Scientific Partners:

Industrial Partners:

1st Comet K – Project Workshop: „Alpine Airborne Hydromapping“

River Surveying From the Air

Monday, February 23, 2015

Universität Innsbruck
6020 Innsbruck – Technikerstraße 13
Großer Hörsaal
PROGRAM

8:00 – 9:00
Registration

9:00 – 9:20
Greetings and Introductions

9:20 – 10:35
Aerial survey techniques and field measurements (session lead: Prof. Hanke)
- Hydrographic Airborne Laser Scanning for the precise and high-resolution measurement of rivers and banks (Dr. Pfennigbauer / Riegler)
- Aerial Hydraulic surveying - capabilities and limitations in practice (DI Steinbacher / AHM)
- Georeferencing and terrestrial verification of the LIDAR data (Prof. Hanke / UIBK)

Coffee break with thematic bar tables

10:50 – 12:30
Data processing and data management (session lead: Prof. Pfeifer)
- Laserbathymetry for natural rivers: from the point cloud to DTM (Dr. Mandlburger / TU Wien)
- Topo bathymetric data processing in HydroVISH – Workflow (Dr. Baran / AHM)
- Topo bathymetric point clouds: Analysis and implications for data processing (DI Wieser / TU Wien)
- New challenges of mass data processing and management – how do I get access to topo bathymetric data sets? (DI Ritter; Dr. Benger / AHM)

Lunchtime with thematic bar tables

13:30 – 15:10
Evaluation (session lead: Prof. Aufleger)
- Topo bathymetry in water management - point numerical visualization (Dr. Dobler / AHM)
- Opportunities for discharge simulations in mountain streams based on riverbed surface surveying (DI Wörndl / UIBK)
- Investigations on the use of high-resolution bathymetry data in the 2D-runoff simulation with the example of a gravel bed river (DI Jocham / UIBK)
- Possible uses for high resolution river geometry – data used for modelling of ecological questions) (DI Senfter / Revital)

Coffee break with thematic bar tables

15:30 – 17:00
Case studies from practice (session lead: DI Stäuble)
- AAHM - The applications of the Comet-K project: First evaluation and achievement of goals of the project partners (DI Steinbacher / AHM)
- The use of laser scan data in Munich (Dipl.-Ing. Schauß / Stadt München)
- By plane and boat: the high resolution survey of the Boden Lake (Dr. Wessels / LUBW)

ORGANISATION

Registration until February 15, 2015 via Email: wasserbau@uibk.ac.at

Fee: € 80 Euro (catering included)

Payment after invoice

DIRECTIONS / ADDRESS

Technikerstraße 13, 6020 Innsbruck, Großer Hörsaal

by train and bus:
From main station with busline OE until busstation „Technik”

by car

by airplane ☄️

by plane and boat:
From main station with busline OE until busstation „Technik”

by car

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by plane and boat: