

3rd ESERA SIG4 Science|Environment|Health
2022 Mini Conference in Obergurgl, Austria
from Sunday, the 21st until Tuesday, the 23rd of August 2022

Programme

Sunday, 21 August 2022

before 16:00 Arrival at main station *Innsbruck Hauptbahnhof* in Innsbruck

16:00–17:30 Collective bus ride to Obergurgl University Center

18:30–19:00 Introduction and Conference Information (Suzanne Kapelari, Kerstin Kremer & Julia Arnold)

19:00 Welcome Dinner

20:00 Get together at the fireside

Monday, 22 August 2022

7:30–9:00 Breakfast

9:00 Social gathering

9:15–10:00 **KEY NOTE:** *Tackling with current societal challenges: a perspective about teaching/learning climate change for fostering future thinking, agency and change making* (Giulia Tasquier)

10:15–10:45 Coffee and tea break

10:45–12:15 **POSTER SESSION 1** (Discussant: Suzanne Kapelari & Susanne Rafolt)

How to bring Environmental Health into the classroom. An experience in a teacher training course (Nuria Álvaro)

The importance of self-efficacy for the successful transfer of S|E|H objectives from teacher education to classroom practice: Examining the carbon cycle self-efficacy among teacher students (Dunja Peduzzi)

Value-oriented tuition/Learning in vocational education (Christine Wogowitsch)

POSTER SESSION 2 (Discussant: Alla Keselman)

Using the One Health Approach for curricular innovation in Education for Sustainable Development (Sascha Johann)

Pre-Service Biology Teachers' Behavioral Beliefs Influencing the Use of Alternative Medicine and Evidence-based Medicine (Elvira Schmidt)

Potentials and limitations of inoculation theory for S|E|H issues (Thomas Schubatzky)

POSTER SESSION 3 (Discussant: Suzanne Kapelari)

Combining Nature of Science and Science Identity in Outreach for S|E|H pedagogy (Sophie Kurschildgen)

Communicating the Metaorganism–Co-Design for a university-led STEM outreach event (Christina Claussen)

POSTER SESSION 4 (Discussant: Shu-Nu Chang Rundgren)

Designing an interactive online application to teach lower-secondary-students (grade 8) about epilepsy (Martina Sommer)

Discourse-oriented framing creates a social and everyday life context for the topic of antibiotics (Hildrun Walter)

ChemoKnowings as part of S|E|H-Knowings in the Anthropocene (Merve Yavuzkaya)

12:30 Lunch break

14:00–16:00 Excursion to the peak of mountain *Hohe Mut* (2670 m) by cable car

16:30–17:00 Coffee and tea break

17:00–17:30 POSTER ROUND UP (Discussants: Shu-Nu Chang Rundgren, Suzanne Kapelari, Alla Kesselman & Lucas Weinberg)

17:30–18:30 ROUND TABLE: *Stereoscopic View and Co-Design in S|E|H-Pedagogy* (Kerstin Kremer, Julia Arnold & Albert Zeyer)

19:00 Dinner

20:00 Social gathering at the fireside

Tuesday, 23 August 2022

7:30–9:00 Breakfast

9:00 Social gathering

9:10–10:00 ROUND TABLE SESSION 1

Inspirations for ESERA SIG4: Planetary Health, One Health, SDGs and the 2030 Agenda as part of the foundations of the S|E|H framework? (Benedikt Heuckmann, Albert Zeyer, Olga Mayoral & Nuria Alvaro)

Digital Media and Competency Development for S|E|H: Defining, Developing and Researching 21st Century Skills (Alexander Büssing)

10:00–10:30 Sharing results and ideas between all participants

10:30–11:00 Coffee and tea break

11:00–11:50 ROUND TABLE SESSION 2

Critical Thinking, politics and political participation in S|E|H—To describe and/or prescribe as a teacher? (Claes Malmberg, Susanne Rafolt & Anders Urbas)

The role of S|E|H-issues in Bildung—educational implications (Jesper Sjöström & Merve Yavuzkaya)

11:50–12:20 Sharing results and ideas between all participants

12:30 Lunch break

14:00–14:30 ROUND UP

14:30–15:00 Outlook and Farewell (Kerstin Kremer, Julia Arnold & Suzanne Kapelari)

15:30–17:00 Collective bus ride to Innsbruck main station

3rd ESERA SIG4 Science|Environment|Health
2022 Mini Conference in Obergurgl, Austria
from Sunday, the 21st until Tuesday, the 23rd of August 2022

Participants

Álvaro, Nuria	Universitat de València	Spain
Arnold, Julia	FHNW School of Education	Switzerland
Büssing, Alexander	Leibniz University Hannover	Germany
Chang Rundgren, Shu-Nu	Stockholm University	Sweden
Claussen, Christina	Leibniz Institute for Science and Mathematics Education	Germany
Heuckmann, Benedikt	University of Münster	Germany
Johann, Sascha	Justus-Liebig-University Giessen	Germany
Kapelari, Suzanne	University of Innsbruck	Austria
Keselman, Alla	US National Library of Medicine	USA
Kremer, Kerstin	Justus-Liebig-University Giessen	Germany
Kurschildgen, Sophie	Justus-Liebig-University Giessen	Germany
Malmberg, Claes	Halmstad University	Sweden
Mayoral, Olga	Universitat de València	Spain
Peduzzi, Dunja	University of Innsbruck	Austria
Rafolt, Susanne	University of Innsbruck	Austria
Schmidt, Elvira	Justus-Liebig- University Giessen	Germany
Schubatzky, Thomas	University of Innsbruck	Austria
Sjöström, Jesper	Malmö University	Sweden
Sommer, Martina	University of Graz	Austria
Tasquier, Giulia	University of Bologna	Italy
Urbas, Anders	Halmstad University	Sweden
Walter, Hildrun	University of Graz	Austria
Weinberg, Lucas	University of Innsbruck	Austria
Wogowitsch, Christine	University of Innsbruck	Austria
Yavuzkaya, Merve	Malmö University	Sweden
Zeyer, Albert	University of Teacher Education Lucerne	Switzerland