

# International Conference The Future of Education



# CONFERENCE PROGRAMME 1 – 2 July 2021







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#### Thursday 1 July

#### Friday 2 July

Synchronous Presentations	,
First Morning Sessions: 9:30 -	11:10

Language Teaching and Learning

Gamification in Education

Synchronous Presentations First Morning Session: 9:00 - 11:00

Education and Social Change

**Multiplier Event** 

Morning Break

Morning Break

Synchronous Presentations
Second Morning Sessions: 11:40 – 13:00

**Adult Education** 

Education and Social Inclusion

Synchronous Presentations
Second Morning Session: 11:30 – 13:30

Learning Methodologies

Multiplier Event

Half-Day Break

Half-Day Break

Synchronous Presentations First Afternoon Sessions: 14:30 – 16:10

Enhancing Student Engagement Curriculum Development Synchronous Presentations First Afternoon Sessions: 14:30 – 16:10

Curriculum Development Education and Mathematical Sciences

Afternoon Break

Afternoon Break

Synchronous Presentations
Second Afternoon Sessions: 16:40 – 18:40

Education and Social Change

Multiplier Event

Synchronous Presentations Second Afternoon Sessions: 16:40 – 18:40

Teacher Professional Development

Student Assessment





#### The Future of Education

### Thursday 1 July 2021

Introductory Speech and Practicalities: 9:00 - 9:10

#### Opening Speech: 9:10 - 9:25

Major Steps in Education: The Past, the Present and the Future Dönercan Dönük, Mersin University (Turkey)

Synchronous Presentations - First Morning Sessions: 9:30 - 11:10		
	Language Teaching and Learning Moderator: Dönercan Dönük, Mersin University (Turkey)	Gamification in Education Moderator: Julia Huisman, NHLStenden University of Applied Sciences (The Netherlands)
9:30 - 9:50	The Adoption of Intelligent and Virtual Teams in Online Enterpreneurship Education Courses Dirk Ifenthaler, University of Mannheim (Germany)	Gamifying Language Learning: How Gamification Can Support Learning in the Language Classroom Deborah Koeltzsch - Sandra Stadler-Heer, Catholic University Eichstätt-Ingolstadt (Germany)
9:50 – 10:10	Using Task-Based <i>e-tivities</i> to Maximize Online English Language Learning during the Covid-19 School Closure: An Action Research Study <i>Francesca Ripamonti, University of Milan -</i> <i>Liceo Scientifico "G. Gandini" (Italy)</i>	Fostering Critical Thinking by a Gamification Approach  Christian Dictus, Humboldt-Universität zu Berlin (Germany)
10:10 - 10:30	Identifying Learning Strategies and Needs of the Students in their L2 Acquisition at the University of West Bohemia: A Case Study Olesya Petrenko - Arniel Habac - Tereza Havránková, University of West Bohemia (Czech Republic)	Online Escape Room Instead of Geology Excursion for University Students Irena Chlebounová, Charles University (Czech Republic)
10:30 - 10:50	Personalising Language Learning through Technology Stefania Ronci, University for Foreigners of Perugia (Italy)	Miniature Urban Farming Plant: A Complex Educational "Toy" for Engineering Students  Lina Schulze-Buxloh,  FH Aachen University of Applied Sciences (Germany)
10:50 – 11:10	A Case-Study on the Relevance of the Linguistic Choices in ESP Teaching Octavia Raluca Zglobiu, Babeș-Bolyai University (Romania)	Using NeoTrie VR for STEM Education in Virtual Reality José L. Rodríguez, University of Almería (Spain)

Morning Break: 11:10 - 11:40

Synchronous Presentations - Second Morning Sessions: 11:40 - 13:00		
	Adult Education  Moderator: Joseph Vancell, University of Malta (Malta)	Education and Social Inclusion Moderator: Maria Markova, University of National and World Economy (Bulgaria)
11:40 - 12:00	A World of Pedagogic Principles: The Idea of Principles in Academic Pedagogy Antonios E. Platsas, University of Brighton (United Kingdom)	It's your Choice, Don't you Know? - Social and Educational Factors Influencing Professional Orientation as Paths to Future Social Exclusion or Inclusion for Young People Astrid Loff, Ludwigsburg University of Education (Germany)
12:00 - 12:20	MASTER: Empowering Low-Skilled Adults through the Self-Assessment of Personal, Social and Learning to Learn Competence  Chiara Marchetta, FORMA.Azione (Italy)	Distance Format in Higher Education for Disabled Students under the Circumstances of the Pandemic: A Move forward or a Step back?  Ekaterina Zemlina, Southern Federal University (Russian Federation)
12:20 - 12:40	The Future of Education is Ethical. The Role of Ethics Communication in ESP Courses Roxana-Maria Nistor Gâz, Babeș-Bolyai University (Romania)	Social Art for Social Inclusion under Special Conditions: Modification and Impact of a Theatre Approach for Promoting Employability, Entrepreneurship and Language Learning during the Pandemic Christine Best, TU Dortmund University (Germany)
12:40 - 13:00	Principles of Harmonized Training of Specialists in the Automotive Industry of the Russian Federation and Finland Natalia Trifonova, Saint-Petersburg Electrotechnical University (Russian Federation)	A Model of Inclusive Chemistry Teaching - Three Steps towards Inclusive Education Joachim Kranz, Humboldt-Universität zu Berlin (Germany)



#### The Future of Education



Synchronous Presentations - First Afternoon Sessions: 14:30 - 16:10		
	Enhancing Student Engagement Moderator: Deb L. Marciano, Valdosta State University (United States)	Curriculum Development Moderator: Flavia Iuspa, Florida International University (United States)
14:30 – 14:50	How Can we Turn the Interest of Young Generations to Study Geoscience Related Disciplines? The ENGIE Project's Review of Best Practices for Teaching STEM and its Feedback on the Project's Strategy Silvia Giuliani, ISMAR-CNR Bologna (Italy)	European Funding Opportunities in the Field of Education  Elisabetta Delle Donne, Pixel (Italy)
14:50 – 15:10	Enhancing Student Engagement in High School by Designing Research in Higher Energy Physics Mile Dželalija, University of Split (Croatia)	Contours of Science-Art Education: Pedagogical Principles of Art in Science Teaching - Lessons from the Global Science Opera Giedre Straksiene, Western Norway University of Applied Sciences (Norway)
15:10 – 15:30	How a Learning Community Model Can Improve Student Collaboration, Understanding of the Nature of Science, and Student STEM Identity Development in a High-School Biology Class  Elena Boldyreva, University of Toronto (Canada)	Teaching K-Culture: The Traditional in the Modern in K-Pop Music Videos Yunsuk Chae, Middle Georgia State University (United States)
15:30 – 15:50	Student Engagement in Hybrid Taught Large Introduction Courses during COVID-19 Kamilla Klonowska - Indira Kjellstrand - Lisa Källström, Kristianstad University (Sweden)	Curriculum Evaluation of Jazz Studies Program, Faculty of Music, Silpakorn University, Thailand Kittitach Sumpowthong, Silpakorn University (Thailand)
15:50 – 16:10	HackforInclusion: An Online Civic Hackathon to Foster Students Protagonism and Improve Media and Information Literacy Competences Chiara Palazzetti, FORMA.Azione (Italy)	Listening and Learning About Civic Education From the Community  Gabrielle Lamplugh, The David Matthews Center for Civic Life (United States)

Afternoon Break: 16:10 – 16:40		
Synchronous Presentations - First Afternoon Sessions: 16:40 - 18:40		
	Education and Social Change Moderator: Hardin L.K. Coleman, Boston University - Wheelock College of Education and Human Development (United States)	Multiplier Event: VR@School: Future Schools Using the Power of Virtual and Augmented Reality for Education and Training in the Classroom
16:40 - 17:00	Circumstantial Creativity: A Pandemic Paradigm Shift?  Deb L. Marciano, Valdosta State University (United States)	PROSCUELLA
17:00 - 17:20	Enhancing Global Learning through Online Education Abroad Experiences  Daniela Fenu Foerch - Flavia Iuspa, Florida International University (United States)	The Multiplier event is organized in the framework of the VR@School European project (2018-1-R001-KA201-049411). During the Multiplier Event, the main results
17:20 - 17:40	Changes via Two Pandemics: One Change is Being Imposed by a Virus and another Change Should be Achieved by Self Solmaz Khodaeifaal, Simon Fraser University (Canada)	produced in the framework of the VR@School project - available at <a href="https://www.vr-school.eu/">https://www.vr-school.eu/</a> - will be presented in detail.
17:40 – 18:00	Pedagogical Invention and the Great "Remote" Experiment: Lessons in Engagement and Directions for Change Martin Laba, Simon Fraser University (Canada)	<ul> <li>An Overview on the VR@School Project: Objectives and Aims</li> <li>Teach@School Online Library - Educational Technology and Open Education Resources</li> </ul>
18:00 - 18:20	"Social Sciences and the Education of the Social Justice Movement" Agnes Vashegyi MacDonald, Simon Fraser University (Canada)	Teachers Guide on Virtual Reality in school education     VR Educational Resources for science and transdisciplinary school disciplines
18:20 – 18:40	Conceptual and Educational Foundations of an Integrated Virtual Contemplation Steven Zhao, Simon Fraser University (Canada)	Presenter: Antonio Giordano, Pixel (Italy)



## The Future of Education



Synchronous Presentations - First Morning Session: 9:00 - 11:00		
	Education and Social Change Moderator: Vida Drąsutė, Kaunas University of Technology (Lithuania)	Multiplier Event: "Connecting Erasmus+ Mobility Participants in Open Language Learning Environments that Promote Linguistic and Cultural Awareness"
9:00 - 9:20	Teaching Experience: Inequalities in the Access to Medication to Fight against Covid-19  Cristina Vilaplana-Prieto, University of Murcia (Spain)	<b>OpenLang</b> Network
9:20 - 9:40	Heritage Education as a Strategy for Curricular Innovation and for the 21st Century Competencies  Cristina Da Milano, ECCOM - European Centre for Cultural Organization and Management (Italy)	The Multiplier event is organized in the framework of the OPENLang Network European project (2018-EL01-
9:40 – 10:00	Design Education between Past and Future - Pedagogical Actions towards Heritage Preservation Jorge Brandão Pereira, Polytechnic Institute of Cávado and AvenID+ Research Institute for Design, Media and Culture (Portugal)	KA203-047967).  9:00 - 9:15  Welcome of participants
10:00 - 10:20	Intellectual Property Rights in Digitally Based Education  Maria Markova, University of National and World Economy (Bulgaria)	9:15 – 10:00  Tandem Language exchange  Dr. Laia Canals, UOC (Spain)
10:20 - 10:40	Turkey's Education System from the 1940's to 2020's  Ada Cavus, FMV Isik High School (Turkey)	10:00 – 11:00 Introduction of partners and brief description of the
10:40 - 11:00	New Zealand's Education through the Lens of Māori Values and Culture  Olga Elli, Education New Zealand	project  OPENLang Network' project partners

Morning Break: 11:00 - 11:30

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Synchronous Presentations - Second Morning Session: 11:30 - 13:30		
	Learning Methodologies Moderator: Ann Marcus-Quinn, University of Limerick (Ireland)	Multiplier Event: "Connecting Erasmus+ Mobility Participants in Open Language Learning Environments that Promote Linguistic and Cultural Awareness"
11:30 - 11:50	A Personal Storytelling Course to Promote English-medium University Success Christine Burns, The Hong Kong Polytechnic University (Hong Kong)	<b>OpenLang</b> Network
11:50 - 12:10	Non-Formal Education Outside Buildings: The Case of Off- Shore Chemistry Sérgio P. J. Rodrigues, University of Coimbra (Portugal)	The Multiplier event is organized in the framework of the OPENLang Network European project (2018-EL01-
12:10 - 12:30	Learning Circular Economy by Hands-on Experiments: A Case-Study on Phosphorus Recovering from Wastewater at School Ornella Francioso, University of Bologna (Italy)	KA203-047967).  11:30 - 12:15  OER, Open Education
12:30 - 12:50	Effects of Student-Based Approaches in Grade 10 Chemistry Education during the Covid-19 Pandemic Senem Dila Yilmaz, FMV Isik High School (Turkey)	Prof. Carmen Holotescu, "Ioan Slavici" University of Timisoara (Romania)
12:50 – 13:10	Experiential Learning: Connecting Theory and Practice  Clara Vaz, Research Centre in Digitalization and Intelligent  Robotics (CeDRI), Instituto Politécnico de Bragança  (Portugal)	12:15 – 13:15  Presentation of the OPENLang Network' Intellectual Outputs  OPENLang Network' project partners
13:10 - 13:30	An Evaluation of the Impact of Project-Based Learning on Student Engagement in the Six Sigma Green Belt Quality Module at Galway-Mayo Institute of Technology Aurora Dimache, Galway-Mayo Institute of Technology (Ireland)	13:15 – 13:30 Summary and Closing Remarks



#### The Future of Education



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	Synchronous Presentations - First Aftern	oon Sessions: 14:30 – 16:10
	Curriculum Development Moderator: Dirk Ifenthaler, University of Mannheim (Germany)	Education and Mathematical Sciences  Moderator: Aurora Dimache, Galway-Mayo Institute of Technology (Ireland)
14:30 – 14:50	Scaffolding International Interdisciplinary Innovation Challenges in Higher Education  Patricia Arnold, Hochschule München University of Applied Sciences (Germany)	A Study on Flipped Classroom based on Donald and Maki's Approach for Developing Mathematical Connection in Exponential and Logarithmic Functions to Real-Life Situation for Grade 10 Students Supida Sengsamak, King Mongkut's University of Technology Thonburi (Thailand)
14:50 - 15:10	A Study on the Mathematical Anxiety that Affects Mathematical Reasoning Ability on Prior Knowledge of Triangles for Learning Geometric Congruence Grade 8 Students Nutchapol Jeerawattana, King Mongkut's University of Technology Thonburi (Thailand)	The Development of an Inquiry-Based Laboratory Activity to Promote High School Students' Conceptual Understanding of Stoichiometry  Duanghathai Kunwatthnaphan, King Mongkut's University of Technology Thonburi (Thailand)
15:10 – 15:30	Education for the Remote Work Methods of the Future in Software Development Daniel Einarson - Kamilla Klonowska, Kristianstad University (Sweden)	The Development of a STEAM-Based Learning Unit to Promo High School Students' Understanding of Ceramic Concept Wachirawit Ritmuan, King Mongkut's University of Technology Thonburi (Thailand)
15:30 – 15:50	Education for Sustainable Development in the Romanian Geographical School Education Mona-Lissa Chiriac, Alexandru I. Cuza University of Iași (Romania)	E-learning and Face-to-Face Classes: A Mixed Approach for Engineering Education on Electromagnetic Compatibility  Maria De Lauretis, Luleå University of Technology (Sweden)
15:50 – 16:10	Matching Learners with Materials and Learning Experiences  Dagobert Soergel, University of Buffalo (United States)	Inclusive Literacy of University Lecturers as the Condition for Formation of Readiness of Students with Disabilities for Designing an Individual Trajectory of a Professional Development  Aina Rakhmatulina, South Federal University - Kostanay Regional University (Kazakhstan)
	Afternoon Break: 16:10 -	16:40
	Synchronous Presentations - Second After	noon Sessions: 16:40 – 18:40
	Teacher Professional Development  Moderator: Martin Laba, Simon Fraser University (Canada)	Student Assessment  Moderator: Patricia Arnold, Hochschule München University of Applied Sciences (Germany)
16:40 – 17:00	The Covid-19 Pandemic and its Effects on the Preservice Teacher Practicum: A Literature Review Joseph Vancell, University of Malta (Malta)	Learning Context in Portugal during Covid-19 Pandemic - An Exploratory Study Luís Santos, Instituto de Avaliação Educativa, I.P. (Portugal)
	A Futuristic Research on the Teacher Cognition in Language	Perception of Freedom in the Educational Context, Listening

Synchronous Presentations - Second Afternoon Sessions: 16:40 – 18:40		
	Teacher Professional Development Moderator: Martin Laba, Simon Fraser University (Canada)	Student Assessment Moderator: Patricia Arnold, Hochschule München University of Applied Sciences (Germany)
16:40 – 17:00	The Covid-19 Pandemic and its Effects on the Preservice Teacher Practicum: A Literature Review Joseph Vancell, University of Malta (Malta)	Learning Context in Portugal during Covid-19 Pandemic - An Exploratory Study Luís Santos, Instituto de Avaliação Educativa, I.P. (Portugal)
17:00 – 17:20	A Futuristic Research on the Teacher Cognition in Language Testing <i>Dönercan Dönük, Mersin University (Turkey)</i>	Perception of Freedom in the Educational Context. Listening to Parents' Voices Outside the Classroom  Antoine Azzopardi, St Michael School (Malta)
17:20 – 17:40	Peer Coaching: Reflective Professional Development for Educators  Deborah Scigliano, Duquesne University (United States)	Gender Differences in Portugal through the Eyes of International Studies Anabela Serrão, Instituto de Avaliação Educativa, I.P. (Portugal)
17:40 – 18:00	Interruption, Suspension, and Sustaining: Catalyst for Change in Future Education After Covid-19  Ilana Shapira, Simon Fraser University (Canada)	The Impact of Grade Repetition in Student Performance in Reading Literacy Anabela Serrão, Instituto de Avaliação Educativa, I.P. (Portugal)
18:00 - 18:20	Impact of Technology vs Traditional Teaching Methods for Math Instruction in an Elementary Setting Cynthia F. DiCarlo, Louisiana State University (United States) Aaron R. Deris, Minnesota State University (United States)	Open Educational Resources; The Need for Formal Inclusion in Compulsory Education Ann Marcus-Quinn, University of Limerick (Ireland)
18:20 – 18:40	Networked Improvement Community for Equity  Hardin L.K. Coleman, Boston University - Wheelock College of  Education and Human Development (United States)	

#### Closing Speech: 18:45 - 19:00

The Time is Now: Puzzling out the Future of Education Deb L. Marciano, Valdosta State University (United States)

#### Virtual Presentations

(Available on the Conference Website)

"Keeping your Head down": Dyslectic Students' Coping Strategies in Secondary School Kitt Margaret Lyngsnes, Nord University (Norway)

A Critical Evaluation of Generating Digital Entrepreneurship in Innovation Clusters of Franconia: An Embedded Case Study Annette E. Craven, University of the Incarnate Word (United States)

A Formation of IT and Digital Competence in High School: A Contemporary State and Prospects Ekaterina Budnik, Moscow State Linguistic University (Russian Federation)

A Situated Model Building Approach (SIMBA) for Mental Models in Chemistry Education Rüdiger Tiemann, Humboldt-Universität zu Berlin (Germany)

Adapting University Education to a Pandemic: Flexible Programs with Branching Structure for Engineering Courses Olga Melnichuk, Ufa State Aviation Technical University (Russian Federation)

Analysis of Cell Representations Included in Greek Biology School Textbooks Kalliopi Papatheodosiou, Ionian University (Greece)

Analysis of Pre-service Science Teachers' Biodiversity Images according to Sustainable Environmental Awareness Level *Nurcan Tekin, Aksaray University (Turkey)* 

Artificial Intelligence Patents in Digital Enterprises

Vladislava Petrova, University of National and World Economy (Bulgaria)

Challenges in Compiling Expert Corpora for Academic Writing Support Roxana Rogobete, West University of Timisoara (Romania)

Cultural Heritage Education: Towards new Skills and Competences Mirena Staneva, University of National and World Economy (Bulgaria)

Delivering Online Skills to Groups Facing Barriers Rim Abid, Ryerson University (Canada)

Dinner in the Desert Kitchen: Reflections on Experiential Learning Through Food, Art, and Social Practice Glenna Jennings, University of Dayton (United States)

Do German Chemistry Textbooks Foster Metacognitive Skills?

Christian Kressmann - Rüdiger Tiemann, Humboldt-Universität zu Berlin (Germany)

Engaging Learners through Interactive Field Experiences Diane Boothe, Boise State University (United States)

Enhancement of Intercultural Awareness through Project-Based Training
Sanita Grasmane - Daina Grasmane, Latvia University of Life Sciences and Technologies (Latvia)

#### Virtual Presentations

(Available on the Conference Website)

Features of Instructional School Leadership at the Local Level of Schools' Governance Vesna Kovač, University of Rijeka (Croatia)

Game-Based Learning and Breakout as Comprehension Techniques in Solving Math Problems in Primary Education Silvia Natividad Moral Sanchez, University of Málaga (Spain)

How Do German Science Teachers Characterize Biological Giftedness Anke Renger, University Hamburg (Germany)

Illustrating Information: Developing Students as Consumers and Producers of Media through the Use of Infographics Erin K. Anderson, Washington College (United States)

Implementation of the Curriculum of Cross-Curricular Topic Citizenship Education in Croatia: Case of Elementary School Teachers

Ivan Beroš, University of Zagreb (Croatia)

Infusing Soft-Skills in the DigCompEdu: "Digital Tutor" Definition, Role and Competencies Aurima Bajorūnienė, Kėdainiai Vocational Education and Training Centre (Lithuania)

Integrating Circular Economy Concepts in School Programmes

Armida Torreggiani, National Research Council of Italy (CNR) (Italy)

Intellectual Property and University Corporate Security of the Education Based in Digital Environment Vladia Borisova, University of National and World Economy (Bulgaria)

Learning by Doing: The Case Study of the Advanced Construction Management and Economics (ACME) Seminars Enrico S. Mazzucchelli, Politecnico di Milano (Italy)

Learning with Storytelling: A Fairytale Teaching Case for Business Education Simon Kiesel, École Nationale des Ponts et Chaussées Business School (France)

Linear Correlations between Misconception of Special Relativity Concepts in High School Patricija Nikolaus, University of Split (Croatia)

Living and Working in a Multicultural Society - A Comparative Study of Czech and Slovak Tourism Undergraduates' Views Zuzana Sándorová, Constantine the Philosopher University in Nitra (Slovakia)

Music in Language Classes: Project of International Collaboration Katerina Stroblova, University of West Bohemia (Czech Republic)

New Types of Trademarks that Contribute to Digital Competitiveness. Educational and Practical Aspects Silviya Todorova, University of National and World Economy (Bulgaria)

Pandemic and Disruption: Opportunities for Learning and Social Transformation

Isabel Abreu dos Santos, MARE.Nova, Marine and Environmental Sciences Centre ULHT, Lusofona University (Portugal)

#### Virtual Presentations

(Available on the Conference Website)

Psycho-Emotional Effects of 15-16 Years Adolescence on Pandemic Ida Kruti, University College "Wisdom" (Albania)

Promotion of Inclusive Education and Wellbeing through Arts

Stefano Corradi - Óscar Muñoz Biedma, Všļ "eMundus" (Lithuania)

Vida Drasutė - Fotini Tampakaki, Kaunas University of Technology (Lithuania)

Scientific Communication Skills in Education with ICT Tools Beata Jarosievitz, Dennis Gabor College (Hungary)

Shaking the Brick and Mortar: Traditional versus Online foreign Language Learning Isabela-Anda Dragomir, "Nicolae Bălcescu" Land Forces Academy of Sibiu (Romania)

Smart Clothes for People in Smart Cities: New Challenges in Education of Future Designers Nataliya Solodilova, Ufa State Petroleum Technological University (Russian Federation)

Is there any Link between Gender, Personality, Traits and Business Students' Study Time and Attendance? Leiv Opstad, Norwegian University of Science and Technology (Norway)

Studying Student Communication during Synchronous Online University Teaching with Social Network Analysis *Tomáš Lintner, Masaryk University (Czech Republic)* 

Sweets Arithmetic Online Study. Make Sweets with Eyes, Ears, Nose, Mouth, Hands and Head Mayumi Ueno, Home-Education-Labo (Japan)

Teaching Television Business in Digital Environment during Covid 19. Opportunity not Limitation Dimitrina Papagalska, University of National and World Economy (Bulgaria)

Technical-Vocational Education (TVE) High School Students' Conceptual Understanding and Mental Models about Electric Circuits

Voltaire Mistades, De La Salle University (Philippines)

The Golden Ratio Teaching Project – Enhancing Harmony and Balance in the Teaching & Learning Process Anca Colibaba, GR. T. Popa University / EuroED Foundation (Romania)

What Futures for Education? An Answer to the Challenge Launched by UNESCO

Albertina Raposo, Polytechnic Institute of Beja (IPBeja) - MARE (Centre of Marine sciences and Environment) (Portugal)

Young Kiwi's Motivation to Study Science

Petr Novotný, Charles University (Czech Republic)



#### **Conference Secretariat**

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