

Thumbadoo Romola V. and Wolodtschenko Alexander

Photoatlas



**D.R. Fraser
Taylor is now
an Officer of
the Order of
Canada**

Carleton
University 

Ottawa - Dresden
2024

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2. About the concept of a biographical photoatlas of Professor D. R. Fraser Taylor

Our photoatlas "Professor D. R. Fraser Taylor, Officer of the Order of Canada" presents and documents selected biographic facts about Professor Taylor. He is Director of the Geomatics and Cartographic Research Centre (GCRC) at Carleton University, Canada. This photoatlas continues the series of biographic atlases from the photoatlas collection of A. Wolodtschenko: <https://atlas-semiotics.jimdofree.com/bild-atlantothek/>

Alexander Wolodtschenko, one of the co-authors of this photoatlas, first met Professor Taylor when he was President of the International Cartographic Association (1991-1995), at the International Cartographic Conference 1993 in Cologne, Germany. It was the first ICA Conference in reunified Germany. Our cooperation resulted in a unique opportunity for a comparison and collaboration on two distinct concepts - Cybercartography (Taylor 2003) and Carto-atlas semiotics (Wolodtschenko 2002, 2006), within the framework of the new ICA commission "Theoretical Cartography" (1999-2011).

Romola V. Thumbadoo, the other co-author of this photoatlas, met Professor Taylor in 2007 in the context of her Circle of All Nations work with Indigenous Elder William Commanda; later she completed her related doctoral and post doctoral studies under his supervision; she continues this research at Carleton University, and also supports Professor Taylor's work at the GCRC. Both co-authors have collaborated on carto-semiotic photoatlassing research.

3. Short CV of D. R. Fraser Taylor

Professor D. R. Fraser Taylor is the Chancellor's Distinguished Research Professor, and Director of the Geomatics and Cartographic Research Centre (GCRC), Geography and Environmental Studies, at Carleton University, Ottawa, Canada. A cartographer and award winner of international renown, his current research is focused on developing the field of Cybercartography, which he first defined in 1997. Established in 2003, GCRC undertakes extensive research and publication, technological development of the Nunaliit digital atlas mapping framework, and national and international inter-disciplinary project development with academic institutions, Indigenous communities and others. He supervises postdoctoral and doctoral students, and has edited or co-edited 18 books (most recently, *Mapping Indigenous Knowledge in the Digital Age* (2022), *Further Developments in the Theory and Practice of Cybercartography: International Dimensions and Language Mapping and Language Mapping* (2019) and *Cybercartography in a Reconciliation Community: Engaging Intersecting Perspectives* (2019), *Developments in the Theory and Practice of Cybercartography: Applications and Indigenous Mapping* (2014).

4. Selected academic activities in cartography and geography

Professor Taylor is recognized as one of the world's leading cartographers, is a pioneer in the use of the computer in cartography and in the creation of digital atlases. He published the world's first thematic computer atlas, the Computer Atlas of Ottawa Hull in 1969/70.

In 1997, he introduced the concept of Cybercartography and established the Geomatic and Cartographic Research Centre (GCRC) at Carleton University, where the innovative Nunaliit digital atlas data management platform was created and developed by technologists, researchers and communities, including Indigenous, and supported by publication; it is the world's leading research center on Cybercartography.

Other details are as follows: In 1978 and 1979 Professor Taylor was elected President of the Canadian Cartographic Association. In 1999 he was appointed Co-Chair of the National Atlas Advisory Committee by Natural Resources Canada. In 2006 he received the Award of Distinction for exceptional scholarly contributions to cartography by the Canadian Cartographic Association.

He has been active in many areas of research in Canada, receiving funding for a "Living" Cybercartographic Atlas of Indigenous Artifacts and Knowledge from The Inukshuk Fund in 2007 and a Research Initiative Grant from the SSHRC in 2002 for the Cybercartography and the New Economy project. In 2012 he was awarded the Royal Canadian Geographic Society and 3M Canada Canadian Award for Environmental Innovation.

4. Selected academic activities in cartography and geography

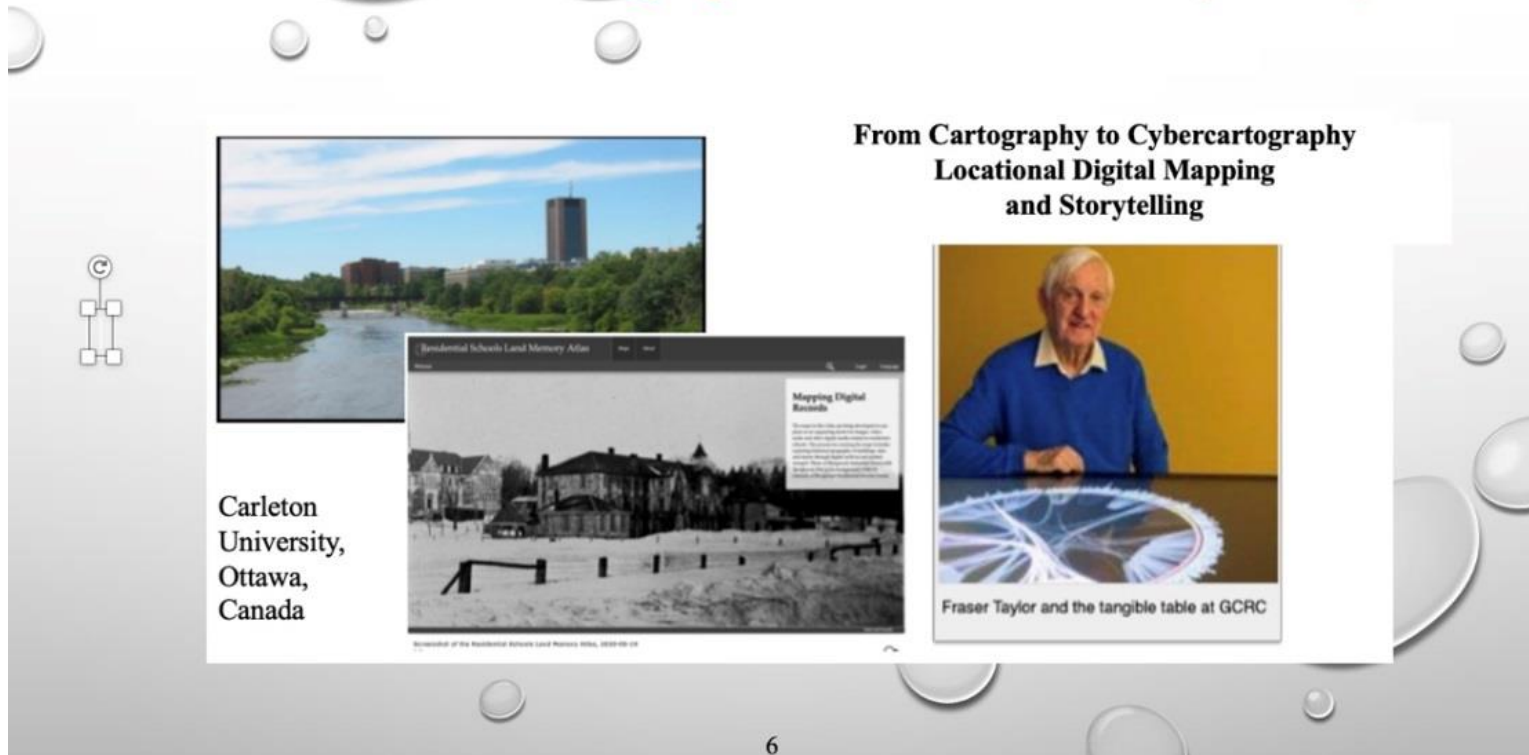
Geomatic and Cartographic Research Centre (GCRC)



Professor Taylor and his research team of the GCRC (2012?)

4. Selected academic activities in cartography and geography GCRC and cybercartographic projects

Geomatics and Cartographic Research Centre (GCRC)



Carleton University, Ottawa, Canada

From Cartography to Cybercartography
Locational Digital Mapping and Storytelling

Fraser Taylor and the tangible table at GCRC

6

In the GCRC were created about 20 cybercartographic atlases

5. Other selected research activities

Dr. Taylor is active in geospatial information management research: he is a member of the United Nations Committee of Experts on Global Geospatial Information Management (UNGIM), and serves as Canadian representative to the International Group on Earth Observation (GEO), which he was involved in establishing.

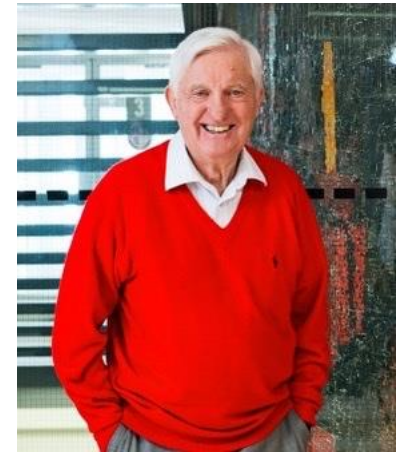
He has a strong background in international development, supporting the use of geographical information processing, cartography and Cybercartography with local communities, governments and academic institutions across Canada, and in Africa, India, Denmark, Norway, China, Mexico and Brazil. While President of the International Cartographic Association, he launched the Barbara Petchenik Children's Map Competition in 1993, and he is presently engaged in research in children's mapping as a methodology in child and youth care work practice in South Africa.

He was Secretary Treasurer of the Canadian Association of African Studies for fifteen years and received an Honorary Life Membership in the Association for his services to African scholarship, and the Association also established the Fraser Taylor Book Prize given to the graduate student presenting the best paper at the annual conference.

5. Other selected research activities

Dr. Taylor is widely published on both international development issues and cartography.

He serves as General Editor of the Elsevier Series on Modern Cartography, is on the Editorial Board of MDPI Academic Open Access Publication <https://www.mdpi.com/> and on the Editorial Board of Global World Prime trade magazine.



He has published well over twenty books, and his research is presented in over 80 book chapters, scholarly journals, conference proceedings, industry publication and media/press reports.

6. Selected International Cartographic Association (ICA) activities

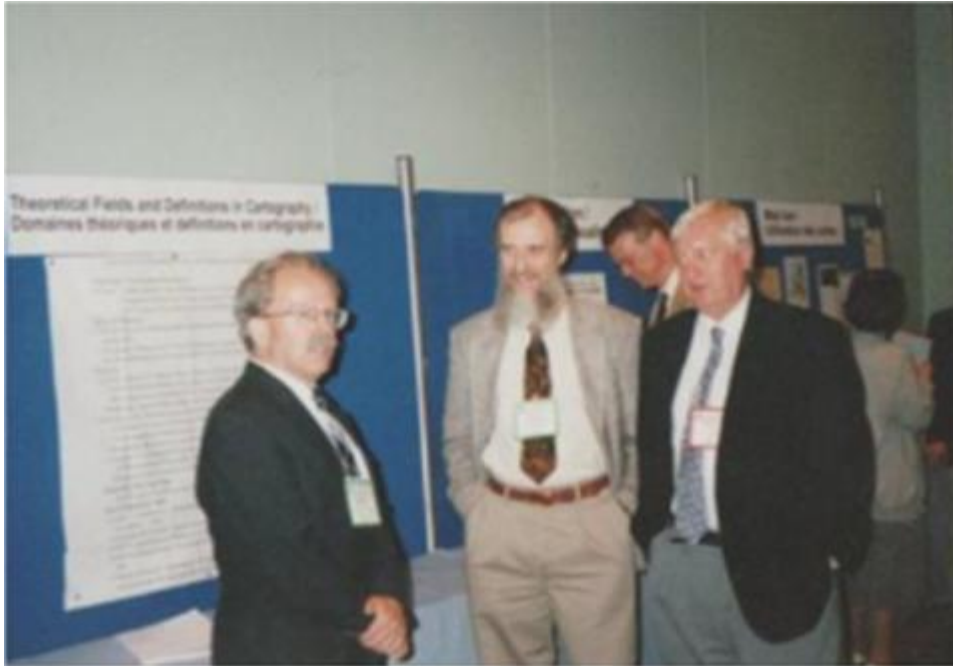
Professor D. R. Fraser Taylor was elected Vice-President of the International Cartographic Association (1984-1987) and elected President over two consecutive terms (1987-1991 and 1991-1995).



Professor D. R. Fraser Taylor at the ICC 2013 in Dresden

6. Selected International Cartographic Association (ICA) activities

ICC 1993 in Cologne, Germany

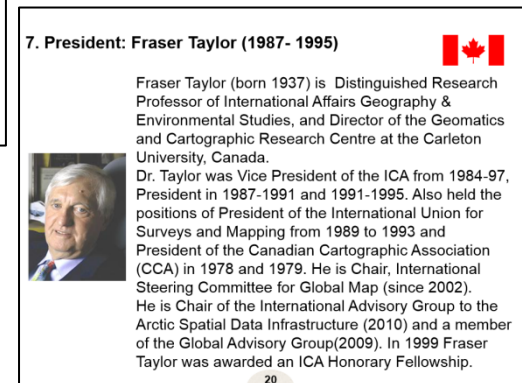
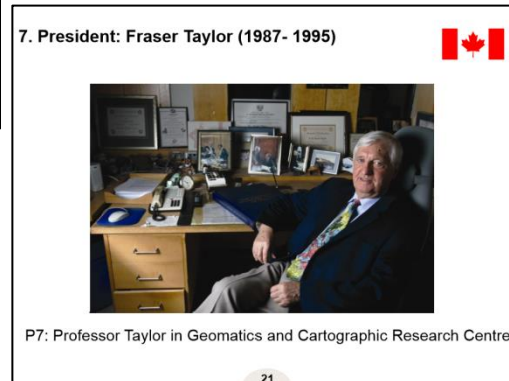
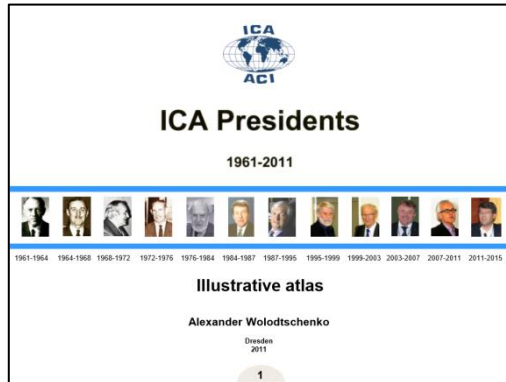


The co-author of this photoatlas, Alexander Wolodtschenko, first met Professor Taylor at the International Cartographic Conference 1993 in Cologne, Germany.

Fraser Taylor (right), Alan Mac-Echren and Hansgeorg Schlichtmann at ICC 1993 in Cologne

6. Selected International Cartographic Association (ICA) activities

D. R. Fraser Taylor in photoatlas „ICA Presidents“ 1961-2011




The 7th ICA President D. R. Fraser Taylor in photoatlas „ICA Presidents“ by A.Wolodtschenko (Illustrative atlas. Dresden 2011)

6. Selected International Cartographic Association (ICA) activities

D. R. Fraser Taylor in collaboration project 2021 „New Mapping/Photoatlassing Synthesis“

**Cartography in the Social Media Era:
A New Balance and Synthesis**

D. R. Fraser Taylor, Romola V. Thumbadoo (Ottawa, Canada), Ilya Zaslavsky (San Diego, USA)
and Alexander S. Wolodtschenko (Dresden, Germany)



**Conceptions
Projects
Proposals**

ICC 2021, Florence, Italy

Screenshot of start page of our presentation at the ICA Conference 2021 in Florence, Italy

6. Selected International Cartographic Association (ICA) activities

D. R. Fraser Taylor in collaboration in Children's Mapping 2023

From ICC 2003 in Durban to ICC 2023 in Cape Town and to Collaborative Work with the National Association of Child Care Workers in South Africa, Geomatics and Cartographic Research Centre and Circle of All Nations

CARTOGRAPHY, CHILD CARE WORK AND CHILDREN'S MAPPING

DRAWING, PAINTING & PHOTOATLAS MAP STORYTELLING

AN INNOVATIVE TRANSDISCIPLINARY PROJECT

A COLLABORATION OF GCRC, NACCW AND CAN

GEOMATICS AND CARTOGRAPHIC RESEARCH CENTRE
NATIONAL ASSOCIATION OF CHILD AND YOUTH CARE WORKERS
CIRCLE OF ALL NATIONS

CARTOGRAPHY, CHILD CARE WORK AND CHILDREN'S MAPPING

**CHILDREN MAPPING THEIR REALITIES AND ASPIRATIONS:
AN INNOVATIVE METHODOLOGY WITH IMPLICATIONS FOR PRACTICE,
PROGRAM, POLICY AND ADVOCACY IN CHILD AND YOUTH CARE WORK**

A COLLABORATION OF GCRC, NACCW AND CAN

GEOMATICS AND CARTOGRAPHIC RESEARCH CENTRE (GCRC)
NATIONAL ASSOCIATION OF CHILD AND YOUTH CARE WORKERS (NACCW)
CIRCLE OF ALL NATIONS (CAN)

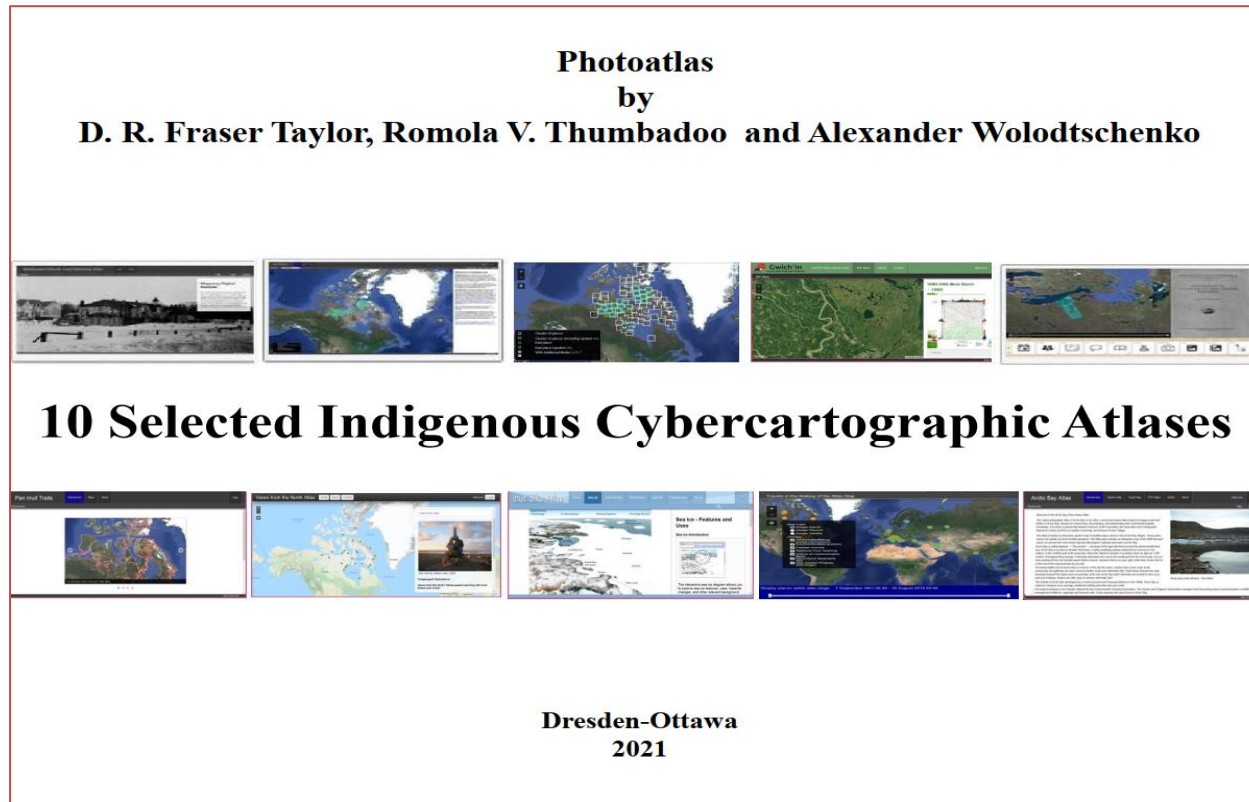
COLLABORATORS

PRESENTERS

Collaborators made four presentations on Children's Mapping at ICC 2023

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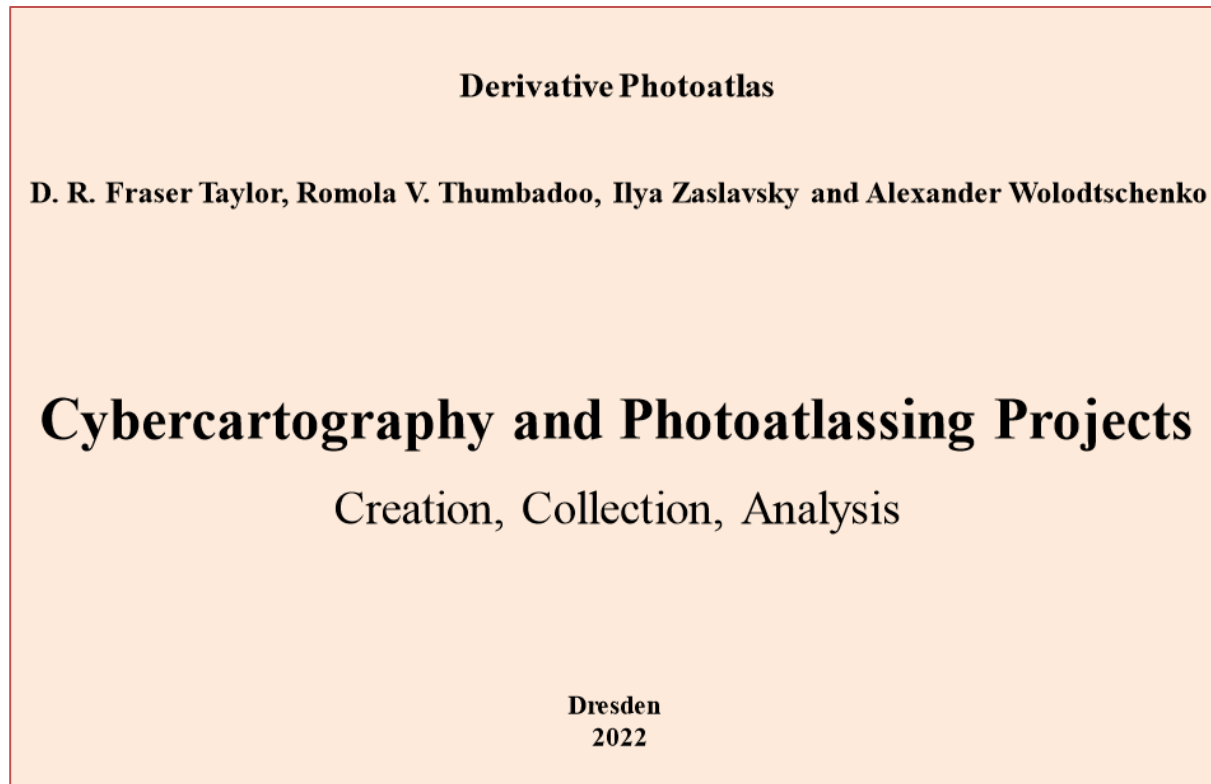
7. Selected photoatlas projects (2021-2023)



The illustrative atlas "10 Selected Indigenous Cybercartographic Atlases" 2021 was our first photoatlas project in which the core content of the atlas is formed by the title pages of 10 cybercartographic atlases.

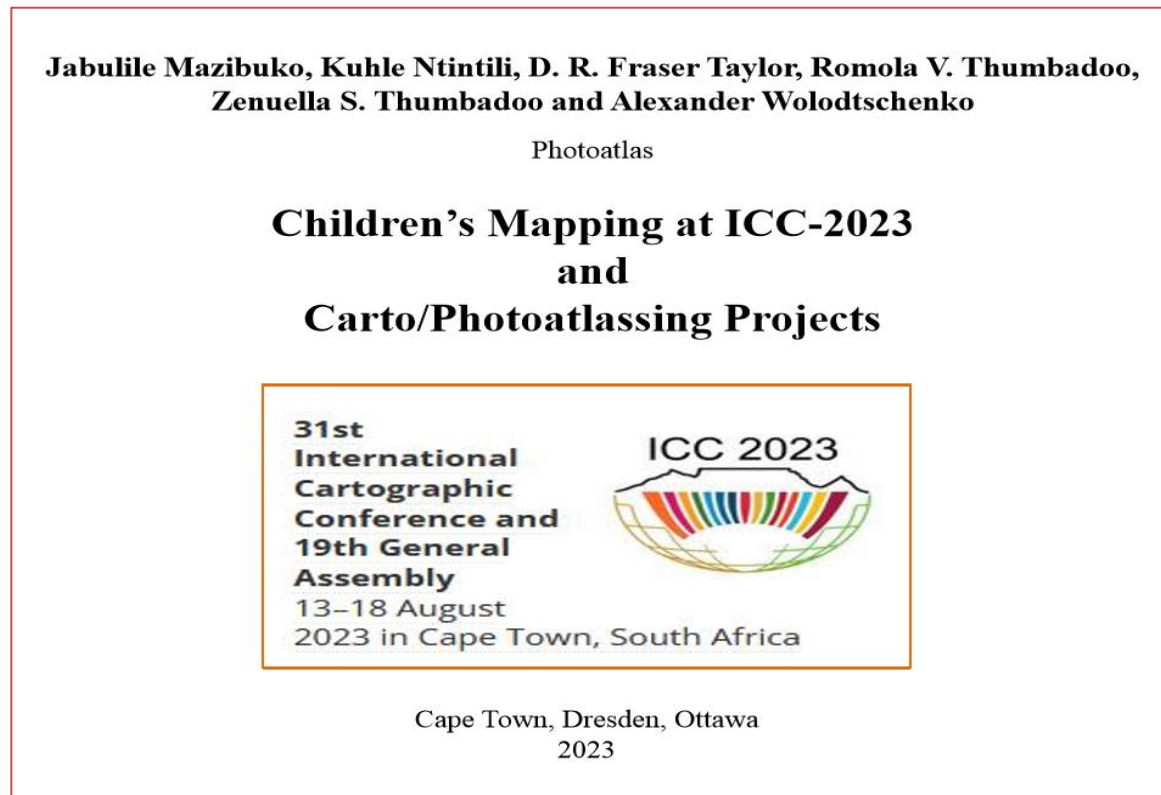
Taylor D. R. F., Thumbadoo, R. V., Wolodtschenko, A.(2021): 10 Selected Indigenous Cybercartographic Atlases. Photoatlas. Dresden-Ottawa 2021.

7. Selected photoatlas projects (2021-2023)



The illustrative atlas "Cybercartography and Photoatlassing Projects" 2022 was our second photoatlas project which was devoted to the creation, collection and analysis of photoatlases. *Taylor, D. R. F., Thumbadoo, R. V., Wolodtschenko, A., and Zaslavsky, I.(2022): Cybercartography and Photoatlassing Projects. Potoatlas. Dresden 2022*

7. Selected photoatlas projects (2021-2023)



The illustrative atlas "Children's Mapping at ICC-2023 and Carto/Photoatlassing Projects" 2023 was our third photoatlas which was devoted to the creation of children mapping and photoatlassing projects.

Mazibuko, J., Ntintili, K. Taylor, D. R. Fraser, Thumbadoo, R. V., Thumbadoo Z. S., Wolodtschenko A. (2023): Children's Mapping at ICC-2023 and Carto/Photoatlassing Projects. Photo-atlas. Cape Town, Dresden, Ottawa 2023

7. Selected photoatlas projects (2021-2023)



Jabulile Mazibuko
(South Africa)



Romola V. Thumbadoo
PhD Geography
(Canada)



Dr. Zenuella S. Thumbadoo
(South Africa)



Kuhle Ntintili
(South Africa)



D. R. Fraser Taylor,
professor, dr.
(Canada)



Alexander
Wolodtschenko,
dr. dr.h.c. (Germany)

An international team of authors of the third photoatlas 2023

8. Key Awards: D. R. Fraser Taylor (1999-2021)



Order of Canada OC (2021)



Killam Prize for the
Social Sciences Winner (2014)



ICA Carl Mannerfelt Gold Award (2013)



ICA Honorary Fellowship (1999)

8. Key Awards: D. R. Fraser Taylor (1999-2021)



Professor D. R. Fraser Taylor was inducted into the Order of Canada in 2023 by her Excellency Governor General Mary Simon; he was appointed Officer of the Order of Canada (2021); this is the pillar of the Canadian Awards System.

Other notable achievements are as follows:
Killam Prize for the Social Sciences Winner (2014)
Carl Mannerfelt Gold Award (2013)
3M/Royal Canadian Geographic Society Award for Environmental Innovation (2012)
Fellow of the Royal Society of Canada (2008)
Degrees: M. A. (Edinburgh), P.G.C.E. (London), Ph.D. (Edinburgh)

8. Key Awards: D. R. Fraser Taylor (1999-2021)



Professor Georg Gartner presented the ICA Carl Mannerfelt Gold Award to Professor D. R. Fraser Taylor at the ICC 2013 in Dresden. This was the first time that this prestigious award was presented to a Canadian.

9. References

Taylor, D.R.F.(1993): Geography, GIS and the modern mapping science/ convergence or divergence? *Cartographica*, vol.30, Nr.2/3 1993, pp. 47-53.

Taylor, D. R. F. (1997): Maps and Mapping in the Information Era. In Ottoson, L. (ed.) *Proceedings of the 18th ICA/PCI International Cartographic Conference, ICC 1997, Vol. 1*, Gavle: Swedish Cartographic Society, 1-10.

Taylor, D. R. F. (2003): The Concept of Cybercartography. In Peterson, M. (ed.) *Maps and the Internet*, Oxford: Elsevier, 405-420.

Taylor D. R. F. (2019): Cybercartography Revisited. In: Taylor, D. R. F., Anonby, E. and Murasugi, K. *Further Developments in the Theory and Practice of Cybercartography*. San Diego, Elsevier. 2019.

Taylor, D. R. F., Thumbadoo, R. V., Wolodtschenko, A., and Zaslavsky, I.(2021): Cartography in the Social Media Era: A New Balance and Synthesis, *Abstr. Int. Cartogr. Assoc.*, 3, 287, <https://doi.org/10.5194/ica-abs-3-287-2021>, 2021.

Thumbadoo R. V., Taylor D. R. F. (2020): William Commanda, Oral Wampum Storytelling, Digital Technology and Remapping Indigenous Presence Across North America In *Mapping with Indigenous Peoples in Canada*. Hess, J. (Ed.) Routledge. 2021.

Wolodtschenko A.(2002): Kartosemiotik in Europa. In: *Diskussionsbeitraege zur Kartosemiotik und zur Theorie der Kartographie*. (Hrsg. H.Schlichtmann und A.Wolodtschenko). H.5. Dresden 2002.

Wolodtschenko A.(2006): *Atlas Kartosemiotik*. Dresden 2006.

10. Web addresses and imprints

Slides 1, 6, 7, 14, 18: from photo archives of R. V. Thumbadoo

Slide 9: from photo archives D. R. Fraser Taylor

Slides 10, 21: from photo archives of ICA

Slides 11, 12, 13, 15-17: from photo archives of A. Wolodtschenko

Slide 19: from photo archives of ICA/ <https://carleton.ca/geography/people/taylor-fraser/>

Slide 20: <https://carleton.ca/geography/people/taylor-fraser/>

Selected web-addresses:

<https://www.circleofallnations.ca>

<https://atlas-semiotics.jimdo.com/bild-atlantothek/>

<https://gcr.ccarleton.ca>

<https://carleton.ca/geography/people/taylor-fraser/>

Romola V. Thumbadoo and Alexander Wolodtschenko

Professor D. R. Fraser Taylor: Officer of the Order of Canada

Photoatlas

Ottawa, Dresden 2024