Integrating Knowledge and Understanding in Geography Education

CGE Lisbon Symposium
25 - 28 October 2017
Detailed Programme
Welcome Message

On behalf of the IGU – Comission on Geographical Education we are pleased to welcome you to participate in the CGE Lisbon Symposium 2017. The symposium is a joint organization of CEMRI (Centre of Studies on Migrations and Intercultural Relations, Portuguese Open University), IGOT (Institute of Geography and Spatial Planning of the University of Lisbon) and APG (Portuguese Association of Geographers).

The main theme of the symposium — Integrating Knowledge and Understanding in Geography Education — will be an opportunity to reflect upon the challenges that geography education faces in many parts of the world. Although in some countries geography remains as an independent curricular subject, in many others the study of geographical issues and problems has been integrated into the wider fields of social or environmental studies.

Curricular reforms are always an opportunity for scholars to engage in lively debates regarding the role and the importance of the traditional disciplines. A time, during which the contents and role of geographical knowledge are often questioned, misunderstood or narrowed. Therefore, it is important to give geography educators a chance to reflect on the conceptual, pedagogical and curricular challenges that school geography faces, in contexts in which alternative bodies of knowledge are freely produced and disseminated.

Among other topics, the symposium intends to discuss the role of geography in the curriculum, the relations between geography and the social and the natural sciences, the concepts that should frame school geography, or the meaning of geographical powerful knowledge. The symposium was designed to promote a reflexive debate around some of the following questions:

- How does school geography cope with the challenges of information society?
- What strategies have been adopted as regards the development of geography curriculum?
- What can be currently considered as meaningful and valid geographic knowledge?
- How does school geography address issues concerning the mobility of manpower or refugees?

With a total of 2 Keynotes, 56 paper presentations, 1 Special Panel and 5 Workshops, the symposium welcomes academics, graduate students and teachers from all over the world (Australia, Belgium, Brazil, Chile, China, Czechia, Germany, Hungary, India, Japan, Netherlands, Portugal, Singapore, South Africa, South Korea, United Kingdom and United States) who are willing to share their knowledge and expertise in the domains that frame and challenge modern geography education (the curriculum, the information society, the environment, the intercultural coexistence). But the symposium will also be an excellent occasion to rediscover the beauty and welcoming warmth of Lisbon, a city that is used to build bridges with the world, thus continuing the mission that our Portuguese ancestors began more than five hundred years ago.

Dr. Fernando M. S. Alexandre
The Organizing Committee of the CGE Lisbon Symposium 2017
Centre of Studies on Migrations and Intercultural Relations, Portuguese Open University
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(*) Please refer to the detailed programme for an accurate view of the symposium timetable and activities
**Wednesday, 25 October**

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| 09.30 – 10.30 | **KEYNOTE 1 (IGOT – Conference Room)**  
Knowledge, Curriculum and Education – Levels and Dilemmas of an Epistemological Issue  
**PROF. MARIA DO CÉU ROLDAO**  |
| 10.30 – 11.00 | **COFFEE BREAK**          |
| 11.00 – 12.30 | **CONCURRENT SESSION 1 (CS1)**  
CS1 – A (IGOT – Conference Room)  
Chairperson: **SARAH BEDNARZ**  
Geographical Knowledge Disparities – Regional variation in conceptions of school and academic geography and the influence on teachers and curriculum  
**CLARE BROOKS, ANDONI ARENAS, DAVID ÖRBRING, ELISABETH EINARSSON, FELISBELA MARTINS, M. OTERO-AURISTONDO, TRICIA SEOW, VICTOR SALINAS SILVA**  
Social representation of geography as important curricular factor: a case of Czechia  
**MIROSLAV MARADA, DANA REZNIČKOVÁ**  
Current Geography/Social Studies Education and Educational Policies Driven by Nature/Competency Focusing in Japan – Features of and Issues with the Fundamental Structure of the Next National Curriculum  
**TAKASHI SHIMURA**  
High School Geography Curriculum Reform in China  
**YUSHAN DUAN**  |
| 11.00 – 12.30 | **CONCURRENT SESSION 1 (CS1)**  
CS1 – B (IGOT – Seminar Room 1.1)  
Chairperson: **CHEW-HUNG CHANG**  
Young People’s Geographies: an opportunity to critically consider the relationship between “everyday” and “powerful” knowledge in Geography Education?  
**LAUREN HAMMOND**  
Teaching for actual and future life: an integrated subject approach  
**DANIELA SCHMEINCK**  
Fostering systems thinking in geography education: effects of an intervention study  
**MARJOLEIN COX, JAN ELEN, AN. STEEGEN**  
Towards a theoretical framework for geographic relational thinking  
**TIM FAVIER**  |
CS1 – C (ISCTE – Building II Room C205)
Chairperson: JongWon Lee

Application of 3D Printing Technology in Geography Education
Jiaqi Zhang

Study on the Implementation and Effectiveness of Geographic Information Systems Technology in Geographical Inquiry in Singapore Classrooms
Jiunn Huat Soo

School students' perceptions of the value and nature of GIS: informing curriculum development and pedagogical practice
Nicola Walshe

Empirical evidences of geography learning: the use of Digital Atlas for school education
Rafael M. Gonzalez

12.30 – 14.00 Lunch Break

14.00 – 15.30 Concurrent Session 2 (CS2)

CS2 – A (IGOT – Conference Room)
Chairperson: Simon Catling

Geographical dimension of teachers' professional development
Victor Salinas Silva

The importance of recognizing students’ habitus when making pre-service teacher education curriculum decisions
Dilawiot

Integrating personal and professional geographies: Some case studies from UK primary teachers
Emma Till

The Formation of the Geography Teacher for the Initial Years of Elementary Education
Helena Callai

CS2 – B (IGOT – Seminar Room 1.1)
Chairperson: Daniela Schmeinck

Fieldwork and the Centrality of Geographical Inquiry: renewing the heart of sustainability education
Niranjan Casinader, Gillian Kidman

The importance of school geography in the promotion of environmental education: an experience during the initial teacher training master in Geography
M. Helena Esteves, Diana Mateus

Climate Change Education for Environmental Citizenship: is Singapore up to Task?
Tiricia Seow

Can Augmented Reality (AR) support Assessment for Learning about Climate Change?
Chew-Hung Chang, Andi Wy
The causes of forest fires in Portugal and the role of prevention and education
MAFALDA LEITÃO, SUSANA MOÇO, MANUELA M. FERREIRA

CS2 – C (ISCTE – Building II Room C205)
Chairperson: FELISBELA MARTINS

Is Geography Education a Threat to Economic Development?
ANKE UHLENWINKEL

Establishing geographical relationships in small student groups by solving a mystery
JAN KARKDIJK

Transformative Research in Geography Education – The Role of a Research Coordination Network
MICHAEL SOLEM, RICHARD BOEHM

Map-based collaboration to improve Geography teaching: helping geographical education with Google My Maps at secondary-level teaching
JOSÉ REYES NUNEZ, JUDIT KISS

Factors affecting students’ map skills level
LENKA HAVELKOVÁ, MARTIN HANUS

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<td>Geography Education and XXI Century Skills: Challenges for Uncertain Times</td>
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<td>PROF. MANUELA MALHEIRO FERREIRA AND FERNANDO ALEXANDRE</td>
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<td>Knowledge, understanding and curriculum development in geography education: how should we make the connections?</td>
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<td>GRAHAM BUTT</td>
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A “New” (Re)Interpretation of the School Geography Curriculum in Portugal
FELISBELA MARTINS

Role of the geography education research for new national curriculum in Japan – for compulsory subject of geography in high school
YOSHIYASU IDA

Exploring Centrality and Marginality of Geography in Indian Schools
SARFARAZ ALAM

CS3 – B (IGOT – Seminar Room 1.1)
Chairperson: GILLIAN KIDMAN

The Development of Geography Digital Learning Resource in China
FENGTAO GUO, YUSHAN DUAN

Utilization of virtual reality for teaching 3D tasks in geography
RADIM STUCHLIK

Fostering significant and context-based learning through digital geogames: a theoretical referential
VÂNIA CARLOS, THOMAS BARTOSCHEK, SVEN CASTELEYN

Integrating Mobile Technology to Scaffold Inquiry-Based Fieldwork: the Roles of Inquiry Tasks and Mobile Technologies
JONGWON LEE

CS3 – C (ISCTE – Building II Room C205)
Workshop 1 – YCHANGE: Analyzing Environmental Change with Digital Satellite Images
Workshop Leader: KATHRIN VIEHRIG

11.00 – 11.30 COFFEE BREAK

11.30 – 13.00 CONCURRENT SESSION 4 (CS4)

CS4 – A (IGOT – Conference Room)
Chairperson: JOSEPH STOLTMAN

Trends in International Geography Assessment Study (TIGAS) – Special Panel
JOSEPH STOLTMAN, THERESA BOURKE, CHEW-HUNG CHANG, OKKYONG YOON, MIROSLAV MARADA, KATHRIN VIEHRIG, MICHAEL SOLEM

CS4 – B (IGOT – Seminar Room 1.1)
Workshop 2 – Geography Initial Teacher Training - different models, common concerns?
Workshop Leader: M. HELENA ESTEVES

CS4 – C (ISCTE – Building II Room C205)
Workshop 3 – Concept mapping in geography education
Workshop Leader: TIM FAUVER

13.00 – 14.30 LUNCH BREAK
14.30 – 16.00  CONCURRENT SESSION 5 (CS5)

CS5 – A (IGOT – Conference Room)

Chairperson: CLARE BROOKS

Students’ Experiences with Investigative Fieldwork Activity of Coastal Sand Dunes
JONGWON LEE, SUNMIN OH, SOJUNG HUH

Student Teachers’ Reflection on Sustainability: how to diagnose and foster student teachers’ reflective thinking on ESD in Higher Education
NINA BRENDEL, GABRIELE SCHRUEFER

Change and Influence in Geography Schoolbook Publishing – School Geography at One Publisher in the Last Quarter of the Twentieth Century
SIMON CATLING

Promoting geodiversity education by using EarthCaching in Geoparks as a part of environmental education
STEFANIE ZECHA

CS5 – B (IGOT – Seminar Room 1.1)

Chairperson: MANUELA MALHEIRO FERREIRA

How does geography support the claims it makes about the world? Developing well-evidenced arguments in geography
MARGARET ROBERTS

The Capability Approach and geography education: an opportunity to construct bridges between school geography and young people’s geographies
SIIRPA TANI, TINE BÉNEKER, GABRIEL BLADH

Tasks to Develop Intercultural Competences in Geography Lessons Taught in English (EFL)
MICHAEL MUELLER

Geography education for global understanding – a summary of ideas
SARAH BIDNARZ

CS5 – C (ISCTE – Building II Room C205)

TIGAS SOCIAL LAB

Trends in International Geography Assessment Study Workshop: Refining components of exemplary assessment instruments
JOSEPH STOLTMAN, THERESA BOURKE, CHEW-HUNG CHANG, KATHRIN VIEHRIG, MICHAEL SOLEM

Please note: Research data will be collected as a component of this workshop. Individual consent will be sought from all participants. Participation in the research is voluntary and you are free to withdraw from the study at any time

16.00 – 16.30  COFFEE BREAK
16.30 – 18.00  **CONCURRENT SESSION 6 (CS6)**

**CS6 – A (IGOT – Conference Room)**  
Chairperson: **YUSHAN DUAN**

Guiding the Teachers’ work in Geographical Inquiry: conceptualising the nexus between teachers’ geographical inquiry literacy and their locus of control  
**GILLIAN KIDMAN**

The Geographical Concepts in Research on Geography Education in Brazil  
**LANA CAVALCANTI, VANILTON DE SOUZA**

Subject Knowledge of Elementary Geography Education – based on the implication of School-College Partnership in South Korea  
**OKKYONG YOON**

How to foster geography teachers’ assessment literacy?  
**ERIK BIJSTERBOSCH**

**CS6 – B (IGOT – Seminar Room 1.1)**  
Chairperson: **M. HELENA ESTEVES**

Learning and Instruction: Tensions in the Teaching of School Geography in Chile  
**ANDONI ARENAS, FABIÁN ARAYA**

Geography, Transculturalism and Disciplinary Renewal: a new paradigm for cultural education in a globalised society  
**NIRANJAN CASINADER**

Migrants in Portugal: four case studies of the process of integration  
**MAFALDA LEITÃO, FERNANDO ALEXANDRE, MANUELA FERREIRA**

Combining is what makes knowledge powerful – the case of international migration  
**TINE BÉNEKER**

**CS6 – C (ISCTE – Building II Room C205)**

**Workshop 4 – Powerful Geography: a Capabilities Approach to Non-specialist Teacher Education**

Workshop Leaders: **MICHAEL SOLEM, RICHARD BOEHM**

18.15 – 19.00  **CGE Open Meeting (IGOT – Conference Room)**

**CLOSING SESSION**

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**Saturday, 28 October**

08.30 – 18.00  **FIELDTRIP 2**

*Western Coast of Lisbon, Cascais and Sintra*