

**Jabulile Mazibuko, Kuhle Ntintili, D. R. Fraser Taylor, Romola V. Thumbadoo,  
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Photoatlas

# **Children's Mapping at ICC-2023 and Carto/Photoatlassing Projects**

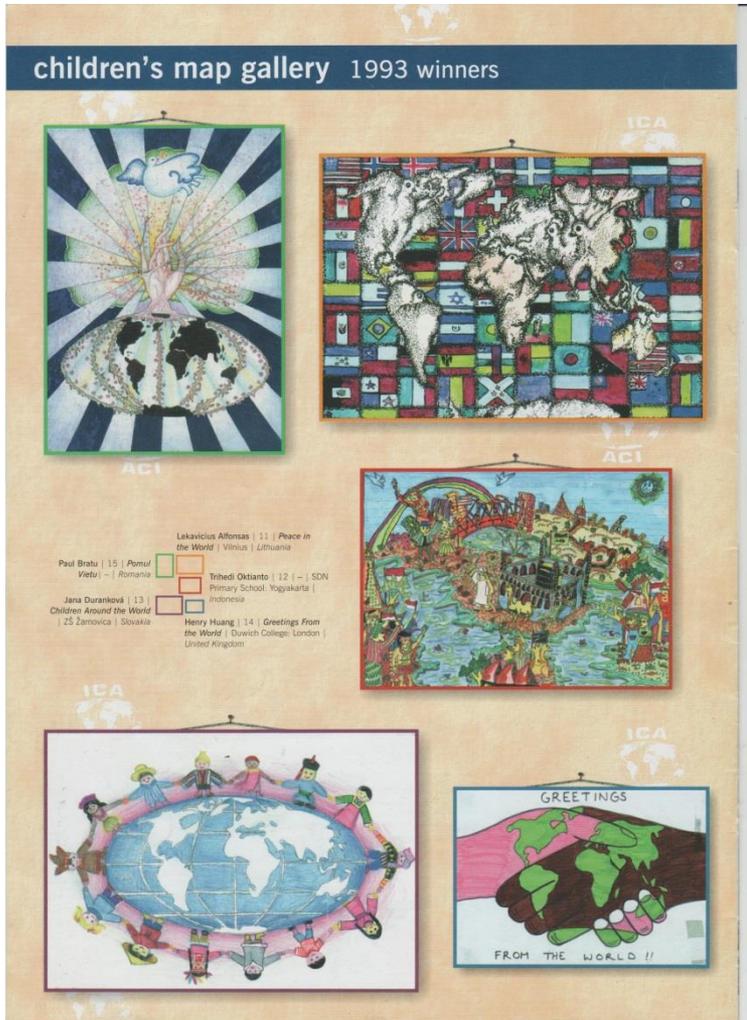


Cape Town, Dresden, Ottawa  
2023

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# 1. ICA Childrens' Mapping Project and Barbara Petchenik Children's Map Competitions (1993)



The Barbara Petchenik Award was created by the ICA in 1993 as a memorial for Barbara Petchenik (1939-1992) a past Vice-president of the ICA who worked many years with children's maps.

A few notable milestones:

1993- first competition held on the ICC Cologne

1995 – Working Group „Cartography and Children“

1999 – ICA Commission „Cartography and Children“

# 1. ICA Childrens' Mapping Project and Barbara Petchenik Children's Map Competitions (1993)



Carleton University has digitized and archived the maps created by children from across the globe and has created the website dedicated to making them accessible:

<https://library.carleton.ca/find/maps/childrens-maps>

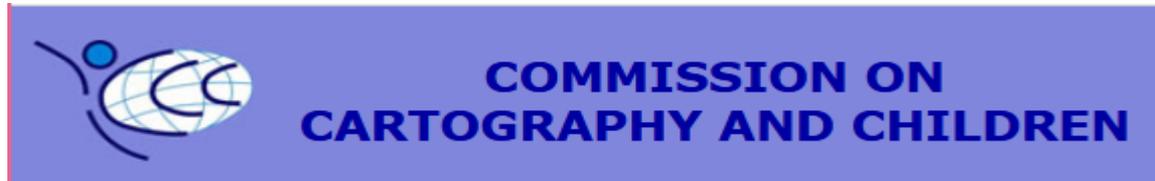
<https://childrensmaps.library.carleton.ca/>



Archive of The Barbara Petchenik  
Children's Map Competition



# 1. ICA Childrens' Mapping Project and Barbara Petchenik Children's Map Competitions (1993)



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The ICA Commission on Cartography and Children provides support to the ICA Executive in relation to the rules, judging and other tasks related to the Barbara Petchenik Children's World Map Competition, including the popularization of the Barbara Petchenik Competition in social networks.

Barbara Petchenik Competition 2023 has the theme: "A map of my future world".

# **1. ICA Childrens' Mapping Project and Barbara Petchenik Children's Map Competitions (1993)**

Countries across the globe, and in particular Brazil, Bulgaria, Hungary, Spain and Canada, have engaged enthusiastically over the years: for example, Brazil has engaged in intensive school mapping work with children, academia and researchers, some of this presented in commemorative books, including Dr. Carla de Sena's recent book "Children's Maps: The History of the Livia de Oliveira Competition" (2021); from 2005, ICA, in collaboration with prestigious publishers like Esri Press, SinoMaps and National Geographic Institute of Spain produced the "Children Map the World" series; submitted drawings are also examined in academic publications by international and national organizations in different countries; other recent publications include the bilingual book entitled "SDGs in action: a generations' view", published by the Jobstmedia Präsentation Verlag and the Vienna University of Technology in 2021 <https://sdggeneration.cartography.at/>; and Detska mapa sveta Barbara Petchenik Children's Map Competition book (2023) Bratislava by Monika Kopecka and Martin Ksinan.

The thirty-year anniversary of the Barbara Petchenik Children's Map Competition, created by the International Cartographic Association (ICA) in 1993, was celebrated at the 31st International Cartographic Conference (2023 ICC) in Cape Town, South Africa. Twenty years earlier, in 2003, the conference had been hosted in Durban, South Africa.

## 2. ICC 2003 in Durban, South Africa

### 20 YEARS AGO, ICA 2003 WAS HOSTED IN SOUTH AFRICA!

- Today, in a globally connected world, it is more important than ever to engage children and young people in thoughtful exploration of the locational realities of the times, to ground them in their homelands, as well as to prepare them for future leadership roles
- This is particularly important for Africa
- United Nations data indicates that Africa is the fastest growing continent and affirms that the region will play a central role in shaping the size and distribution of the world's population over the coming decades. <https://www.un.org/en/global-issues/population>

## 2. ICC 2003 in Durban, South Africa



Cover of the ICA News 40/2003: “Africa in hope” by Alexander Faber (Guinea).  
The children map of Barbara Petchenik Competition 1999.

## 2. ICC 2003 in Durban, South Africa



Cover of the ICA News 39/2002: “Save the Earth” by Leon van Rooyen (South Africa).  
The children map of Barbara Petchenik Competition 2001.

## 2. ICC 2003 in Durban, South Africa

### 2004 Calendar with winner maps of previous Barbara Petchenik Competitions



2004 the International Cartographic Association (ICA) & Council for Geoscience (South Africa) published a calendar with selected children's maps of Barbara Petchenik Competition.

### 3. From ICC 2003 in Durban to ICC 2023 in Cape Town

**CARTOGRAPHY, CHILD CARE WORK  
AND CHILDREN'S MAPPING**

**DRAWING, PAINTING &  
PHOTOATLAS MAP STORYTELLING**

**AN INNOVATIVE TRANSDISCIPLINARY PROJECT**

**A COLLABORATION OF GCRC, NACCW AND CAN**

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

**PRESENTERS**

**COLLABORATORS**

Presenters listed: Ronald V. Thombado (Canada), Dr. Zanele S. Thombado (South Africa), Alexander Witzelbein, Dr. & h.c. (Germany), D. S. Fraser Taylor (Canada), and Abubelo Mambaka (South Africa).

**ICC 2023**

**31<sup>st</sup> International Cartographic Association Conference and 19<sup>th</sup> General Assembly**

**13 – 18 August 2023**

**Cape Town, South Africa**

ICA News / Nouvelles de l'ACI

Selected slides of our presentation “Cartography, Child Care Working and Children’s Mapping” for ICC 2023

## 4. South Africa Children's Map Competitions (2023) and International Children's Mapping Project

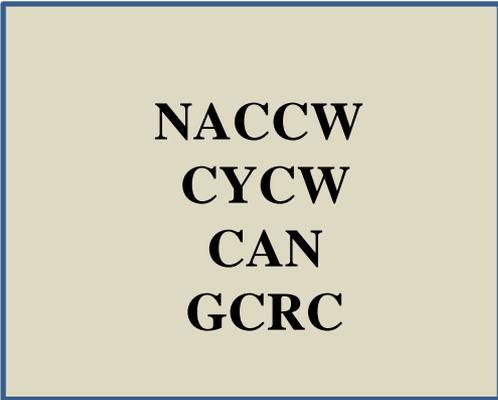
The collaborative **Children's Mapping Project** was initiated in January 2022. It engages social services sector child and youth care workers, researchers and children from a diversity of locations (urban, rural, informal settlements and isolated), with a range of environmental challenges (floods to drought and power outage) and community and social challenges (safety, poverty, empowerment) in cartography and locational exploration of a complex intersection of critical issues.

The initiators this project were National Association of Child Care Workers (NACCW) in South Africa, child and youth care workers (CYCWs) in the Isibindi-Ezikoleni (Safe Parks/Courage in Schools). With support of Geomatics and Cartographic Research Centre at Carleton University and the National Association of Child Care Workers (NACCW) (CAN) this project received an international format.

This special 30th year anniversary of the competition presented as a pivotal moment to commemorate, advance and expand the reach and import of children mapping their worlds. The Geomatics and Cartographic Research Centre (GCRC) at Carleton University, together with colleagues from the National Association of Child Care Workers (NACCW) (<https://naccw.org.za>), South Africa, and the Circle of All Nations (CAN) as legacy work of Indigenous Elder William Commanda (<https://circleofallnations.ca>) made five presentations at ICC 2023, four in the context of the Children's Map Competition.

## **4. South Africa Children's Map Competitions (2023) and International Children's Mapping Project**

In this collaboration, colleagues have been engaged in the development of an innovative transdisciplinary project where cartography, child and youth care work, social justice priorities and Indigenous approaches are intermeshed with art and creativity, drawing together distinct disciplinary priorities of geo-science, social service and arts and humanities, to take Children's Mapping from competition to affirmation of rights, consistent with the United Nations Convention on the Rights of the Child.

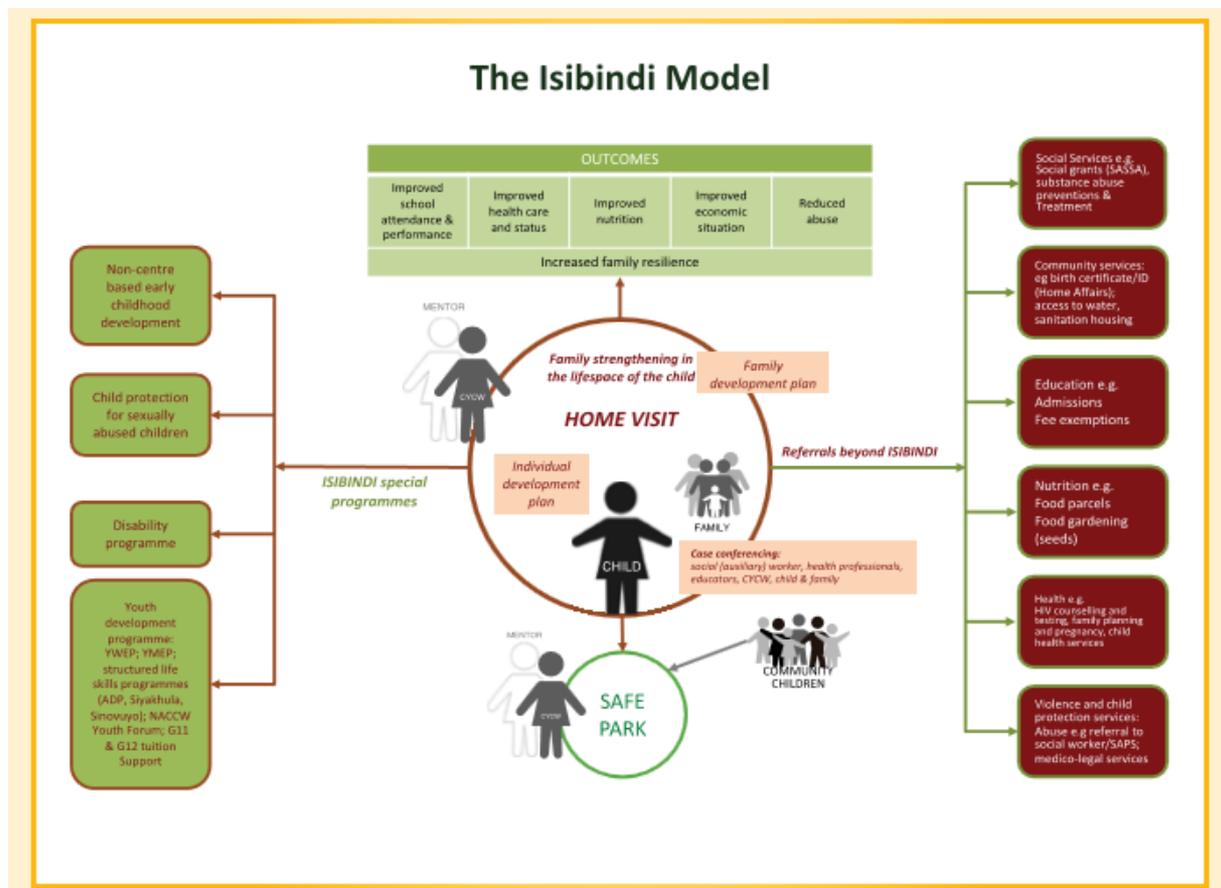


**NACCW  
CYCW  
CAN  
GCRC**

- National Association of Child Care Workers (NACCW)
- Child and Youth Care Workers (CYCWs) in the Isibindi-Ezikoleni
- Circle of All Nations (CAN)
- Geomatics and Cartographic Research Centre (GCRC) at Carleton University

## 4. South Africa Children’s Map Competitions (2023) and International Children’s Mapping Project

Today, in a globally connected world, it is more important than ever to engage children and young people in thoughtful exploration of the locational realities of the times, to ground them in their homelands, as well as to prepare them for future leadership roles. This is particularly important for Africa.



The Isibindi model was implemented in the Northern Cape and Western Cape (provinces in South Africa) as special education programme by child and youth care workers (CYCWs).

# 4. South Africa Children's Map Competitions (2023) and International Children's Mapping Project

The NACCW has got about 70 children's maps from seven provinces in South Africa for Barbara Petchenik Competition 2023. The slide shows a gallery of 18 selected maps from seven provinces.

The gallery displays 18 children's map competition entries, each consisting of a map and a text slide, grouped by province:

- 2** Loriesfontein - Northern Cape and Northern Cape - Kimberley
- 3** Loriesfontein - Northern Cape and Northern Cape - Kimberley
- 4** Loriesfontein - Northern Cape and Northern Cape - Kimberley
- 5** Loriesfontein - Northern Cape and Northern Cape - Kimberley
- 6** Northern Cape - Postmasburg
- 7** Northern Cape - Postmasburg
- 8** Northern Cape - Postmasburg
- 9** Northern Cape - Postmasburg
- 10** Northern Cape - Postmasburg
- 11** Northern Cape - Postmasburg
- 12** Northern Cape - Postmasburg
- 13** Northern Cape - Postmasburg
- 14** Northern Cape - Postmasburg
- 15** Northern Cape - Postmasburg
- 16** Western Cape - Grabouw
- 17** Western Cape - Grabouw
- 18** Western Cape - Grabouw
- 19** Western Cape - Grabouw
- 20** Western Cape - Grabouw
- 21** Kwa-Zulu Natal
- 22** Kwa-Zulu Natal
- 23** Kwa-Zulu Natal
- 24** Kwa-Zulu Natal
- 25** Kwa-Zulu Natal
- 26** Free State
- 27** Free State
- 28** Free State
- 29** Free State
- 30** Free State
- 31** Mpumalanga
- 32** Mpumalanga
- 33** Mpumalanga
- 34** Mpumalanga
- 35** Mpumalanga
- 36** Mpumalanga
- 37** Mpumalanga
- 38** Gauteng - Youth Forum
- 39** Gauteng - Youth Forum
- 40** Gauteng - Youth Forum
- 41** Gauteng - Youth Forum
- 42** Gauteng - Youth Forum
- 43** Gauteng - Youth Forum
- 44** Gauteng - Youth Forum

## 4. South Africa Children's Map Competitions (2023)



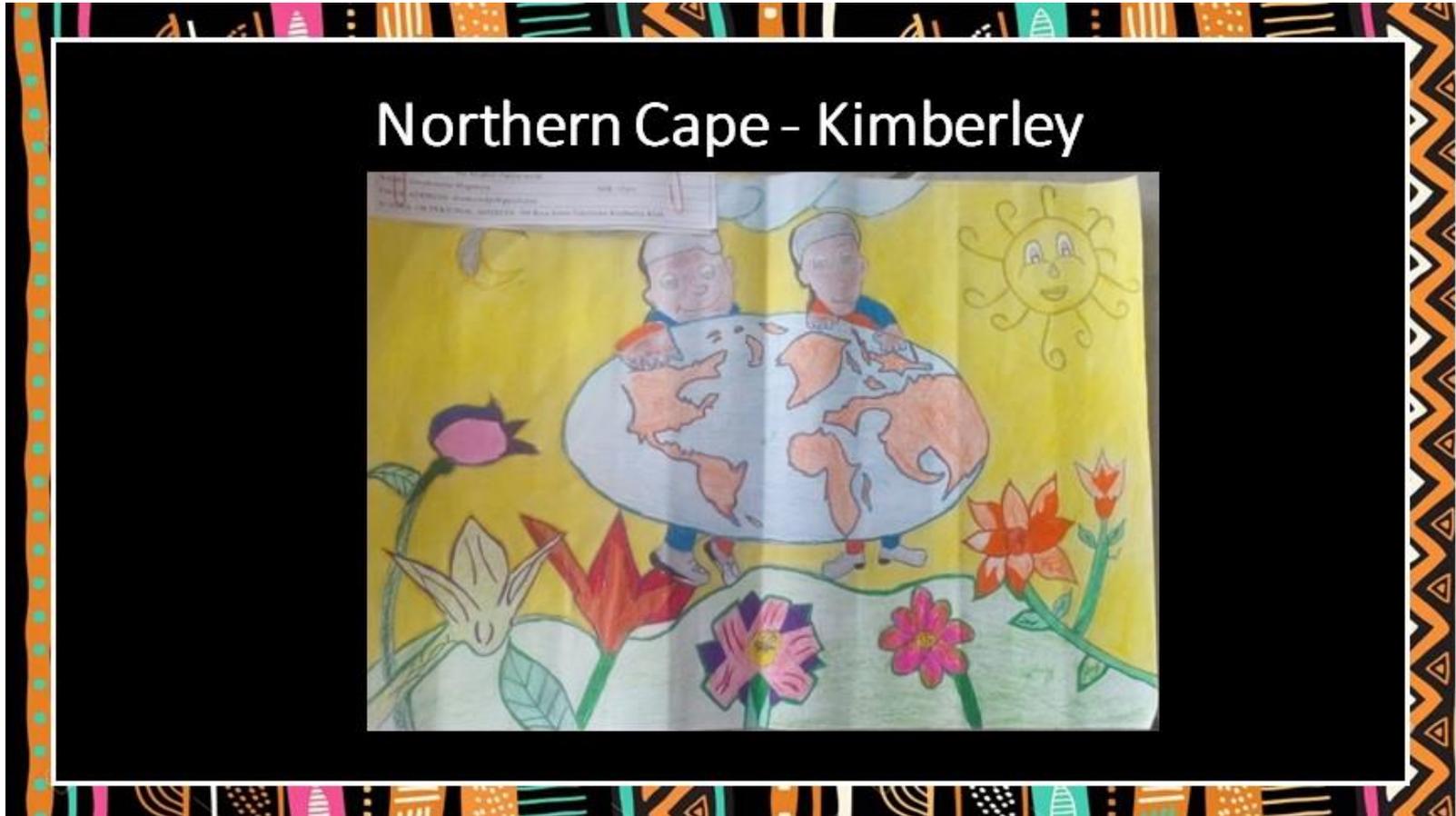
Selected Children's Maps for Barbara Petchenik Competition 2023 from 7 Provinces in

## 4. South Africa Children's Map Competitions (2023)



A Children's Map from Province Loriesfontein - Northern Cape for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)



A Children's Map from Province Northern Cape - Kimberley for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)



A Children's Map from Province Western Cape - Grabouw for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)



A Children's Map from Province Kwa – Zulu Natal for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)



A Children's Map from Province Kwa – Zulu Natal for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)



Free State

A Children's Map from Province Free State for Barbara Petchenik Competition 2023

## 4. South Africa Children's Map Competitions (2023)

Mpumalanga



A Children's Map from Province Mpumalanga for Barbara Petchenik Competition 2023

## 5. Results of the Barbara Petchenik Children's Map Competitions (2023)



### Barbara Petchenik Competition 2023



#### Under 6 years:

1<sup>st</sup> award: *The world in my hands*, Anja Schwarz (4), Stuttgart (Germany), 51 points

2<sup>nd</sup> award: *My dream of travelling around the world*, Huang Enze (5), Zunyi (China), 40 points

3<sup>rd</sup> award: *Blooming*, Manuela Diez Marin (5), Baños de Rio Tobia (Spain), 18 points

#### 6 to 8 years:

1<sup>st</sup> award: *My Dream World is Waste-less Colorful World*, Odilia Kinar Kanyamaheswari (8), Bogor (Indonesia), 30 points

2<sup>nd</sup> award: *Happy zoofamily*, Kseniya Belaya (7), Moscow (Russian Federation), 27 points

3<sup>rd</sup> award: *My footprint in the world*, Alan David Perugachi Neira (7), La Libertad (Ecuador), 15 points

#### 9 to 12 years:

1<sup>st</sup> award: *I imagine it like this...*, Olivér Emmert (11), Mohács (Hungary), 40 points

2<sup>nd</sup> award: *My Colourful Future*, Anaya Cherian (11), Surrey BC (Canada), 13 points

3<sup>rd</sup> award: *Disparities of energy demand and sources in a Future World*, Shubham Sen (12), Mumbai (India), 12 points

#### 13 to 15 years:

1<sup>st</sup> award: *Fragile like bubbles*, Nela Korčušková (14), Trstená (Slovakia), 28 points

2<sup>nd</sup> award: *Open your eyes before it's too late*, Meiran Nadjar (13), Hadera (Israel), 18 points

3<sup>rd</sup> award: *We the future*, You Chobi (15), Ocheon (Republic of Korea), 16 points

**Creativity award:** *Multiverse*, Tan Iro (13),  
Johor (Malaysia)

**Public award:** *Happy zoofamily*, Kseniya Belaya (7),  
Moscow (Russian Federation)

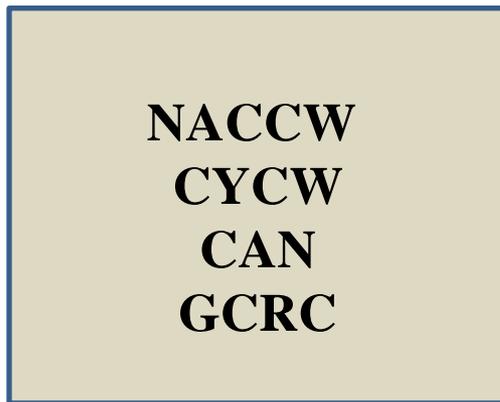
## 6. From Fourpartite Mapping Project to Fivepartite Carto/Photoatlassing Project

The International Children's Mapping Project (2023) became the source for the creation of the new Carto/Photoatlassing Project with creation of new photoatlas.

The section Environmental and Carto/Atlassemiotics (UKAS in German) of German Semiotic Association expanded the number of participants in the new project.

A new Carto/Photoatlassing Project includes the creation of this photoatlas and an presentation for Semiotic Congress 2024 in Germany.

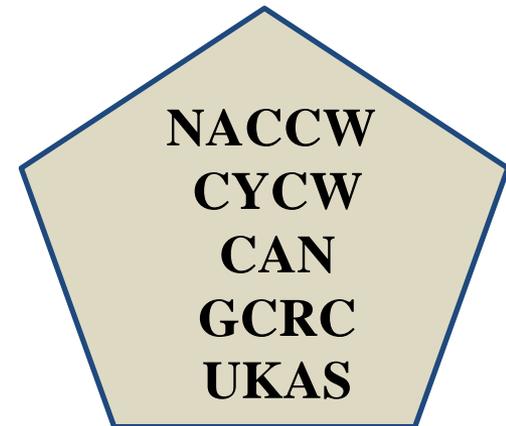
Children's Mapping Project



- Five Presentation at ICC-2023 in Cape Town



Carto/Photoatlassing Project



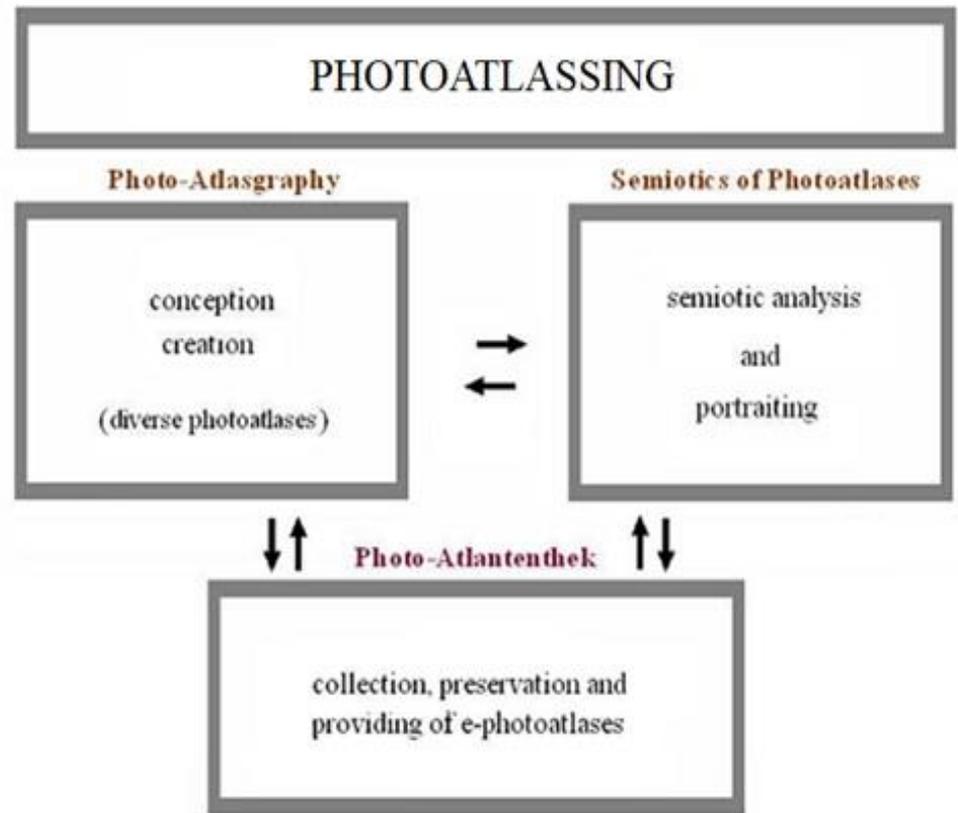
- Photoatlas: Children's Mapping at ICC-2023
- Presentation for Semiotic Congress 2024 in Germany

## 6. From Fourpartite Mapping Project to Fivepartite Carto/Photoatlassing Project

The structural model of photoatlassing includes three function-related blocks: creation, semiotic analysis and collection of photoatlases.

Photoatlassing is one of the components of atlassing, a new applied and epistemological direction in the study and creation of various photoatlases (with cartographic and non-cartographic traditions) based on their semiotic classification and in a semiotic coordinate system.

Our Carto/Photoatlassing Project includes creation and semiotic analysis of photoatlases with cartographic traditions.



Three structure blocks of photoatlassing  
(after Wolodtschenko 2020)

# 6. From Fourpartite Mapping Project to Fivepartite Carto/Photoatlassing Project

## PHOTOATLASSING

### As student courses

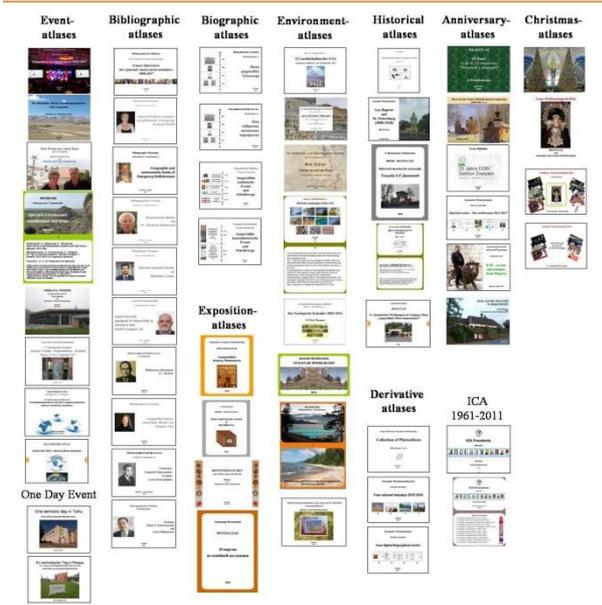
Photoatlassing  
at TU Dresden  
2008-2013

### As special projects

Photoatlassing  
in DGS Sektion  
Umwelt/Karto/Atlassemiotik  
2017-2024

### As collection

Photoatlassing  
e-Collection  
2017-2024  
<https://atlas-semiotics.jimdo.com>



## 7. About our Photoatlas

This photoatlas was conceived by an international team of authors as storytelling based on the materials of our presentation "Cartography, Child Care Working and Children's Mapping" at the ICC 2023 in Cape Town.

The photoatlas contains selected analysis of events and facts such as:

- ICA Childrens' Mapping Project
- Barbara Petchenik Children's Map Competitions and ICC 2003 in Durban и ICC 2023 in Cape Town
- international mapping project of NACCW/CYCW/CAN in the Republic of South Africa
- results of Barbara Petchenik Children's Map Competitions (2023)
- from fourpartite mapping project to fivepartite carto/photoatlassing project.

This photoatlas serves to popularize the activities of the ICA Commission on Cartography and Children, and the international project NACCW/CYCW/CAN within the framework of the Isibindi model in South Africa, as well as a new semiotic-epistemological methodology and storytelling-related knowledge with fivepartite carto/photoatlassing project.

This photoatlas is a part of thematic photoatlas collection that can be found at the following web address: <https://atlas-semiotics.jimdofree.com/bild-atlantothek/>

## 7. About our Photoatlas Collaborators



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Kuhle Ntintili  
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Alexander  
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## 7. About our Photoatlas

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- Taylor, D. R. F. Geomatics and Cartographic Research Centre (GCRC), Carleton University, Canada; Twice Past President of the International Cartographic Association; launched the Barbara Petchenik Children's Mapping Competition in 1993; he articulated and developed the domain of Cybercartography, digital atlas creation on the Nunaliit software platform [fraser.taylor@carleton.ca](mailto:fraser.taylor@carleton.ca); <https://gcrc.Carleton.ca>
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- Wolodtschenko, A., Dr. Dr.h.c., Member of Scientific Advisory Board of the German Society for Semiotics (DGS) Co-chairman, Section "Umwelt- und Karto/Atlassemiotik"(DGS) Co-editor: DKTK, Meta-carto-semiotics; ERASMUS-Docent of the TU Dresden (since 2005) <http://www.semiotik.eu/Oeko-und-Kartosemiotik>  
<http://ojs.meta-carto-semiotics.org> , [alexander.wolodtschenko@mailbox.tu-dresden.de](mailto:alexander.wolodtschenko@mailbox.tu-dresden.de)

## 8. References and Imprint

Slide 1: logo of ICC 2023 in Cape Town, South Africa

Slides 3, 8, 9: ICA News: 55/2010, 40/2003, 39/2002

Slides 4, 7, 11, 16-23: photo archive R.V. Thumbadoo

Slides 5, 10: web site of the ICA Commission on Cartography and Children

Slide 14: web site of NACCW

Slide 24: Newsletter 30, December 2023, ICA Commission on Cartography and Children

Slide 27: photo archive A. Wolodtschenko

Slide 29: photos of authors of this photoatlas

Selected web-addresses:

<https://gcr.ccarleton.ca/>

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

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Mazibuko, J., Ntintili, K. Taylor, D. R. Fraser, Thumbadoo, R. V. , Thumbadoo Z. S.,  
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