

## Program for December 1st, 2018

09.00-09.20 Pre-conference coffee

09.20-09.30 Welcome

### HEALTH

09.30-10.15 **Keynote:** Lending context to data: The power of narratives in health research and practice  
– Prof. Annie Lu Nguyen, PhD, University of Southern California

10.15-10.45 Teaching small area estimation and choropleth mapping in graduate programs  
– Prof. Justin T. McDaniel, PhD, Southern Illinois University

10.45-11.15 Experiential learning through the lens of health literacy and social media in a higher education setting  
– Prof. Sandra D. Vamos, EdD, Western Michigan University

11.15-11.30 **Students Response & Discussion Audience**

11.30-12.00 **Break & Poster Exhibition**

### ENVIRONMENT

12.00-12.45 **Keynote:** The ethical significance of IPCC's serious understatement of the impacts of human-induced climate change  
– Prof. Donald A Brown, Widener University, Harrisburg, Pennsylvania

12.45-13.15 Waldsterben reloaded - trees and forests in a rapidly changing world  
– Dr. (habil) Henrik Hartmann, MPI for Biogeochemistry, Jena

13.15-13.45 Engaging learners through a curriculum of place: Integrating indigenous knowledge systems and STEM field studies  
– Prof. Kevin O'Connor, PhD, Mount Royal University, Calgary

13.45-14.00 **Students Response & Discussion Audience**

14.00-15.00 **Break & Poster Exhibition/Business meeting of conference organisers**

### EDUCATION

15.00-15.45 **Keynote:** Effects of the German Federal Environmental Competition (BUW) on students' socio-scientific decision-making  
– Carola Garrecht, PhD, Leibniz Institute for Science and Mathematics Education, Kiel

15.45-16.15 Changing perspectives and strengthening the environmental identity of primary school children through storytelling  
– Dr. Florian Rietz & Prof. Dr. Nicolas Robin, Pädagogische Hochschule St. Gallen

16.15-16.45 Green cheers you up - the school garden a place to feel good  
– Prof. Dr. Caroline Retzlaff-Fürst, Universität Rostock Zentrum für Lehrerbildung und Bildungsforschung (ZLB)

16.45-17.00 **Students Response & Discussion Audience**

## Program for December 2nd, 2018

09.00-09.30 Pre-conference coffee

### EDUCATION

09.30-10.15 **Keynote:** BigPicnic - A European project at the interface between environmental and health education  
– Prof. Dr. Suzanne Kapelari, Universität of Innsbruck

10.15-10.45 Do high school students think critically about health issues with high societal relevance?  
– Susanne Rafolt, University of Innsbruck

10.45-11.15 The importance of affect-laden constructs and beliefs for predicting teachers' intentions about teaching cancer education  
– Benedikt Heuckmann, University of Münster

11.15-11.30 **Students Response & Discussion Audience**

11.30-12.00 **Break & Poster Exhibition**

### ENVIRONMENT

12.00-12.45 **Keynote:** An assessment of the factors influencing environmental health in urban areas - case study for the city of Athens  
– Prof. Dr. Constantinos Cartalis, National and Kapodistrian University of Athens

12.45-13.15 The use of smartphone apps for environmental education and participation in university education and citizen science  
– Prof. Dr. Karl Schneider, University of Cologne

13.15-13.45 Surviving science in the post-factual world  
– Prof. John Stolz, PhD, Duquesne University

13.45-14.00 **Students Response & Discussion Audience**

14.00-15.00 **Break & Poster Exhibition/Business meeting of conference organisers**

### HEALTH

15.00-15.45 **Keynote:** Creating healthy communities through policy, environment, and social change  
– Prof. Jay E. Maddock, PhD, Texas A&M University

15.45-16.15 Physical activity and climate change: Clear and present danger?  
– Prof. Juliane Poock Wallace, PhD, Southern Illinois University

16.15-16.45 A portfolio of partnership to improve the health of the LGBT community: Lessons learned  
– Prof. David W. Seal, PhD, Tulane University, New Orleans

## Poster Presentations by:

### Invited research groups

Factors influencing the use of alternative medicine and evidence-based medicine (EBM) – Elvira Schmidt, Prof. Dr. Dittmar Graf – University of Gießen

School health education: from biomedical to socioecological approach – Prof. Graça Simões de Carvalho, PhD – University of Minho  
– Liziane Martins, PhD, Prof. Charbel El-Hani, PhD – Federal University of Bahia

Drought and public health: Bringing the science we know into practice – Prof. Dale O. Ritzel, PhD, Prof. Robert J. McDermott, PhD – Southern Illinois University Carbondale

Cancer career counseling - more education is needed to highlight environmental health career paths – Prof. Dhitnut Ratnapradipa, PhD, Yue Xie, PhD – Sam Houston State University Huntsville – Kendra Ratnapradipa, PhD – Ohio State University

Chemical experiments with „vegetable ivory“ – Prof. Dr. Martin Gröger, Christian Köhler, Dr. Volker Heck – University of Siegen

Novel food Guayusa tea: an alternative to energy drinks? – Jessica Ißleib, Prof. Dr. Martin Gröger, Dr. Volker Heck – University of Siegen

### Students of the International Master of Environmental Sciences - University of Cologne

Alexander Alfano, Ecem Cengiz, Clare Elliott, Matthew Graydon, Julia Horn, Arne Ilg, Marina Klimke, Ana Miola, Shreya Mundhra, Courtney Newman, Daniel Paez, Manuel Prieto, Silvia Proff, Gulnaz Sadykova, Philipp Schumacher, Xenia Sierova, Alexandra Wegge

### Students of the Biology Teacher Education Programme - University of Cologne

Berni Dück, Chantal Meiners, Jennifer Mengert, Emine Buket Morgün, Laura Müller, Johanna Oesterle, Yasemin Özden, Merve Öztekin, Pascal Oumata, Ronja Spittler, Michaela Waßmuth, Simon Frederik Markus Wittkämper, Gamze Tekeoglu, Rüya Altuntas

## Organizing Committee

Prof. Dr. Hans G. Edelmann – University of Cologne  
h.edelmann@uni-koeln.de

J-Prof. Dr. Jörg Grossschedl – University of Cologne  
j.grossschedl@uni-koeln.de

Prof. Dr. Kirk W. Junker – University of Cologne  
kirk.junker@uni-koeln.de

Prof. Robert J. McDermott, PhD – Southern Illinois University Carbondale  
robert.mcdermott@siu.edu

Dr. Meike Mohneke – University of Cologne  
m.mohneke@uni-koeln.de

Maria Peiou, MD – University of Cologne  
mariapeiou@gmail.com

Prof. Dr. Kirsten Schlüter – University of Cologne  
kirsten.schlueter@uni-koeln.de

Prof. Dr. Karl Schneider – University of Cologne  
karl.schneider@uni-koeln.de

Prof. John Stolz, PhD – Duquesne University  
stolz@duq.edu

**Further details and affiliations of the presenters and the research groups they are working with are outlined in the book of abstracts.**

## Conference Founders

Prof. Dr. Klaus Klein – University of Cologne  
klaus.klein@uni-koeln.de

Prof. Robert J. McDermott, PhD – Southern Illinois University Carbondale  
robert.mcdermott@siu.edu

Prof. Dale O. Ritzel, PhD – Southern Illinois University Carbondale  
dritzel@siu.edu

## Post-Conference Program

### Optional Bus Tour, December 3, 2018

Guided tour in English to the historic center of the City of Aachen, Cathedral and Cathedral Treasury. To inquire about space, contact Prof. Dr. Edelmann.

### Christmas Reception, December 3, 2018

On Monday evening, after the tour, Prof. Junker will host a Christmas reception at the offices of the IMES programme for conference participants, their guests and the master students.

- Because space is limited, all persons expecting to attend should register in advance (registration is free). Please send your intention to attend to Prof. Dr. Edelmann: h.edelmann@uni-koeln.de



### Venue

From the Central Station take the suburban railway (S-Bahn) 16 or 18 to Neumarkt (2nd stop). Then take the S-Bahn 1 or 7 and get off at Universitätsstraße (3rd stop).

University of Cologne, IBW-Building no. 211,  
Herbert-Lewin-Str. 2, 50931 Köln  
Room numbers (2nd floor) H 114 and S 103.

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**December 1–2nd, 2018**  
**Organized** by the Institute of Biology Education and  
the International Masters of Environmental Sciences Program  
University of Cologne

**Sponsored** by Cologne Environmental Society, e.V.,  
VBIO-NRW, and Prof. Dr. Klaus Klein

**Health, Environment, and Education:  
Bringing Science into Practice**

**12th Winter Meeting**  
The International Consortium  
for Interdisciplinary Education  
about Health and the Environment

