Locations: **H-6500 Baja, Bajcsy-Zs u. 14.;**

Google maps link:

<https://www.google.hu/maps/place/NKE+EKKL+V%C3%ADztudom%C3%A1nyi+Kar+Kari+K%C3%B6nyvt%C3%A1r/@46.1806659,18.9353996,337m/data=!3m1!1e3!4m5!3m4!1s0x47431ffafe8a7091:0x66de6ded70bf9ca5!8m2!3d46.1809215!4d18.9390725>

H-7332 Magyaregregy, Vár völgyi u.

Google maps link:

<https://www.google.hu/maps/place/E%C3%B6tv%C3%B6s+J%C3%B3zsef+F%C5%91iskola+Hidrometria+Telep/@46.2331105,18.3086614,281m/data=!3m2!1e3!4b1!4m5!3m4!1s0x4742bd20a9760ee9:0xce5a7222ec277805!8m2!3d46.2331086!4d18.3097753>

Background:

The need for climate and flood risk resiliency has induced changes in water policies in Europe and thus new challenges in water resources management are arising. Integrated approach and basin-scale, cross-border harmonized water management policies must prevail, and in order to achieve the basin-wide goals, attitudes towards floods and droughts have to be changed. There is a need for an improvement in water-related education and our Institute strives for the use of state-of-the-art technologies in day-to-day monitoring, and for the widest possible application of novel numerical modeling techniques.

Topics:

The Summer school consists of classroom lectures, field measurements and processing of measurement results, including theory and practice of catchment hydrology processes from small to large scale, the investigation of runoff from the watershed. Participants will have hands-on field experience in surveying river morphology and discharge as well.

Detailed program:

28. May:

- Arrival to Baja in the early afternoon.
- At 16 o'clock, introductory lecture on safety and security.
- Dinner.



6500 Baja, Bajcsy-Zsilinszky utca 12-14.
Tel: +36 (79) 523 900
Email: vtk@uni-nke.hu



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29. May:

- 09-14 hours of theoretical instruction.
- Short sightseeing in Baja (by walking), Campus; Szentháromság Square; slope stabilization; Deák Ferenc Ship Locks; Túrri Channel; Petőfi Island; Campus.
- Dinner.

30. May:

- 09-14 hours of theoretical instruction.
- Afternoon travel to Magyaregregy.
- Dinner.

31. May:

- Equipment introduction, measurements at Magyaregregy camp (velocity/discharge measurement with different methods, measurements of precipitation, infiltration and surface runoff).
- Dinner.

01. June:

- Measurements for hydrological longitudinal section of the discharge of a creek, junction measurements (walking distance: ~6km).
- Dinner.

02. June:

- Processing of measurement results, elaboration of protocols.
- Afternoon travel to Baja.
- Dinner.

03. June:

- Measurement of the discharge of a large river (Danube) with Acoustic Doppler Current Profiler (ADCP), geodetic base point setup. Measurements are done from the boat of the institute in groups of 4 people.
- Closing event.
- Dinner.

04. June:

- Short canoe trip at the Sugovica branch.
- Visiting the beach of Baja.
- Departure.



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Contact person: György Varga, email: varga.gyorgy@uni-nke.hu; tel: +36 30 376 80 68

Application: Fill the application form on the link below and print it as well, then mail the printed form to the NATIONAL UNIVERSITY OF PUBLIC SERVICE FACULTY OF WATER SCIENCES Institute for Hydraulic Engineering and Water Management. address: H-6500 BAJA, BAJCSY-ZS U. 14.

Application form link:

https://docs.google.com/forms/d/1HPfwm__UquOC2i8M0WKyrZbTxLcE0F5y2jCDrc5-wWw/edit?usp=sharing_eil&ts=5acdff82

Application deadline is 5 May 2018.

We can provide accomodation, one meal per day along the Summer School for free.

Important personal equipment: raincoat/umbrella; tracking boot/rubber boots; mosquito repellent.

Be prepare that you will have to use public transoport or your own car in Hungary to travel between the locations of the Summer School, altogether about 150km.

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