



Ref. no.: 34000/6741-1/2019. ált
EFOP-3.4.3 -16-2016-00003

NATIONAL UNIVERSITY OF PUBLIC SERVICE
Faculty of Water Sciences

Summer School Program Baja

12-18 August 2019

Organiser: NATIONAL UNIVERSITY OF PUBLIC SERVICE
Faculty of Water Sciences

Locations: CAMPUS: H-6500 Baja, Bajcsy-Zs. u. 14.;
[Google maps link](#)

FIELD STATION: H-7332 Magyaregregy, Várvölgyi u.
[Google maps link](#)

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 Faculty 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.



6500 Baja, Bajcsy-Zsilinszky utca 12-14. | Tel: +36 (79) 523 900
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Detailed program:

11 August:

- Arrival to Baja in the afternoon (Beszédes József College, H-6500 Baja, Bajcsy-Zs u. 16.)
- Dinner

12 August:

- Morning: introductory lecture on safety and security, theoretical instruction
- Afternoon: short sightseeing in Baja (by walking), Campus; Szentháromság Square; slope stabilization; Deák Ferenc Ship Locks; Türr Channel; Petőfi Island; Campus
- Dinner

13 August:

- Morning: theoretical instruction
- Afternoon: travel to Magyaregregy
- Dinner

14 August:

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

15 August

- Measurements for hydrological longitudinal section of the discharge of a creek, junction measurements (walking distance: ~6km)
- Processing of measurement results, elaboration of protocols
- Dinner

16 August

- Morning: travel to Baja
- Afternoon: measurement of the discharge of a large river (Danube) with Acoustic Doppler Current Profiler (ADCP), establishment of a surveying base point
- Dinner

17 August

- Morning: Bathymetry measurements on the Danube and/or side branch
- Afternoon: Processing of measurement results, elaboration of protocols
- Closing event
- Dinner

18 August

- Morning: free time (beach visit/canoeing can be organized)
- Afternoon: 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, sign it, then mail the printed form to:
NATIONAL UNIVERSITY OF PUBLIC SERVICE
FACULTY OF WATER SCIENCES
Attn: György Varga
address: H-6500 BAJA, BAJCSY-ZS U. 14.

[Application form link](#)

Application deadline is 31 May 2019.

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 prepared 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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