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EVROPSKA UNIJA
EVROPSKI SOCIALNI SKLAD
NALOŽBA V VAŠO PRIHODNOST

REPUBLIKA SLOVENIJA
MINISTRSTVO ZA IZOBRAŽEVANJE, ZNANOST IN ŠPORT



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

CONFERENCE PROGRAMME

Dates: 29th June – 1st 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.

11.30 – 12.00 **<u>CANCELLED</u> - »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 Valenica, 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 Hruševec 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!«**

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 Hruševec 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**

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 Klakočer, 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

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

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