

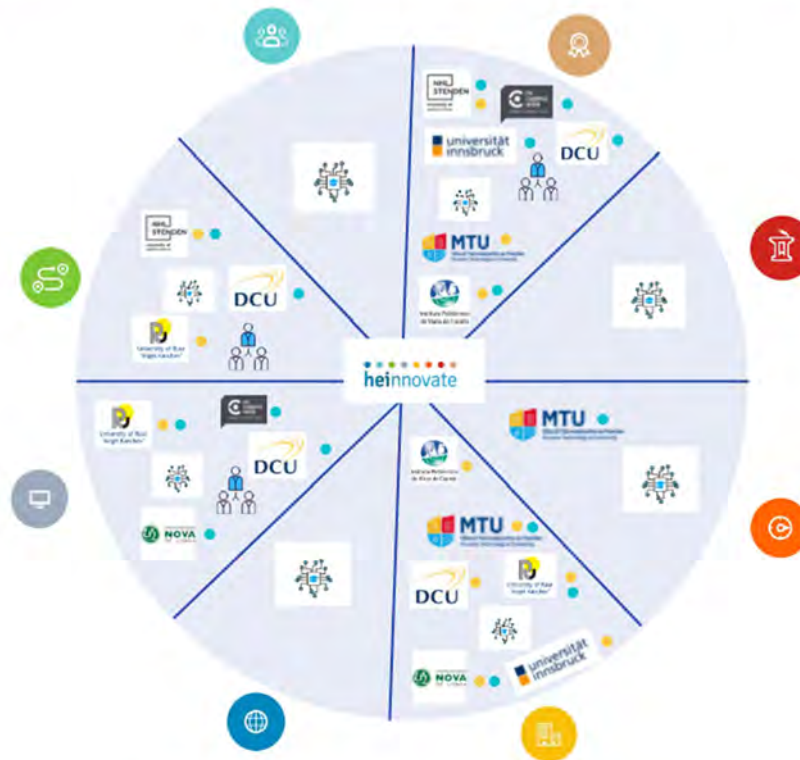


# BeyondScale: European Forward Looking Cooperation Projects in the fields of Education and Training

## Final Project Conference - Proceedings

5-6 April 2022

TU Vienna, TUtheSky



DIGI Buddy



Teachers' Network



Outbound Activity



Inbound Activity

## 1. The Project

BeyondScale is one of the Forward Looking Cooperation projects to create a pan-European community of practice, that will share, and document emerging good practices of partner higher education institutions based on their entrepreneurial transformation. The second objective of the BeyondScale project is to further develop the usefulness of the HEInnovate tool. The project includes 10 partners from 5 European countries: Austria, Bulgaria, Netherlands, Ireland, and Portugal. One of the main assets of the BeyondScale project is the Buddy System, in which partners engage in peer-learning, exchanging experiences, and discussing plans. Our partner higher education institutions have been organised as a buddy team throughout the project to strengthen their organisational capacity and entrepreneurial transformation.

Within the BeyondScale project, the HEInnovate tool is deployed beyond its self-assessment capacity through a structured workshop format, the so-called Value Proposition Workshop Design. In addition, we added an emphasis on labour market relevance of the educational offering in more general terms, going beyond the development of an entrepreneurial mindset and the support of start-ups. We closely looked into processes and structures that higher education institutions (HEIs) use to connect with transforming labour markets.

The HEInnovate dimensions are used to drive entrepreneurial and innovative change across a range of inbound and outbound education and engagement activities with relevant stakeholders. From the BeyondScale perspective, the inbound activity serves to support HEI's institutional development process and organisational capacity; therefore, it targets internal stakeholders (administrative staff, academics, researchers, students). As for the outbound activity, it aims to strengthen HEI's wider regional and societal engagement, thus it targets external stakeholders (students, employers, social enterprises, business, NGOs).

For more information see the website: [www.beyondscale.eu](http://www.beyondscale.eu)

### Main topics of the BeyondScale final conference

- **HEInnovate & Forward Looking Cooperation Projects:** Mission & Objectives
- **Labour market relevance of higher education** – how do HEIs anticipate novel jobs and skill needs, create study programmes that are relevant to these labour market needs, and rethink how to communicate with learners about future careers and with employers about graduate skills
- **Current needs and challenges** to become innovative, more entrepreneurial from HEI's view and also ministry perspective and national perspective
- **BeyondScale:** Project objectives and the journey we made
- **How to manage the transformation of HEIs** – is it up to the autonomy of the institutions or is it up to the guidance through the government?

## 2. Programme and summary of presentations

April 5, 2022

- **Brigitte Ecker**, WPZ Research, BeyondScale
- **Maria Keplinger**, Austrian Federal Ministry of Education, Science and Research

Brigitte Ecker welcomed all participants to the BeyondScale conference in Vienna, being the first time since the start of the project, where a personal meeting has been possible. Maria Keplinger from the Austrian Ministry of Education, Science and Research provided the national perspective of further transformation of HEIs, and the use of tools offered to support change processes in HEI to improve their societal and economical responsibility.

### **Session 1: Current needs and challenges to become innovative, more entrepreneurial from HEI's view and ministry perspective/national perspective, which dimensions matter?**

- **Alessio Cavicchi**, University of Pisa, RE-ACT
- **Bárbara Gabriel**, University of Aveiro, THEI2.0
- **John Edwards**, EURASHE, UASiMAP

Moderation: **Ruadhri Neavyn**, Higher Education Authority

HEInnovate, a self-reflection tool as well as community of practice – lessons learned and ideas for the future way to go. Participating representatives of the Forward Looking Cooperation Projects (FLCP) – THEI2.0, RE-ACT, and UASiMAP – presented their projects and their findings in their projects, which will continue until mid of 2022.

### **Session 2: How to create an entrepreneurial mindset**

- **Johannes Fröhlich**, TU Wien
- **Breda O'Dwyer**, Munster Technological University

Johannes Fröhlich, vize-rector of TU Wien, welcomed the participants and informed about experiences from the TU Wien i2ncubator programme and the future plans of the TU Austria. Breda O'Dwyer tried to open up the minds and eyes for the entrepreneurial mindset, explaining what it actually means in and for the higher education sector in Europe.

### **Session 3: HEInnovate & Forward Looking Cooperation Projects: Mission & Objectives**

- **Monika Weymann**, European Commission
- **Raffaele Trapasso**, OECD
- **Rebecca Allinson**, Technopolis

Monika Weymann presented the European strategy for higher education and how to tackle and adapt to changing conditions linked to climate change, technology, demographic change and the COVID-19 pandemic. Raffaele Trapasso reported about experiences from the recent country reports and the next steps and last but not least, Rebecca Allinson informed about the HEInnovate tool and the community of HEInnovate. Overall, the necessity of further development of the HEInnovate tool and also the promotion of peer-learning in the HEI context were stressed.

## Session 4: BeyondScale – Project objectives and the journey we made

- **Brigitte Ecker**, WPZ Research
- **Nini Popkhadze**, WPZ Research/EUA and **Donnchadh Kindlon**, Dublin City University: Value Proposition Workshop Format
- **Susanna Boldrino**, FH Campus Wien: Inbound activities within BeyondScale
- **Helen McGuirk**, Munster Technological University, Hincks Centre for Entrepreneurship Excellence: Outbound activities within BeyondScale / [download presentation](#)

Having heard the policy insights, the next and core topic of the conference explained and elaborated on the concept of the BeyondScale project. Brigitte Ecker provided insights on the general idea and intentions of BeyondScale. Nini Popkhadze and Donnchadh Kindlon explained how the BeyondScale project uses the various HEInnovate dimensions and applies them to the value proposition canvas. Susanna Boldrino described in detail the Inbound Activities while Helen McGuirk informed about the Outbound Activities of the project.

## Session 5: Accompanying research – lessons learned, how to increase the success of change management at HEIs

- **Andrea Kottman** and **Ben Jongbloed**, University of Twente, Center for Studies of Higher Education Policy

The accompanying research within the BeyondScale project aims at providing knowledge about the implementation of entrepreneurship at institutional level. To this end already existing research on the topic was analysed and processed and the questions on how HEIs organise learning and change processes to integrate entrepreneurship in their profiles and to strengthen the collaboration with regional stakeholders were addressed.

## Session 6: Keynote: Keeping an eye and track of labour market developments and skills demand: What can HEIs learn from private sector approaches to collect and use skills data

- **Vanessa Tierney** und **Fiona Whelan**, [abodoo.com](#), “Skills data mapping and matching for the new world of work”

The presentation on Abodoo.com by Vanessa Tierney and Fiona Whelan explained the necessity of skills data mapping in order to find the perfect match for the new world of work.

## Session 7: Policy Session: Missions, visions and objectives, how to avoid a strategic overload, what are future HEIs reaching for

- **Andrea Hofer**, OECD
- **Thomas Estermann**, EUA
- **Heribert Wulz**, Austrian Federal Ministry of Education, Science and Research
- **Ruadhri Neavyn**, Higher Education Authority Ireland
- **Ivana Radonova**, Bulgarian Ministry of Education and Science
- **Dusa Marjetic**, Slovenian Ministry of Education, Science and Sport
- **António Bob Santos**, Directorate General of Higher Education

The policy session included discussions on recent strategies and developments at national levels, priority settings and the big question what the HE policy is reaching for.

## Session 8: Key Takeaways

- Student's view – **Laure Van Der Sanden**, TU/e innovation Space
- Reflection by **Emer Ní Bhrádaigh**

Takeaways of the conference day were that the different outcomes of the project presented might diverge over different countries, but that there are clearly collective outcomes. The peer learning opportunities – to learn among the different higher education – allow to innovate together, following good practices. The project BeyondScale has set the cornerstone for future collaboration while the user stories and guidelines can be a place where future stakeholders can look for further information when designing their activities.

## April 6, 2022

### Session 1: Peer learning by Digi Buddy and Teacher Network

- **Peter Joore**, NHL University of Applied Sciences
- **Nini Popkhadze**, WPZ Research/EUA, **Panourgias Papaioannou**, WPZ Research **Daniel Pavlov**, University of Ruse
- **Ana Teresa Ferreira Oliveira**, Instituto Politécnico de Viana do Castelo
- **Andrea Kottmann/Ben Jongbloed**, University of Twente, CHEPS

Moderation: **Roberto Henriques**, Universidade Nova de Lisboa

This session of the BeyondScale Conference started with the presentation of the two spin-off projects of BeyondScale, namely the Teacher Network and the Digi Buddy Platform. The Teacher Network – or with full name the International Entrepreneurial Education Network – focuses on building entrepreneurial education, that is effective, innovative and attractive, and might contribute massively to knowledge-, skill- and attitude development in and among the area of entrepreneurship. Digi Buddy is a platform developed by the BeyondScale consortium, where HEIs can look for possible “buddies” – other HEIs with same interests based on the HEInnovate dimensions.

Daniel Pavlov shared his experience on the seminar with Bulgarian and Romanian universities on the Digi Buddy platform and Andrea Kottmann explained the processes and thoughts behind the inspiration fiches that are part of Digi Buddy. Ana Teresa Ferreira Oliveira closed the session with the presentation of Inclusive School Project, fostering community building in innovation and entrepreneurship and implementing service learning at IPVC.

### Session 2: Getting ready for the green transition: curricula update, students' involvement in inter-/transdisciplinary research projects, and innovating teaching and learning in higher education

- Introduction: **Elisabeth Doppler**, BMBWF
- **Judith Zimmermann**, ETH Zürich – Student Project House

- **David DeVallance**, University of Primorska – on students' involvement in inter-/transdisciplinary research projects
- **Walter Jansen**, Maastricht University Institute for Education Innovation, EDLAB – on innovating teaching and learning in HE
- **Jakob Stolt**, Copenhagen Solutions Lab, City of Copenhagen – on HEIs and smart city needs

Moderation: **Kurt Matyas**, TU Wien

The last session of the day had a focus on the green transition, innovative teaching and learning in higher education and the student's involvement in inter-/transdisciplinary research projects.

Elisabeth Doppler explained the responsibility of the government to set political goals during societal changes by providing steering documents for higher education institutions. These include details on strategies, development and funding plans as well as the performance agreements. Judith Zimmermann from ETH Zürich presented the Student Project House, an initiative in the area of interdisciplinary teaching and the involvement of the students in this unique initiative.

The session ended with a panel discussion, moderated by Kurt Matyas from TU Wien. The panelists agreed on the necessity to raise awareness and promote student involvement on all the projects presented.

### Session 3: Key takeaways

- Student's view – **Bart Koppelmans**, TU/e innovation Space
- Reflection by **Sara Matt**

Bart Koppelmans shared the message of unity and empowerment where the future can and should not be designed without the student involvement and participation. Students should have the right to fail, learn from their mistakes and then try again. Enabling students' freedom, enabling their own way of learning, their individual learning path and making them do what they do best. Contributions from the past two days showed that there are different means to an end and they are a way to change education.

Enabling mindsets and promoting entrepreneurial thinking are the key message of the last two days. In addition, assessment criteria, not only for students, but also for staff and faculty are important to educate critical and responsible members of society.

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## 3. Speaker list

 <p><b>Allinson Rebecca, Technopolis</b> ... is a Managing Partner at Technopolis responsible for projects/work in the field of International, European and UK public policy, specifically related to the Higher Education, Research, Information Society and Enterprise Policy. This includes research, project management and evaluation. Rebecca is a member of the HEInnovate team as well as an HEInnovate expert.</p>	 <p><b>Boldrino Susanna, FH Campus Wien</b> As one of the first graduates of an FH degree programme in business management, Susanna has been able to make extensive use of her knowledge of organizations and their development as an Executive at FH Campus Wien since 2005. The focus of her department is on the development and advancement of study programs including accreditation procedures. As Bologna Coordinator, she analyses European developments.</p>
 <p><b>Cavicchi Alessio, University of Pisa, RE-ACT</b> ... is Full Professor in Agribusiness, Rural Development and Branding at the University of Pisa (Italy). His main fields of interest and research are consumer food choice, economics of food quality and safety, innovation. He also has experience as an expert evaluator and consultant for Italian Ministries and Regional Governments and for several DGs of the European Commission.</p>	 <p><b>DeVallance David, University of Primorska</b> ... is the Vice Rector for Internationalization at the University of Primorska. He is also a research group leader in Renewables Composites at the InnoRenew CoE. David was an associate professor within the Wood Science and Technology program in the Division of Forestry and Natural Resources at West Virginia University (WVU) from 2009-2019 and still holds the position of adjunct associate professor of wood science and technology at WVU. Additionally, he is the current Past-President of the Forest Products Society.</p>
 <p><b>Elisabeth Doppler, BMBWF</b> After various studies in the humanities, she began her employment at the Ministry of Science, now the Federal Ministry of Education, Science and Research (BMBWF), in 1987 and completed her training as a certified social worker part-time and then the master's degree in social economy and social work at the FH Campus Vienna. Currently, she works in IV/13 Evidence based Higher Education Development and focuses on the third mission of universities - the social tasks of universities and especially on the connection between science and business.</p>	 <p><b>Edwards John, EURASHE</b> ... is the Secretary General of EURASHE, the European Association representing Professional Higher Education Institutions. He has specific expertise on the role of HEIs in economic development and innovation. Between 2011-2020, he worked for the European Commission's Joint Research Centre, managing its work on higher education and VET in Smart Specialisation. John is also coordinating the Erasmus+ UASiMAP project to assess the regional contribution of Universities of Applied Science.</p>

 <p><b>Ecker Brigitte, WPZ Research</b> ... is Managing Director of WPZ Research and Senior Researcher in RTI policy as well as in the field of higher education research. After several years in the business sector, she joined Joanneum Research – Centre for Economic and Innovation Research Vienna and in 2013 the Institute for Advanced Studies in Vienna, where she was Head of the research group “Innovation, Education and Sustainability”. In 2016 she founded WPZ Research, a non-profit research institution located In Vienna.</p>	 <p><b>Estermann Thomas, European University Association</b> ... is Director for Governance, Funding and Public Policy Development with responsibilities for EUA’s work aimed at strengthening universities’ autonomy, governance, management and financial sustainability. Before joining EUA in 2007, he was Deputy Head of Strategic Development and Deputy University Director at the University of Music and Performing Arts, Vienna, a member of the universities' senate and involved in the last two reforms in higher education in Austria.</p>
 <p><b>Ferreira Oliveira Ana Teresa, Instituto Politécnico de Viana do Castelo</b> ... holds a Post Doc in Management and Economics and a PhD in Work and Organizational Psychology. Ana works as a researcher/professor in human development. Ana is Coordinator for Equality and has been advancing IPVC work on international projects related to creativity, critical thinking, social entrepreneurship and teachers’ community building, like BeyondScale.</p>	 <p><b>Fröhlich Johannes, TU Wien</b> ... is the Vice Rector in Research and Innovation in TU Wien. Fundamental research is the core activity of TU Wien. And the mission is to obtain knowledge, develop technology and transfer it into society and into our economy. It is his endeavour to support our scientists in this effort, together with our Research and Transfer Support Office</p>
 <p><b>Gabriela Bárbara, University of Aveiro</b> Bárbara works as a researcher in the area of Mechanical Engineering, with special emphasis in the fields of nanoengineering, related to the Manufacturing for the Circular Economy and Innovative Technologies for Intelligent Cities. Bárbara is an expert and facilitator at European Commission's DG Education and Culture and OECD's initiative HEInnovate for innovation and entrepreneurship in Higher Education.</p>	 <p><b>Henriques, Roberto, NOVA IMS</b> ...is Associate Professor and Associate Dean for Education and Pedagogical Affairs at NOVA IMS. He holds a Ph.D. in Information Management, a Master’s in Geographic Information Systems and Science and a degree in Biophysics Engineering. His research interest includes data analytics and decision support systems using artificial intelligence and machine learning methods. He has been involved in several projects, including health clinical analytics, customer management, and data mining.</p>



 <p><b>Hofer Andrea-Rosalinde, OECD</b>  ..... joined the OECD in 2004 as policy analyst in the Local Economic and Employment Development programme – LEED. Andrea has been advancing OECD work on the role of universities in new venture creation. Part of this is a Criteria List of Good Practice that universities can use as a tool to self-assess and re-orient their current entrepreneurship education and start-up support provision.</p>	 <p><b>Jansen Walter, Maastricht University Institute for Education Innovation</b>  ...is Coordinator Education Innovation at EDLAB, before he has been a tutor in the European Studies BA programme at the Faculty of Arts and Social Sciences at UM. He has further worked at the UM-India office where he has been involved in student recruitment and the facilitation of research collaboration. Since 2015, he coordinates UM-wide education innovation projects within EDLAB.</p>
 <p><b>Jongbloed Ben, Center for Higher Education Policy Studies (CHEPS), University of Twente</b>  ... holds a PhD in Public Administration from the University of Twente and an MSc in Econometrics from the University of Groningen. He is working at the University of Twente as a Lecturer and as a Researcher. He was involved in projects and policy evaluations for clients such as education ministries, research councils, OECD and the European Commission.</p>	 <p><b>Joore Peter, NHL Stenden University of Applied Sciences</b>  ... has a background in Industrial Design Engineering and started his career as a professional designer. And previously worked as a Senior Researcher and Business Consultant at the Netherlands Organization for Applied Scientific Research. He currently works at NHL University of Applied Sciences and his research focuses on the relationship between short term product and service innovations on the one hand, and long term societal change processes on the other.</p>
 <p><b>Keplinger Maria, Austrian Federal Ministry of Education, Science and Research</b>  ... is head of department IV/13 Evidence based Higher Education Development in the Federal Ministry of Education, Science and Research, Austria; editor in chief of the Austrian strategy on the social dimension of higher education (2017); fields of expertise, e.g.: higher education research for policy preparation, evaluations. She accompanied the Erasmus+ project BeyondScale as member of the advisory board.</p>	 <p><b>Kindlon Donnchadh, Dublin City University (DCU)</b>  ... holds a BA in Zoology from Trinity College, Dublin and an MSc in Development and Rural Innovation from Wageningen University and Research. In his MSc, he majored in Sociology of Development and Change and completed a minor in Environmental Governance. He has worked as an Action Research Intern at the Dutch Research Institute for Transitions (DRIFT) in Rotterdam, where he worked on Connecting Nature, an innovative Horizon 2020 project focused on implementing nature-based solutions in cities worldwide.</p>



**Koppelmans Bart, TU/innovation Space**

Born in the blooming city of Eindhoven, he has always been eager to learn everything about the latest technologies. Studying Computer Science

allowed him to develop himself in-depth in tech, while Eindhoven University of Technology allowed him to search the horizon for new opportunities.



**Kottmann Andrea, Center for Higher Education Policy Studies (CHEPS), University of Twente**

... has a degree in Sociology, Philosophy and Law and in her professional career she

worked at several universities, including the Friedrich-Schiller Universität in Jena (Germany), and did research on the transformation of SME enterprises during the German re-unification. At CHEPS she mainly does research on how higher education institutions innovate teaching and learning, including the implementation of entrepreneurship education.



**Matt Sara, University of Innsbruck**

... completed her research career in Physics, then started her education in the field of IPR, becoming a technology transfer professional in January

2012. She has been a member of several technology transfer expert groups and worked in several appointments as innovation expert for the EC. She gained lots of international insights in knowledge transfer through her engagement for ASTP, where she was a member of the Board and President from 2010-2014.



**Kurt Matyas, TU Wien**

... is the Vice Rector for Academic Affairs in TU Wien. He has an interest on international matters relating to teaching. He is the Vice-President of the Austrian

Association on Industrial Engineers. During his academic career he has been an author of numerous publications and books on the topics of plant management, quality and process management.



**Marjetic Dusa, Ministry of Education, Science and Sport in Slovenia**

... is the Head of Higher Education Division at Republic of Slovenia, Ministry of Education, Science and Sport. Her main research interests







lie on the potential usage of artificial intelligence and big data analytics in Higher Education Enrollment in Slovenia. At her work she promotes the new EU agenda for Higher Education and hence the need to tackle future skills mismatches












**McGuirk Helen, Hincks Centre for Entrepreneurship Excellence, Munster Techn. University**

Her work centres on supporting entrepreneurship in all its forms at regional,

national and international levels. This involves managing various publicly funded projects, supervising PhD candidates and Masters' students and collaborating with industry. Her research focuses on the economics of innovation, entrepreneurship, human capital and public policy. She has many years industry experience in project management, financial services and as an entrepreneur in Ireland and Australia.

 <p><b>Neavyn Ruadhri, Higher Education Authority</b> ... is a Special Adviser on Higher Education Policy Development with the Higher Education Authority (HEA) in Ireland. His activities in HE policy development included enterprise engagement, industry linked HE programmes, HE system performance and governance frameworks and intern. collaborative networks. He is currently the chair of the OECD's group of national experts on higher education and a member of the Portuguese Higher Education Advisory Council. He was involved in the Erasmus+ project BeyondScale as member of the advisory board.</p>	 <p><b>Emer Ní Bhrádaigh, Dublin City University</b> ... specialises in teaching entrepreneurship with particular focus on practical entrepreneurship competencies, entrepreneurship education in engineering; social enterprise, and entrepreneurship in minority linguistic communities. Emer has been Principal Investigator on a number of research projects on embedding entrepreneurship in higher education, most recently with the National Forum for the Enhancement of Teaching and Learning funded From Passion to Action project.</p>
 <p><b>O'Dwyer Breda, Munster Technological University</b> ... is founder and Head of the Centre for Entrepreneurship and Enterprise Development at Munster Technological University. She holds a BBS, MBA, PhD, NCEE Fellow in Entrepreneurship, Harvard University Certificate in Problem Based Learning and is Vice President for Education and Practitioner Learning with ISBE. Research at CEED is underpinned and led by the opportunities created through the application entrepreneurial mind-set within, across and between disciplines.</p>	 <p><b>Pavlov Daniel, University of Ruse "Angel Kanchev"</b> ... is Head of the Entrepreneurship Center of the University of Ruse "Angel Kanchev", and Co-founder of the international academic network INTERGEN (The intergenerational family businesses as a stress management instrument for entrepreneurs).</p>
 <p><b>Papaioannou Panourgias, WPZ Research</b> ... studied English language and American studies at the University of Athens and the Free University of Berlin. He worked for the European Parliament before completing his Erasmus Mundus in Research and Innovation in Higher Education (MARIHE). Before joining WPZ Research he worked for the European Association of Institutional Research (EAIR) and Athens Center for Entrepreneurship and Innovation.</p>	 <p><b>Popkhadze Nino, European University Association</b> ... is a Policy and Project Officer in the EUA Governance, Autonomy, and Public Policy Development Unit. She has diverse working experience in the field of higher education, she served as institutional evaluation specialist at the National Center for Educational Quality Enhancement (Georgia). In addition, she worked as Law program coordinator at Free University of Tbilisi. Before joining EUA in December 2021, she worked for WPZ Research as a project assistant for the BeyondScale project.</p>

 <p><b>Radonova Ivana, Ministry of Education and Science in Bulgaria</b> ... is a State Expert in the Higher Education Directorate and works there since February 2007. Her activities are mainly related to the international dimension of the sector, national legislation, entrepreneurship and the links between the education and the labor market. She was the national coordinator for the first HEInnovate review held in Bulgaria in 2014.</p>	 <p><b>Santos António Bob, Directorate General of Higher Education</b> ... is the executive coordinator of Impulses Programme (the Portuguese Higher Education programme funded by the Recovery and Resilience Facility that is closely attached to the LMRO partnership).</p>
 <p><b>Stolt Jakob, Copenhagen Solutions Lab</b> Educated in and working with partnerships, innovation, entrepreneurship and leadership for many years, particularly in a network, development and educational perspective. Have experiences and track records for value-added network structures and network management, as well as creating lasting culture changes and paradigm shifts in organizational relationships with relevant partners.</p>	 <p><b>Tierney Vanessa, Abodoo</b> ... is co-founder and CEO of Abodoo.com – a technology platform providing free matching for companies to people seeking remote work with a vision to enable every human on this planet the opportunity to work. She has over 15 years of experience in international executive search, leadership and talent acquisition and BPO experience for the Fortune 1000 across Europe and the US.</p>
 <p><b>Trapasso Raffaele, OECD</b> ... is Senior Economist at the OECD Centre for Entrepreneurship, SMEs, Regions &amp; Cities and is currently coordinating the projects HEInnovate and The Geography of Higher Education for the OECD. He recently launched the international OECD network EECOLE - Entrepreneurship Education Collaboration and Engagement.</p>	 <p><b>Van Der Sanden Laure, TU/e innovation Space</b> ... is student assistant and beyond her master studies on innovation, she is fully involved in our activities related to the CBL courses and stakeholders' ecosystem management.</p>

 <p><b>Weymann Monika, European Commission</b>          ... joined the European Commission, the Directorate General for Education, Youth, Culture and Sport in 2018. At present she is the team leader of the University Business Cooperation team in the unit for Innovation and EIT. Before joining the European Commission, she worked for the European Committee of the Regions, starting with services to members, and then policy work in areas including Euro-Mediterranean cooperation, EU citizenship, governance, better regulation and enlargement.</p>	 <p><b>Whelan Fiona, Abodoo</b>          ... is co-founder and CEO of Abodoo.com – a technology platform providing free matching for companies to people seeking remote work with a vision to enable every human on this planet the opportunity to work. She is an experienced marketing leader, working directly with brands and organisations. She is the Chief Marketing Officer at Abodoo, Director of Sponsorship of Swim Ireland, and Director at Brand Fusion Studio.</p>
 <p><b>Wulz Heribert, Federal Ministry of Education, Science and Research</b>          As of 2012 he is Deputy Director General / Head of Directorate at the BMWFW. Currently, he is Head of Directorate IV/B (Higher Education Law, Structural Governance of Higher Education, Student Services) at the General Directorate of Higher Education. Before, he was a member of the Higher Education and Research Committee of the Council of Europe, Strasbourg and a member of the Council of the European University Association, Brussels as well as a member of the Governing Board of OECD-IMHE.</p>	 <p><b>Zimmermann Judith, ETHZ</b>          ... is head of the Strategic Projects Group, which is situated within the Rector's staff. Large university-wide projects are carried out in the group to further develop and to support the long-term educational strategy, and to enhance the students' learning experience. In addition to such large-scale projects, educational initiatives with a strong interdisciplinary character are implemented, one of which is the Student Project House. It provides students with various spaces where they can realise their ideas, turn them into projects, and build prototypes. In this way, students can develop various cross-disciplinary competencies.</p>

[Download Speaker list](#)

## 4. Final conference BeyondScale project – summary and key insights from a student perspective

***Bart Koppelmans and Laure van der Sanden, TU/e innovation Space***

Not “one size fits it all”. If there is one theme that fits the findings of the different project partners that spoke during this conference, it is this one. Among the different project partners there have been rather diverse outcomes and different implementation of more generally found outcomes. The focus has been on interdisciplinarity, which is complex but very valuable for innovation and entrepreneurship within Higher Educational Institutions (HEIs).

There has been strong international cooperation throughout the two-year during project, with many opportunities for peer learning. Although one size does not fit all, following good practices has been proved to be hugely valuable. This also ties to the *learning by doing* approach that we follow within TU/e innovation Space, both within our education innovation on Challenge-Based Learning (CBL), as well as by students within the extracurricular student teams or CBL projects. The students learn by just doing, experimenting with things.

And that change in student’s learning shows a common trend in the achieved learnings during the conference. We have gone from teaching to learning, where students should have the lead in their individual learning paths. Students should and will be enabled in deciding what and how they learn.

The realization that helping students in the process of achieving an entrepreneurial mindset is to let them take initiative. Not only with the commonly assumed entrepreneurial endeavors such as start-ups or extracurricular student projects, but also in taking the lead in their learning.

However, for innovation within higher education and student entrepreneurship to work out, the educational institutions need an ecosystem approach – collaborating with businesses, political organizations, research institutes, NGOs, other HEIs, etc. However, as Helen McQuirk said: companies often lack the time for activities outside their core business, which is a major challenge in implementing external activities in a project like BeyondScale. How can businesses be motivated to dedicate more time to such activities? Helen thinks this could be solved by building up long-term partnerships with mutual benefit between a HEI and a company, with a clear win-win relationship. Besides an ecosystem approach, a clear system perspective is needed for institutional change and sustainable transformation.

The BeyondScale project has brought about wonderful insights and benefits for the parties involved. I will name only two of these now. First, a lot more attention and funding has gone into student entrepreneurship so that students can develop themselves in a different way than only following the sequence of their studies. Second, there has been a clear emphasis on what employers are looking for when hiring new graduates and how students can be educated as such.

We have talked a lot about HEIs during the final conference, but so much less about students and their perspectives, while education is for a great part about them and sometimes entrepreneurial, ambitious students can be the seed of change themselves. We witnessed this at the TU/e since the founding of innovation Space is for a great part based upon groups of students gathering together to work on something exciting besides their studies – generating societal impact. Examples of these

are Solar Team Eindhoven and Team Storm. Both teams now have very successful spin-offs: Lightyear (building long range solar electric vehicles) and ELEO (building high-performance batteries for electric transportation). So, it might be a good idea to think about involving students more in the process of innovation in HEIs and in setting up student entrepreneurship facilities.

And as a final point, just some food for thought, we've been talking a lot about life-long learning and in that perspective, if we focus so much on learning and if this is the main goal, why do we still access students via grades? Can we not do it differently to reflect students' learning a lot better?

All together we have realized the first steps in a transition that supports students in learning, both entrepreneurial and in general. Enabling the generation that wants to make a change in the world is vital to achieving our common goals. *That* is the entrepreneurial mindset that we so much desire.

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There has been strong international cooperation throughout the two-year during project, with many opportunities for peer learning. Although one size does not fit all, following good practices has been proved to be hugely valuable. This also ties to the learning by doing approach that we follow within TU/e innovation Space, both within our education innovation on Challenge-Based Learning (CBL), as well as by students within the extracurricular student teams or CBL projects. The students learn by just doing, experimenting with things.

And that change in student's learning shows a common trend in the achieved learnings during the conference. We have gone from teaching to learning, where students should have the lead in their individual learning paths. Students should and will be enabled in deciding what and how they learn.

The realization that helping students in the process of achieving an entrepreneurial mindset is to let them take initiative. Not only with the commonly assumed entrepreneurial endeavors such as start-ups or extracurricular student projects, but also in taking the lead in their learning.

However, for innovation within higher education and student entrepreneurship to work out, the educational institutions need an ecosystem approach – collaborating with businesses, political organizations, research institutes, NGOs, other HEIs, etc. However, as Helen McGuirk said: companies often lack the time for activities outside their core business, which is a major challenge in implementing external activities in a project like BeyondScale. How can businesses be motivated to dedicate more time to such activities? Helen thinks this could be solved by building up long-term partnerships with mutual benefit between a HEI and a company, with a clear win-win relationship. Besides an ecosystem approach, a clear system perspective is needed for institutional change and sustainable transformation.

The BeyondScale project has brought about wonderful insights and benefits for the parties involved. I will name only two of these now. First, a lot more attention and funding has gone into student entrepreneurship so that students can develop themselves in a different way than only following the sequence of their studies. Second, there has been a clear emphasis on what employers are looking for when hiring new graduates and how students can be educated as such.

We have talked a lot about HEIs during the final conference, but so much less about students and their perspectives, while education is for a great part about them and sometimes entrepreneurial, ambitious students can be the seed of change themselves. We witnessed this at the TU/e since the founding of innovation Space is for a great part based upon groups of students gathering together to work on something exciting besides their studies – generating societal impact. Examples of these are Solar Team Eindhoven and Team Storm. Both teams now have very successful spin-offs: Lightyear (building long range solar electric vehicles) and ELEO (building high-performance batteries for electric transportation). So, it might be a good idea to think about involving students more in the process of innovation in HEIs and in setting up student entrepreneurship facilities.

And as a final point, just some food for thought, we've been talking a lot about life-long learning and in that perspective, if we focus so much on learning and if this is the main goal, why do we still access students via grades? Can we not do it differently to reflect students' learning a lot better?

All together we have realized the first steps in a transition that supports students in learning, both entrepreneurial and in general. Enabling the generation that wants to make a change in the world is vital to achieving our common goals. That is the entrepreneurial mindset that we so much desire..



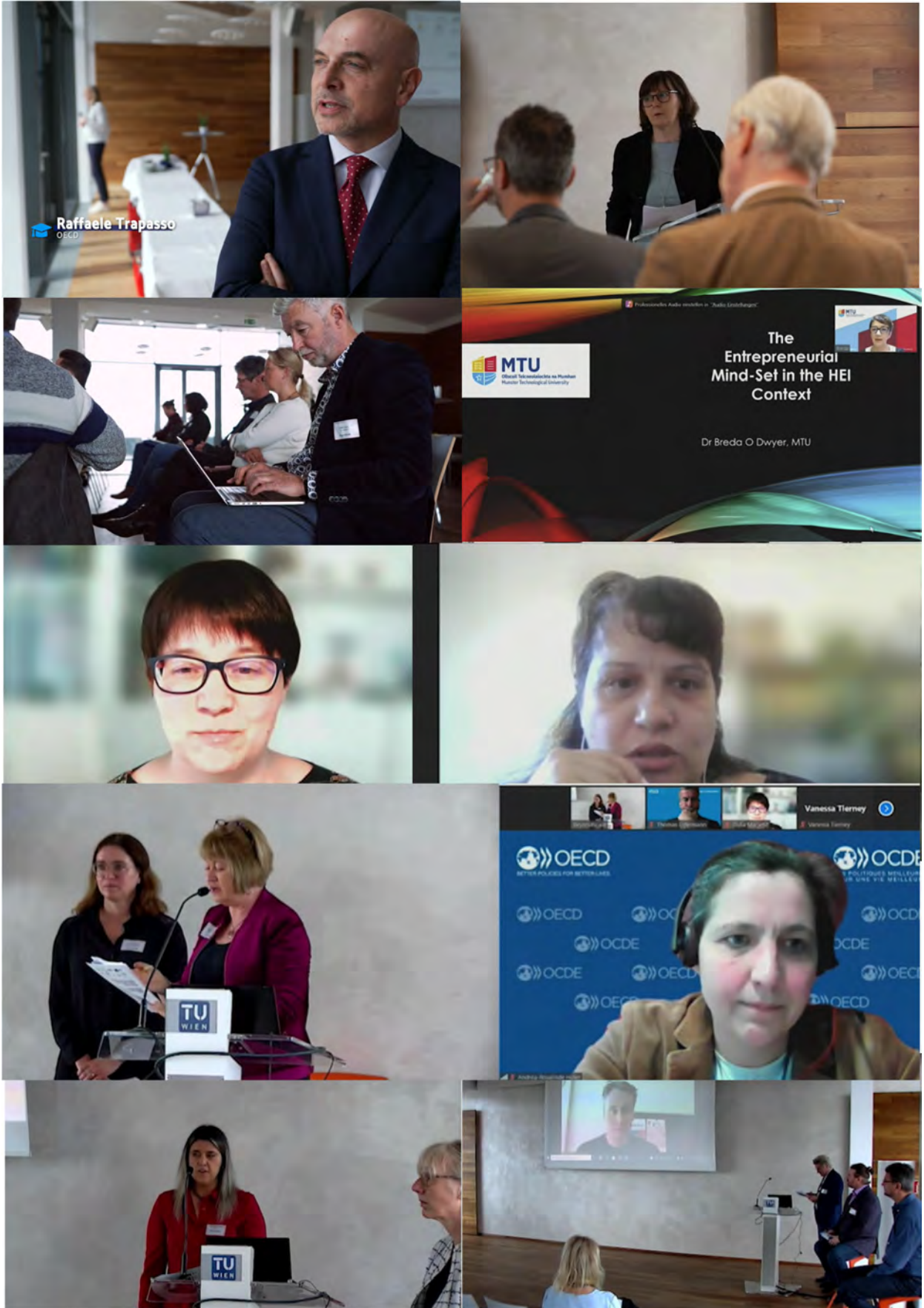
## 5. Overview of presentations and films

<b>Alessio Cavicchi,</b>	University of Pisa, RE-ACT	<a href="#">download presentation</a>
<b>Ana Teresa Ferreira Oliveira</b>	Instituto Politécnico de Viana do Castelo	<a href="#">download presentation</a>
<b>António Bob Santos</b>	Directorate General of Higher Education	<a href="#">download presentation</a>
<b>Andrea Hofer</b>	OECD	<a href="#">download presentation</a>
<b>Andrea Kottmann and Ben Jongbloed</b>	University of Twente, Center for Studies of Higher Education Policy	<a href="#">Download presentation</a>
<b>Bárbara Gabriel</b>	University of Aveiro, THEI2.0	<a href="#">download presentation</a>
<b>Brigitte Ecker</b>	WPZ Research	<a href="#">download presentation</a>
<b>David DeVallance</b>	University of Primorska	<a href="#">download presentation</a>
<b>Helen McGuirk</b>	Munster Technological University, Hincks Centre for Entrepreneurship Excellence	<a href="#">download presentation</a>
<b>Johannes Fröhlich</b>	TU Wien	<a href="#">video message</a>
<b>John Edwards</b>	EURASHE, UASiMAP	<a href="#">download presentation</a>
<b>Judith Zimmermann</b>	ETH Zürich	<a href="#">download presentation</a>
<b>Nino Popkhadze, Donnchadh Kindlon</b>	WPZ Research/EUA Dublin City University	<a href="#">Watch the tutorial</a>
<b>Nino Popkhadze, Panourgias Papaioannou</b>	WPZ Research/EUA,	<a href="#">Digi Buddy platform</a>
<b>Peter Joore</b>	NHL University of Applied Sciences	<a href="#">watch the video</a>
<b>Raffaele Trapasso</b>	OECD	<a href="#">download presentation</a>
<b>Rebecca Allinson</b>	Technopolis	<a href="#">download presentation</a>
<b>Susanna Boldrino</b>	FH Campus Wien	<a href="#">download presentation</a>
<b>Vanessa Tierney, Fiona Whelan</b>	abodoo.com	<a href="#">download presentation</a>

## 6. Some Impressions









**Disclaimer:**

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