



*International Conference*  
**»Outdoor Learning Didactics: ICT and Outdoor Learning«**

## CONFERENCE PROGRAMME

**Dates:** 29<sup>th</sup> June – 1<sup>st</sup> July 2021

**Location:** CŠOD Bohinj, Ribčev Laz 63, 4265 Bohinjsko Jezero, Slovenia  
and online participation for participants from other countries

**Themes:** ICT for improving motivation for outdoor learning  
ICT for better understanding of natural processes in outdoor learning  
ICT for improving social competences developed through outdoor learning  
influence of ICT on outdoor learning processes

**Language:** English and Slovenian with English translation

### Tuesday, 29th June 2021

8.00 – 9.00 Registration of Participants

**9.00 – 9.15** **Conference Opening and Welcome Addresses**  
Branko Kumer, Director, Centre for School and Outdoor Education (CŠOD)  
Damir Orehovec, State Secretary, Ministry of Education, Science and Sport

**9.15 – 10.00** Keynote Lecture  
**»Running Away or Embracing ICT in Outdoor Education?«**  
Dr. Gregor Torkar, University of Ljubljana, Faculty of Education, Slovenia

10.00 – 11.00 **Presentations of Good Practices**

**10:00** **»I Can Do It Too«**  
Marija Marenk, OŠ Jela Janežiča Škofja Loka, Slovenia

**10:30** **»A Comic with Natural Materials«**  
Nataša Planinc, Centre for School and Outdoor Education, Slovenia

11.00 – 11.30 Break

The Conference is partly included in the project »Krepitev kompetenc strokovnih delavcev na področju vodenja inovativnega vzgojno-izobraževalnega zavoda v obdobju od 2018 do 2022«.

The project is co-financed by the Republic of Slovenia and the European Union through the European Social Fund.



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- 11.30 – 12.00 **CANCELLED** - **»ESA, Space Technology and Outdoor Learning«**  
Monica Talevi, European Space Agency (ESA), European Space Research & Technology Centre
- 12.00 – 13.00 **Presentations of Good Practices**
- 12:00** **»The GLOBE Program and Outdoor Learning«**  
Bára Semeráková & Dana Votápková, GLOBE Program Regional Coordination Office for Europe and Eurasia, Czech Republic
- 12:00** **»Pedagogical Approaches in Teaching Science«**  
Davorin Horvat, OŠ Videm, Slovenia
- 12:30** **»ICT and Outdoor Learning: The Young Innovators Programme in the University of Valencia«**  
Kathy Jowitt, EIT Climate-KIC, United Kingdom  
Olga Mayoral García-Berlanga, University of Valencia, Spain
- 12:30** **»Experiencing Nature through Photo Story«**  
Teja Gosenar, Centre for School and Outdoor Education, Slovenia
- 13.00 – 14.00 Lunch
- 14.00 – 15.30** **»Pro et Contra: ICT and Outdoor Learning« - Panel Discussion**  
**Panelists:**  
Dr. Peter Becker, bsj Marburg, Germany  
Dr. Roman Globokar, University of Ljubljana, Faculty of Theology, Slovenia  
Celia Marín, EIT Climate-KIC Young Innovators Programme, Spain  
Rok Pandel, Scout Association of Slovenia, Slovenia  
Dr. Gregor Torkar, University of Ljubljana, Faculty of Education, Slovenia  
**Moderator:**  
Irena Kokalj, Centre for School and Outdoor Education, Slovenia
- 15.30 – 16.00 Break
- 16.00 – 18.00 **Presentations of Good Practices**
- 16:00** **»Exploring Plants in Home Environment with the Help of Pl@ntNet and Padlet Apps«**  
Manja Podgoršek Mesarec, OŠ Blaža Kocena Ponikva and OŠ Hruševac Šentjur, Slovenia
- 16:00** **»Treasure Hunt in the School's Vicinity Using UniteAR and ThingLink Apps«**  
Katja Zatler, OŠ Blaža Kocena Ponikva, Slovenia
- 16:30** **»Searching for Symmetry in Third Grade in Nature, with Information Communication Technology (ICT)«**  
Ina Abram, OŠ Leskovec pri Krškem, Slovenia
- 16:30** **»I Jump, Run, Move Around and Enjoy the Games with Friends from Abroad!«**



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Vesna Boštjančič, OŠ Dragotina Ketteja Ilirska Bistrica, Slovenia

**17:00 »The Cvinger Learning Trail«**

Urška Bučar, OŠ Dolenjske Toplice, Slovenia

**17:00 »Sports Learning Path, Topliček Exercises«**

Gašper Štih, OŠ Dolenjske Toplice, Slovenia

**17:30 »Orienteering with/without COVID 19«**

Sabina Stopar, Centre for School and Outdoor Education, Slovenia

**17:30 »Actionbound Application as a Motivational Tool for Outdoor Learning«**

Nastja Škrabl, OŠ Hruševac Šentjur, Slovenia

18.30 – 19.30 Dinner

20.00 – Informal Networking, Outdoor Social Games

**Wednesday, 30th June 2021**

**8.30 – 8.45 Second Day Opening and Welcome Addresses**

Jože Sodja, Mayor, Bohinj Municipality

**8.45 – 9.30 Keynote Lecture**

**»The Invisible Part of ICT in Outdoor Learning«**

Dr. Krištof Oštir, University of Ljubljana, Faculty of Civil and Geodetic Engineering, Slovenia

**9.30 – 11.00 Presentations of Good Practices**

**9:30 »QR Code Scavenger Hunt«**

Sanja Đuričković, Serbia

**9:30 »Time-Lapse Photography and Learning Science Concepts in 1st Triad«**

Mateja Čadež, OŠ Antona Martina Slomška Vrhnika, Slovenia

**10:00 »Stepping Away from the Classroom - Using PBL and Space as a Catalyst for Creative Thinking«**

Dana Cwaigrach, The Ramon Foundation, Israel

**10:00 »What Tree is This?«**

Marjeta Federl, OŠ Antona Janše Radovljica, Slovenia

**10:30 »With a Drone to Increase Motivation to Learn about the Growth Process of the Tree«**

Matej Hočevar, Šolski center Novo mesto, srednja gradbena, lesarska in vzgojiteljska šola, Slovenia

11.00 – 11.30 Break

**11.30 – 13.00 »New and Future Technologies and Their Possible Impact on Outdoor Learning« - Panel Discussion**



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**Panelists:**

Tomás Aylward, Institute of Technology Tralee, Ireland

Dr. Krištof Oštir, University of Ljubljana, Faculty of Civil and Geodetic Engineering, Slovenia

Kristen Weaver, NASA Goddard Space Flight Center, U.S.A.

**Moderator:**

Zoran Petrov, Centre for School and Outdoor Education, Slovenia

13.00 – 14.00 Lunch

14.00 – 15.30 **Presentations of Good Practices**

**14:00** »Butterflies in the Backyard and Digital«

Andreja Sedlar, Kindergarten Varaždin, Croatia

**14:00** »Consolidation of Knowledge of Outdoor Mathematics with the Help of an Online Classroom«

Vanja Makarič, Zavod za gluhe in naglušne Ljubljana, Slovenia

**14:30** »Robotization of Natural Processes – When Nature Enters the Classroom«

Jasna Lapornik, OŠ Primoža Trubarja Laško, Slovenia

**14:30** »Motivating Students with Modern Approaches«

Vesna Obrez, OŠ Primoža Trubarja Laško, Slovenia

**15:00** »Green Roof Visiting Computing Class in Primary School«

Martina Kern, OŠ Staneta Žagarja Kranj, Slovenia

**15:00** »Using ICT + Physical Activities = Motivational, Productive and Fast Mathematical Learning«

Tjaša Rajšp, Šolski center Slovenske Konjice – Zreče, Slovenia

15.30 – 16.00 Break

16.00 – 18.00 **Presentations of Good Practices**

**16:00** »GLOBE Observer Mobile App (Clouds)«

Kristen Weaver, NASA Goddard Space Flight Center, U.S.A.

**16:00** »How to Handle Waste«

Jasmina Klakočar, OŠ Leskovec pri Krškem, Slovenia

**16:30** »GLOBE Observer Mobile App (Trees)«

Brian Campbell, NASA Wallops Flight Facility, U.S.A.

**16:30** »Preparation for National Tests with the Help of QR Codes, Microsoft Teams and Sport«

Mirjana Meško, OŠ Ormož, Slovenia

**17:00** »GrowApp and the GLOBE Program Phenology Campaign«

Lenka Kleger, GLOBE Program Regional Coordination Office for Europe and Eurasia, Czech Republic

**17:00** »Formative Monitoring with Computer Tablets and Phones«

Nataša Planko, OŠ 27. julij Kamnik, Slovenia



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**17:30 »ICT Supported Observation of the Night Sky«**

Gregor Nemeč, OŠ Puconci, Slovenia

18.30 – 19.30 Dinner

20.00 – Informal Networking, Campfire

**Thursday, 1st July 2021**

**8.30 – 8.45** Third Day Opening

**8.45 – 9.00** **Video Address on First Day of Slovenian Presidency of the Council of the EU**

Dr. Simona Kustec, Minister of Education, Science and Sport

**9.00 – 10.00** Keynote Lecture

**»Blended learning: increasing the inclusiveness and flexibility of school education - improving the broad competence development of all learners«**

Michael Teutsch, European Commission, DG EAC, Head of Schools and Multilingualism Unit

**10.00 – 10.30** **»The Role of European Networking in the Field of Outdoor Learning«**

Dr. Chris Loynes, European Outdoor Education Network (EOE)

**10.30 – 11.00** **»Merging of eTwinning and School Education Gateway Platforms«**

Dr. Markus Rester, European Commission, DG EAC, Schools and Multilingualism Unit

**11.00 – 11.30** **»SELFIE for Teachers«**

Deirdre Hodson, European Commission, DG EAC, Schools and Multilingualism Unit

11.30 – 12.00 Break

12.00 – 13.00 **Presentations of Good Practices**

**12:00** **»TURNTABLE: an ICT Solution Involving Older Adults in Recreational Activities of Social Agriculture and Gardening«**

Daniela Loi & Marco Sarigu, University of Cagliari, Italy

**12:00** **»How Many Steps to Become an Independent Entrepreneur?«**

Klavdija Živko Pal, Prometna šola Maribor, Srednja prometna šola, Slovenia

**12:30** **»Teaching about Geology Using Information and Communications Technology – BetterGeoHUNT in Classroom and in Nature«**

Rok Brajkovič, Department of Regional Geology, Geological Survey of Slovenia

13.00 – 14.00 Lunch



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14.00 – 15.30 **Presentations of Good Practices**

**14:00 »Application Strava and Online Schooling«**

Igor Gobec, Šolski center Celje, Srednja šola za kemijo, elektrotehniko in računalništvo, Slovenia

**14:00 »Little Detectives – Treasure Hunt in English Lessons«**

Ana Rejec, OŠ Franceta Bevka Tolmin, Slovenia

**14:30 »I Know What I Use a Camera for!«**

Ina Rožman, POŠ Veliki Podlog, Slovenia

**14:30 »The Use of Tablet Computer in Outdoor Music Lesson«**

Tamara Vardič, OŠ Leskovec pri Krškem, Slovenia

**15:00 »Implementation of a Sports Day with the Micro:bit«**

Tajda Štrukelj, OŠ Šentvid, Slovenia

**15:00 »ICT to Improve Competences, Developed through Online and Outdoor Learning«**

Helena Šlebir Lekan, OŠ 27. julij Kamnik, Slovenia

15.30 – 16.00 Break

**16.00 – 17.00 Conference Conclusions**

Report on Evaluation Activities

Report on Conference Reach

Report on Results of Conference Challenges

17.00 Departure