

ICA COMMISSIONS JOINT WORKSHOP

PROGRAM

ATLASES COGNITION USABILITY



International Cartographic Association
Association Cartographique Internationale

OLOMOUC
27–30 April 2018



INTERNATIONAL CARTOGRAPHIC ASSOCIATION JOINT WORKSHOP



Palacký University
Olomouc



Program of the ICA Joint Workshop
Edited by Vít Voženílek, Alena Vondráková
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April 2018, Olomouc, Czechia

<http://spring2018.upol.cz>

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)



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of the Czech Science Foundation
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The workshop has been endorsed by ICA.

DAY 1

Workshop & Business meeting

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

FRIDAY 27 April

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)

NOTES

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 Çoltekin, Sidonie Christophe (Australia, Switzerland, France)

The reproducibility, crisis' in science: Is it relevant for cartographers? C

Menno-Jan Kraak (Netherlands) **Atlas, what atlas?** A

Vít Voženilek (Czechia) **Towards True Atlases: a System Theory in Atlas Conceptualization** A

Francis Harvey (Germany) **This atlas is your atlas:**

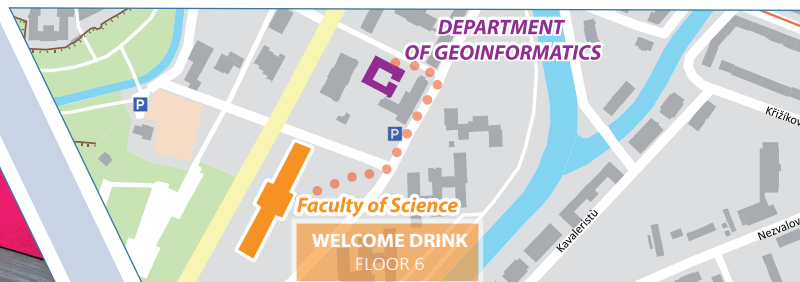
Towards atlases as narrative structures in the post-truth world A

Susanne Bleisch (Switzerland) **Opportunities and limitations**

of the story network principle – exemplified by the 'Alters-Atlas' A

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

SATURDAY 28 April

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

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

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

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

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

10:30–11:00 coffee break

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

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

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

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

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

12.30–14.00 lunch

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14:00-15:30 **SESSION 3** *Chairperson: Robert Roth*

Katarzyna Słomska, Izabela Gołębiowska (Poland) **Do all digital natives fall for interactive maps?** U

Lilliam Sofía Gómez Solórzano (Honduras)

Atlases and Usability: People interaction with different cartographic means U

Alena Vondráková (Czechia) **User Perception of Systematically Created Maps** C

René Sieber, Raimund Schnuerer (Switzerland)

Atlas of Switzerland – First Experience with User Activity Tracking A

Meghan Kelly, Nick Lally, Robert Roth (USA) **Humanizing Interactive Maps** U

15:30–16:00 coffee break

DAY 2

Enjoy Olomouc!

Olomouc city center

SATURDAY 28 April

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.



SEE THE WORKSHOP MAP
(available at the registration desk)

19:15 PUB PARTY

ŠNYT MIKULDA



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

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9:00-10:30 **SESSION 4** *Chairperson: Thomas Schulz*

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

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

Raimund Schnürer, Martin Ritz, Arzu Çöltekin, René Sieber, Lorenz Hurni (Switzerland) C
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 U

Viktor Chabaniuk (Ukraine) **Deconstruction of atlas choropleth map** A

10:30–11:00 coffee break

11:00-12:30 **SESSION 5** *Chairperson: Menno-Jan Kraak*

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

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

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

Bashkim Idrizi (Macedonia), Besart Halimi (Kosova)
The 3D virtual cartographic model for the city of Prishtina C

DAY 3

Trip

Meeting point (BUS): Dept. of Geoinformatics, 17. listopadu 50, Olomouc

SUNDAY 29 April

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 Sladovna****, right next to the Černá Hora Brewery

21:00 ARRIVAL TO OLOMOUC



MONDAY 30 April

DAY 4

Workshops, Final discussion & Closing session

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

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9:00–10:45 **WORKSHOP 1** *Wenke Zimmermann (Switzerland)*

GIS LAB

SWISS WORLD ATLAS in Class Room – Concept and Development of Educational Workshop Units A

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! C

9:00–10:45 **WORKSHOP 3** *Viktor Chabaniuk (Ukraine)*

Board Room

Atlas Extender as a Tool to Model Relational Spaces A

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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Faculty of Science

Palacký University Olomouc

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771 46 Olomouc

CZECHIA

<http://geoinformatics.upol.cz>

GPS 49.593812° N, 17.26551° E

