Although every atlas is intended for its users, cartographers should pay attention to the fundamental cognitive and usability issues of the product. The ICA joint workshop addresses strengthening existing research on topics related to atlases, cognitive and usability issues and provides a platform for joint cooperation between cartographers dealing with atlases, cognitive, and user issues that will lead to new collaborations, new ideas and new friendships.

The workshop includes oral research presentations, discussion motions and practical workshops. The guided tours to the romantic water cruise on the underground Punkva River and visit the Macocha Gorge, the largest abys in the Central Europe.

ICA Commission on Atlases (A)
ICA Commission on Cognitive Issues in Geographic Information Visualization (C)
ICA Commission on Use, User and Usability Issues (U)
FRIDAY 27 April

DAY 1
Workshop & Business meeting
Venue: Dept. of Geoinformatics, 17. listopadu 50, Olomouc

Arrivals and registrations
Joint workshop **REPRODUCIBILITY IN CARTOGRAPHY C-U**
9:00–9:30 Amy Griffin, Sidonie Christophe, Arzu Çöltekin (Australia, France, Switzerland)
*Introduction to Reproducibility in the Social Sciences*
9:30–10:15 Discussion
coffee break 10:15–10:45
10:45–11:15 Travis White (USA) **Presentation on Cartographic User Studies Database**
11:15–12:00 Discussion
lunch 12:00–13:00
13:00–14:00 Practical Matters Discussion
14:00–15:00 Discussion
15:00–15:30 Summary / wrap-up / next steps
coffee break 15:30–16:00

13:00–14:30 **Commission on Atlases BUSINESS MEETING A**
René Sieber, Eric Losang (Switzerland, Germany)
FRIDAY 27 April

DAY 1
Opening & Welcome drink
Venue: Dept. of Geoinformatics, 17. listopadu 50, Olomouc

16:00–18:00 Opening and discussion motions
Amy Griffin, Arzu Çöltekin, Sidonie Christophe (Australia, Switzerland, France)
The reproducibility crisis in science: Is it relevant for cartographers?
Menno-Jan Kraak (Netherlands) Atlas, what atlas?
Vít Voženílek (Czechia) Towards True Atlases: a System Theory in Atlas Conceptualization
Francis Harvey (Germany) This atlas is your atlas: Towards atlases as narrative structures in the post-truth world
Susanne Bleisch (Switzerland) Opportunities and limitations of the story network principle – exemplified by the ‘Alters-Atlas’

18:00–20:00 Welcome drink move to the Faculty of Science (see the map)
19:00 Group photo with Olomouc panorama
DAY 2

Sessions 1 & Session 2

Venue: Dept. of Geoinformatics, 17. listopadu 50, Olomouc

9:00-10:30 **SESSION 1**  Chairperson: René Sieber

Eric Losang (Germany) *The atlas narrative – an analytical framework connecting structuralist and poststructuralist approaches*

Anthony C. Robinson, Cary Anderson, Sterling D. Quinn (USA)  *MapSieve: Evaluating Geovisualization for Spatial Learner Analytics*

Asche Hartmut, Andreas Fricke (Germany)  *From atlas production tools to atlas service system*

Robert Roth (USA)  *How can user-centered design studies contribute?*

10:30–11:00 coffee break

11:00-12:30 **SESSION 2**  Chairperson: Amy Griffin

Ismini E. Lokka, Arzu Çöltekin (Switzerland)  *Virtual environments designed to improve route-learning performance: A focus on age and visuospatial abilities*

Jan Brus, Stanislav Popelka (Czechia) *Intuitiveness of uncertainty visualisations: An user study*

Dajana Snopková (Czechia)  *Introducing the ColorADD color coding system in map design*

Mohd Shahmy Mohd Said (Great Britain)  *Classifying the Diversity of Bus Mapping Systems*

12.30–14.00 lunch
14:00-15:30 **SESSION 3** *Chairperson: Robert Roth*

- Katarzyna Słomska, Izabela Gołębiowska (Poland) **Do all digital natives fall for interactive maps?**
- Lilliam Sofia Gómez Solórzano (Honduras) **Atlases and Usability: People interaction with different cartographic means**
- Alena Vondráková (Czechia) **User Perception of Systematically Created Maps**
- René Sieber, Raimund Schnuerer (Switzerland) **Atlas of Switzerland – First Experience with User Activity Tracking**
- Meghan Kelly, Nick Lally, Robert Roth (USA) **Humanizing Interactive Maps**

15:30–16:00 coffee break
DAY 2
Enjoy Olomouc!
Olomouc city center

17:00 CITY WALK
MEETING POINT: The bronze model of Olomouc city, in the front of the Astronomical Clock

18:30 ORGAN CONCERT
St Moritz church in Olomouc is one of the city’s most notable landmarks. Built on the site of an earlier church that was destroyed by lightning in 1398, the church of St Moritz took a century and a half to complete and is one of the best examples of Early Gothic architecture in the Czech lands.

St Moritz also boasts one of the world’s largest pipe organs. In addition to regular services, the Engler organ is used for recordings of classical music and the International Festival of Organ Music, which begins annually in late September.

19:15 PUB PARTY
ŠNYT MIKULDA

SEE THE WORKSHOP MAP
(available at the registration desk)

- NADVAKRÁT: the most common way of tapping, beer with rich foam
- HLADINKA: fast way of tapping – tapped in one hit, it is fresh with higher sharpness
- ŠNYT: only part of the glass is filled, has a rich foam and a finer sharpness
- MLÍKO: only the foam is loaded into the glass, has a low carbon dioxide content, has a smoother taste – popular with women
- ČOCHTAN: only beer without foam, has a higher sharpness, it is better to drink it quickly
SUNDAY 29 April

NOTES

SESSION 4 Chairperson: Thomas Schulz

9:00-10:30

László Zentai (Hungary) Development of Hungarian school atlases in the last decades (Atlases)

Lukáš Herman (Czechia) How deal with user interaction in 3D geovisualizations?

Raimund Schnürer, Martin Ritzi, Arzu Çöltekin, René Sieber, Lorenz Hurni (Switzerland) Death to 3D pie charts? Hold on a second

Petr Trahorsch, Jan. D. Bláha (Czechia) Expert Assessment of Maps in Regional-geographic Textbooks in Terms of Their Usability

Viktor Chabaniuk (Ukraine) Deconstruction of atlas choropleth map

10:30–11:00 coffee break

SESSION 5 Chairperson: Menno-Jan Kraak

11:00-12:30

Olaf König (Switzerland) Retro-atlases II: a new edition of the first Statistical Atlas of Switzerland (1897)

Waldemar Spallek (Poland) Historical atlas of Hasidism: geovisualisation of mystical religious movement

Viktor Putrenko (Ukraine) Web Atlas of Sustainable Development of Ukraine

Bashkim Idrizi (Macedonia), Besart Halimi (Kosova) The 3D virtual cartographic model for the city of Prishtina
DAY 3
Trip
Meeting point (BUS): Dept. of Geoinformatics, 17. listopadu 50, Olomouc

13:00 DEPARTURE FROM OLOMOUC

15:00 MACOCHA ABBYS
Short (1,6 km) walk to *Punkevní jeskyně* caves (map 1)

16:00 PUNKEVNÍ JESKYNĚ CAVES
Excursion into caves, boat

17:00 Short (1,6 km) walk to *Skalní mlýn* meeting point (map 2)

18:00 ČERNÁ HORA THE OLDEST BREWERY IN CZECHIA
Dinner at Hotel Sladovná****, right next to the Černá Hora Brewery

21:00 ARRIVAL TO OLOMOUC
MONDAY 30 April

WORKSHOPS, Final discussion & Closing session

Venue: Faculty of Science, 17. listopadu 50, Olomouc

9:00–10:45 WORKSHOP 1 Wenke Zimmermann (Switzerland)
GIS LAB
SWISS WORLD ATLAS in Class Room – Concept and Development of Educational Workshop Units

9:00–10:45 WORKSHOP 2 Stanislav Popelka, Jitka Doležalová, Markéta Beitlová (Czechia)
S3
How different users read maps and atlases? Let’s try ScanGraph!

9:00–10:45 WORKSHOP 3 Viktor Chabaniuk (Ukraine)
Board Room
Atlas Extender as a Tool to Model Relational Spaces

11:00-12:00 FINAL DISCUSSION & CLOSING SESSION

12:00–12:30 buffet lunch

DEPARTURES SEE YOU IN OLOMOUC AGAIN!
IMPORTANT NOTES
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