



Fostering 21st-Century Skills in Higher Education

“How can governments and institutions support students’ skills development?”

A two-day online event organised by
the OECD Centre for Educational Research and Innovation (CERI)

12-13 January 2022 via Zoom

This two-day online event is organised as part of the CERI project “[Teaching, Learning and Assessing Creativity and Critical Thinking in Education](#)”. The first phase of the project looked at innovative teaching and assessment approaches to creativity and critical thinking in primary and secondary schools, and its findings are summarised in a [report](#) published in 2019. The second phase focusing on higher education is currently ongoing; pedagogical interventions have been made in 26 institutions across 14 countries (see below).

The event aims to bring policymakers and representatives of higher education institutions together to facilitate a dialogue between them and articulate public policies and institutional practices in supporting the development of students’ 21st-century skills in higher education. It comprises three public webinars and one invitation-only online meeting. The closed meeting targets members of the CERI Governing Board and OECD Education Policy Committees and its subsidiary bodies, higher education policymakers, representatives of higher education institutions, and other higher education stakeholders. The public webinars are open to all. You are invited to participate in all four sessions, or any individual session(s) of your interest. The working language of the conference will be English.



**DAY 1 - Wednesday 12 January 2022**

13:30-15:00 (CET)	Institutional Perspective: Dialogue with Institutional Leaders
<i>Zoom webinar, open to public</i>	<p>How does your institution support students and teachers in fostering 21st-century skills? What types of policies or initiatives can governments implement to support institutions in further developing students' 21st-century skills?</p> <p>Guest presentations by:</p> <ul style="list-style-type: none">• Elina Kähkönen, Director of Aaltonaut (Interdisciplinary Programme), Aalto University, Finland• Bernard C Y Tan, Senior Vice Provost for Undergraduate Education, National University of Singapore, Singapore• Laura Winer, Director of Teaching and Learning Services, McGill University, Canada <p>Reflection by Tia Loukkola, Head of Innovation and Measuring Progress Division, Directorate for Education and Skills, OECD</p> <p>Moderation by Stéphan Vincent-Lancrin, Deputy Head of CERI and Senior Analyst, Directorate for Education and Skills, OECD</p>
Register here: https://meetoecd1.zoom.us/webinar/register/WN_WTUzG1yWQwa9KaVkiLhzXQ	

16:00-17:00 (CET)	Approaches to 21st-Century Skills in Europe and North America
<i>Zoom webinar, open to public</i>	<p>How can governments help institutions and teachers in fostering students' 21st-century skills?</p> <p>Roundtable discussion with:</p> <ul style="list-style-type: none">• Susan Carson, Program Director, National Science Foundation, United States• Claire McAvinia, Educational Developer - Professional Development, National Forum for the Enhancement of Teaching and Learning in Higher Education, Ireland• Jason Yeung, Senior Policy Advisor, Postsecondary Education Quality Assessment Board, Ontario Ministry of Colleges and Universities, Canada <p>Moderation by Mathias Bouckaert and Shizuka Kato, Analysts, Directorate for Education and Skills, OECD</p>
Register here: https://meetoecd1.zoom.us/webinar/register/WN_X64LroVjQXmLBizAcGWnhA	





DAY 2 - Thursday 13 January 2022

9:30-11:00 (CET)	Approaches to 21st-Century Skills in Asia-Pacific
<i>Zoom webinar, open to public</i>	<p>How can governments help institutions and teachers in fostering students' 21st-century skills?</p> <p>Guest presentations by:</p> <ul style="list-style-type: none">• Angela Carbone, Director, Australian Awards for University Teaching, Universities Australia, Australia• Eun Young Kim, Director and Research Fellow, Office of International Cooperation, Korean Educational Development Institute, Korea <p>Reflection by Akiyoshi Yonezawa, Professor and Vice-Director, International Strategy Office, Tohoku University, Japan</p> <p>Moderation by Cassie Hague, Analyst, Directorate for Education and Skills, OECD</p>
Register here: https://meetoe.cd1.zoom.us/webinar/register/WN_1Tnh36KJSYOAIS5MJZ2UvQ	

13:30-15:00 (CET)	Summary Session
<i>Zoom meeting, invitation only</i>	<p>Opening, Andreas Schleicher, Director for Education and Skills, OECD</p> <p>Project overview and update, Stéphan Vincent-Lancrin, Deputy Head of CERI and Senior Analyst, Directorate for Education and Skills, OECD</p> <p>Roundtable discussion with:</p> <ul style="list-style-type: none">• Roisin Donnelly, Head of School of Management, Technological University of Dublin, Ireland• Bernard C Y Tan, Senior Vice Provost for Undergraduate Education, National University of Singapore, Singapore• Thomas Weko, Team Leader, Higher Education Policy, Directorate for Education and Skills, OECD <p>Open discussion with OECD delegates and representatives of institutions participating in the CERI Creativity and Critical Thinking Project</p>
Only open to OECD delegates and project network members.	



List of institutions participating in CERI Creativity and Critical Thinking in Higher Education Project





- Monash University - Australia
- Ontario Tech University - Canada
- McGill University - Canada
- University College Copenhagen - Denmark
- Aalto University - Finland
- NISE (University of Limerick + Mary Immaculate College) - Ireland
- Polytechnic University of Turin - Italy
- International Christian University - Japan
- Sophia University - Japan
- Korean Educational Development Institute (national coordinator) - Korea
- National Pedagogical University - Mexico
- University of Guadalajara - Mexico
- Central China Normal University - People's Republic of China
- Northeast Normal University - People's Republic of China
- Shanghai Normal University - People's Republic of China
- Lusophone University of Humanities and Technologies - Portugal
- Polytechnic Institute of Viana do Castelo - Portugal
- Polytechnic of Leiria - Portugal
- Santa Maria Health School - Portugal
- Técnico Lisboa (University of Lisbon) - Portugal
- University of Aveiro - Portugal
- University of Porto - Portugal
- University of Trás-os-Montes and Alto Douro - Portugal
- National Research University Higher School of Economics - Russian Federation
- University Camilo José Cela - Spain
- University of Winchester - United Kingdom

For any inquiries, please contact Stephan.VINCENT-LANCRIN@oecd.org and Shizuka.KATO@oecd.org.





Speakers' bios

	<p>Mathias Bouckaert, Analyst, Directorate for Education and Skills, OECD</p> <p>Mathias Bouckaert works at the OECD Centre for Educational Research and Innovation (CERI). He is a co-author of the book “Fostering Creativity and Critical Thinking: What It Means in School” (2019) that explores how teachers in primary and secondary education can support students in developing higher-order thinking skills. He now investigates these questions further in the field of higher education, working on topics related to innovative pedagogies, new forms of assessment, teacher professional learning, supportive institutional settings and system-level policies. Mathias holds a PhD in economics from University Paris Saclay during which he researched the evolutions of universities toward sustainability and the conditions for their evaluation.</p>
	<p>Angela Carbone, Director, Australian Awards for University Teaching, Universities Australia, Australia</p> <p>Professor Angela Carbone is the Associate DVC Learning, Teaching and Quality for the STEM College at RMIT University. Prior to joining RMIT, Professor Carbone was Associate Dean, Learning Innovation, in the Faculty of Science, Engineering and Technology at Swinburne University. Angela also held various leadership positions throughout her 25 year career at Monash, including the inaugural Academic Director of Education Excellence for Monash University’s Office of Learning and Teaching, Associate Director of the Office of the Pro Vice-Chancellor (Learning and Teaching) and the Director of Education Quality in the Faculty of Information Technology.</p>
	<p>Susan Carson, Program Director, National Science Foundation, United States</p> <p>Dr. Sue Carson is a rotating Program Director at the National Science Foundation. Programs in her portfolio include the Scholarships in Science, Technology, Engineering, and Mathematics Program (S-STEM), the Improving Undergraduate STEM Education Program (IUSE), the Robert Noyce Teacher Scholarship Program, and the Research Experience for Undergraduates Program (REU). She is on a 2-year leave from North Carolina State University, where she is a professor in the Department of Plant and Microbial Biology, with her most recent work leading a campus-wide initiative to help faculty enhance students’ critical and creative thinking skills across disciplines.</p>
	<p>Roisin Donnelly, Head of School of Management, Technological University of Dublin, Ireland</p> <p>Dr Roisin Donnelly is currently Head of School of Management in the Technological University of Dublin. She has recently completed a multi-term secondment to the National Forum for the Enhancement of Teaching and Learning in Higher Education, where she was sectoral project manager on the initial implementation of the Professional Development Framework for all who teach in Irish higher education, and subsequently on the National Advisory Group on the consultation of a Professional Recognition Framework for HE in Ireland.</p>








	<p>Cassie Hague, Analyst, Directorate for Education and Skills, OECD</p> <p>Cassie Hague is an analyst at the Centre for Educational Research and Innovation at the OECD where she works on the Fostering and Assessing Creativity and Critical Thinking in Education project. She works with a network of 26 HEIs in 14 countries to develop pedagogical approaches and resources to support the integration of creativity and critical thinking with subject teaching across a range of higher education disciplines. She has worked extensively on higher education teaching and policy issues, leading graduate level courses in higher education and writing on both online learning and digital literacy in higher education contexts. More generally, her research interests are orientated towards innovation in teaching and learning in higher education contexts and across education systems.</p>
	<p>Elina Kähkönen, Director of Aaltonaut (Interdisciplinary Programme), Aalto University, Finland</p> <p>Dr.Sci.(Tech) Elina Kähkönen made her first career in an international chemical industry company. Her Doctoral research (2007-2011) focused on the interaction between sustainability guidance and product development in industry. Since 2013 she has been a head of the interdisciplinary Aaltonaut program. Since Aug 2021 she has led a strategy implementation project which strives to integrate the cross-cutting themes of Aalto University; Solutions for Sustainability, Entrepreneurial Mindset, and Radical Creativity in education.</p>
	<p>Shizuka Kato, Analyst, Directorate for Education and Skills, OECD</p> <p>Shizuka Kato is an Analyst in the OECD Directorate for Education and Skills, currently supporting the project on Teaching, Learning and Assessing Creativity and Critical Thinking Skills in Higher Education. She has previously worked on higher education projects looking at alternative credentials, micro-credentials, digital transformation, and labour market relevance and outcomes, as well as the review of several European higher education systems. Prior to joining the OECD, she worked for Waseda University in Tokyo, facilitating the institution's faculty and student mobility and international cooperation in the International Affairs Division.</p>
	<p>Eun Young Kim, Director and Research Fellow, Office of International Cooperation, Korean Educational Development Institute, Korea</p> <p>Eun Young Kim is a research fellow at KEDI. She has been involved in various higher and international education projects at both national and international levels, such as the Evaluation of Korean National Universities, the OECD's In-depth Analysis of Labor Market Outcomes of Higher Education, and the Implementation Plans for the Post-2015 Educational Development Cooperation Agenda. She also serves as a OECD's Education 2030 National Coordinator. Holding a directorial position of Office of International Cooperation at KEDI, she is an editorial board member for the Journal of Korean Education and the KEDI Journal of Educational Policy (KJEP). She received her Ph.D. from the University of Illinois at Urbana-Champaign.</p>





	<p>Tia Loukkola, Head of Innovation and Measuring Progress Division, Directorate for Education and Skills, OECD</p> <p>Tia Loukkola leads the Innovation and Measuring Progress Division at the OECD Directorate for Education and Skills. She was previously the Deputy Secretary General at the European University Association (EUA) in Brussels. She also served as Director of EUA’s Institutional Development Unit leading quality assurance, learning and teaching, and recognition activities. From 2003 to 2013, Ms Loukkola was Head of the Quality Management and Institutional Evaluation Programme and Senior Programme Manager at the EUA where she led a reform of the EUA’s fee-based full-costed services and designed and implemented several projects leading to higher education system reviews in multiple countries. Prior to this, Ms Loukkola held multiple positions at the University of Turku, Finland, where she co-ordinated student recruitment and admissions and was responsible for the university’s student exchange agreements including Erasmus.</p>
	<p>Claire McAvinia, Educational Developer - Professional Development, National Forum for the Enhancement of Teaching and Learning in Higher Education, Ireland</p> <p>Dr Claire McAvinia was seconded part-time to the National Forum as an Educational Developer from October 2020-December 2021, contributing to the VIT&L and Next Steps projects. Claire is an academic developer at TU Dublin, teaching and supervising on its accredited T&L programmes. Previously she was Learning Technologist at Maynooth University, and also worked in teaching and learning development at UCL and the University of Surrey in the UK. Claire recently completed a two-year term as Chair of the Educational Developers in Ireland Network (EDIN). She is a Fellow of the UK Staff and Educational Development Association (SEDA) and the UK Higher Education Academy. Her interests are in academic professional development, open education, and digital literacies.</p>
	<p>Andreas Schleicher, Director for the Directorate of Education and Skills (OECD)</p> <p>Andreas Schleicher is Director for Education and Skills, and Special Advisor on Education Policy to the Secretary-General at the Organisation for Economic Co-operation and Development (OECD) in Paris. He initiated and oversees the Programme for International Student Assessment (PISA) and other international instruments that have created a global platform for policy-makers, researchers and educators across nations and cultures to innovate and transform educational policies and practices. He has worked for over 20 years with ministers and education leaders around the world to improve quality and equity in education.</p> <p>Before joining the OECD, he was Director for Analysis at the International Association for Educational Achievement (IEA). He studied Physics in Germany and received a degree in Mathematics and Statistics in Australia. He is the recipient of numerous honours and awards, including the “Theodor Heuss” prize, awarded in the name of the first president of the Federal Republic of Germany for “exemplary democratic engagement”. He holds an honorary Professorship at the University of Heidelberg.</p>


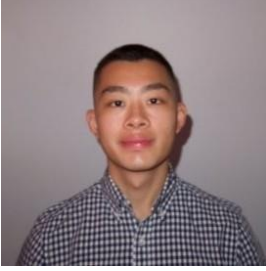





	<p>Bernard C Y Tan, Senior Vice Provost for Undergraduate Education, National University of Singapore, Singapore</p> <p>Professor Bernard C Y Tan is Senior Vice Provost (Undergraduate Education) at the National University of Singapore (NUS). He assists the Provost in setting educational directions and policies, and in assuring educational quality for the University.</p> <p>His achievements include the Public Administration Medal (Silver) in 2012, NUS Outstanding Educator Award in 2004, and NUS Young Researcher Award in 2002. Prof Tan is also Shaw Professor in the Department of Information Systems and Analytics. His research interests include social media, virtual communities, and Internet commerce. He has given invited talks and keynote addresses at various international conferences. His research work has been published in major international journals and conference proceedings in the field of information systems.</p>
	<p>Stéphane Vincent-Lancrin, Deputy Head of CERI and Senior Analyst, Directorate for Education and Skills, OECD</p> <p>Stéphane Vincent-Lancrin is a Senior Analyst and Deputy Head of the Centre for Educational Research and Innovation (CERI) at the OECD. He leads work around disciplined innovation and change management, showing with the work on “Fostering and Assessing Creativity and Critical Thinking in Education” what kind of support, environment and tools school teachers and university professors could be given to improve their teaching and their students’ learning. An example of capacity development through international professional learning communities. He also leads work on education during the covid-19 crisis and work on the digitalisation in education, notably the project on “Smart data and digital technology in education: AI, learning analytics and beyond” including a blockchain component. More generally, he works on innovation, research and how new trends influence the futures of learning and education policy at the schooling and higher education levels.</p>
	<p>Thomas Weko, Team Leader, Higher Education Policy, Directorate for Education and Skills, OECD</p> <p>Thomas Weko is a Senior Analyst in Education and Skills Directorate of the Organisation for Economic Cooperation and Development (OECD), where he leads the work of the Higher Education Policy Team. He has carried out reviews of higher education in East Asia, Latin America, and Europe. Prior to rejoining the OECD in 2015, he served as Research Manager for Higher Education at the American Institutes for Research; Director of the Policy Planning and Studies Service in the US Department of Education; and Associate Commissioner for Postsecondary, Adult, and Career Education at the (US) National Center for Education Statistics. He has also served as a senior analyst for the US Government Accountability Office (GAO) and the Washington State Higher Education Coordinating Board.</p>





	<p>Laura Winer, Director of Teaching and Learning Services, McGill University, Canada</p> <p>Laura Winer is the Director of Teaching and Learning Services (TLS) and Associate Professor (Professional) in the Department of Educational and Counselling Psychology at McGill University. TLS oversees many University-wide initiatives, including the design and redesign of classrooms and teaching labs, faculty development programs, student professional skills development, the use of technology in teaching and learning, and policy development. She has published and presented nationally and internationally on educational development areas including the use of information technologies, teaching and learning spaces, evaluation of teaching, and medical education.</p>
	<p>Jason Yeung, Senior Policy Advisor, Postsecondary Education Quality Assessment Board, Ontario Ministry of Colleges and Universities, Canada</p> <p>Jason Yeung is a Senior Policy Advisor at the Ontario Ministry of Colleges and Universities (MCU), Postsecondary Education Quality Assessment Board (PEQAB). Jason's primary responsibilities include overseeing the development of Ontario College non-degree program standards which includes a programs vocational learning outcomes, essential employability skills and general education requirements. Jason's work in MCU also includes overseeing quality assurance reviews of degree programs offered by Ontario Colleges, out of province public organizations and private organizations that seek to offer degree level programs in the province of Ontario.</p>
	<p>Akiyoshi Yonezawa, Professor and Vice-Director, International Strategy Office, Tohoku University, Japan</p> <p>Dr. Akiyoshi Yonezawa is Professor and Vice-Director of International Strategy Office, and a Special Advisor for the President, at Tohoku University, Japan. With a background in sociology, he mainly conducts research on comparative higher education policy – especially focusing on world-class universities, internationalisation and public-private relationships in higher education. He established his expertise in higher education policy and management through working experience at Nagoya University, OECD, Hiroshima University and the University of Tokyo. He is a board member at Japan Association for Higher Education Research and at Japan Comparative Education Society, and a national delegation of the Group of National Experts on Higher Education for OECD. He is also actively contributing international research publication, e.g. as an editorial advisory board member of Higher Education and International Higher Education. He is also one of the book series editors of Higher Education in Asia (Springer). His recent co-edited book <i>Researching Higher Education in Asia</i> (Springer, 2018) was granted the “Best Book Award 2019” from Comparative and International Education Society (SIG Higher Education).</p>

