



 Bundesministerium
Bildung, Wissenschaft
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Draft agenda: International Peer-learning Seminar 2, “Widening access and attracting students to fields with high labour market demand”; Country Chair – Austrian Federal Ministry of Education, Science and Research

Labour Market Relevance and Outcomes of Higher Education Partnership Initiative (LMRO-PI)

17 February 2022 – virtual Zoom meeting from 9:00-18:00 CET

Register for the event here: <https://meetoecd1.zoom.us/meeting/register/tJkdOGqrjkqHtN-dVDjaaQgMrSFVKntlOJQ> to receive the link and password to join, and add the event in your calendar.

See the programme of all LMRO-PI peer-learning events here: <https://www.wpz-research.com/lmro-partnership-initiative/>.

The peer-learning events of the LMRO-PI are designed for policy makers and practitioners to review innovative national policies, identify enablers and barriers to innovative institutional practices, and discuss key findings from research. The aim is to (i) facilitate peer learning, (ii) identify key questions relevant for policymaking and the adoption and upscaling of effective institutional practices that require further attention, and, thereby, (iii) stimulate and contribute to an international policy debate. The online events gather an international audience of higher education policy stakeholders, including policy makers, leaders of higher education institutions, teaching and administrative staff, and representatives of quality assurance bodies, industry, student unions, and higher education researchers.

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Draft agenda: “Widening access and attracting students to fields with high labour market demand”, Country Chair – Austrian Federal Ministry of Education, Science and Research

Seminar 2 - Opening session

Purpose

To welcome participants to the seminar; provide an overview of the LMRO-PI peer-learning activities; explain the aims of the seminar and the relevance of the seminar topic for the country’s higher education policy.

9:00-9:25

Austrian Federal Ministry of Education, Science and Research, OECD, and the European Commission

9:25-9:30 - Break

Session 1. Study and labour market information for STEM and doctoral students, and adult learners

Purpose

To discuss innovative science didactics and pedagogies for secondary school students, how HEIs and school collaborate with each other in this and in the provision of labour market and study information to youth to raise their interest in STEM subjects. To explore the following questions:

- What STEM didactics and pedagogies in school engage youth, and in particular, girls? What teaching support is available from HEIs?
 - What are key characteristics of successful HEI offers/collaboration with schools to engage youth, and in particular, girls?
 - What labour market and study information is necessary for prospective and current students, when and how should the information be presented and by whom?
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9:30-10:00

Item 1. Innovative science didactics and effective ways to provide labour market and study information to learners to raise their interest in STEM subjects

Louise Archer, [ASPIRES](#), UCL Institute of Education, United Kingdom, (Karl Mannheim Chair of Sociology of Education)

Interviewed by **Helga Posset**, Federal Ministry of Education, Science and Research, Austria (National Coordinator LMRO Partnership Initiative)

10:00-10:15

Item 2. A (prospective) student perspective on effective ways to provide labour market and study information

Magdalena Hangel and **Johannes Ruland**, Austrian national federation of students in higher education (ÖH) [Studieren Probieren ÖH](#)

Interviewed by **Andrea-Rosalinde Hofer**, OECD

10:15-10:35

Item 3. Regional HEI collaborations between higher education institutions and secondary schools

Innovation in schools ([IMST](#)), **Franz Rauch** (Head of the Institute of Instructional and School Development) and **Konrad Krainer** (Dean of the Institute of Instructional and School Development), University of Klagenfurt,

Interviewed by **Tibor Baráth** (Managing Director) Qualitas T&G Ltd., and Kodolányi János University

10:35-10:45 - Break

10:45-11:15

Item 4. Break-out rooms – Idea-exchange among peers:

Participants are invited to self-select in Zoom the breakout room they would like to join, from the following options:

1. ***Science days for secondary school students***
 - a. [Young scientists](#), **Katharina Heidel**, Johannes Kepler University Linz (School marketing and university Communications)
 - b. Outreach activities to secondary schools at the [Environmental Protection College](#), **Gasper Gantar** (Director)
 - c. Rapporteur: **Balazs Endre Szigeti**, Eötvös Loránd University, ELTE, (Doctoral Student)
2. ***Raising interest in STEM***
 - a. [Circus of Knowledge](#), **Airan Berg**, Johannes Kepler University Linz (Circus Director)
 - b. Interviewed by **David Brian DeVallance**, University of Primorska (Vice Rector for Internationalisation)
 - c. Rapporteur: Peter Koller, Austrian Federal Ministry of Education, Science and Research (Working Group STEM)
3. ***Raising interests of girls in STEM***
 - a. [Ada Wien](#) and [Tagebuch einer Informatikerin](#), **Mihaela Rozman** and **Martina Lindorfer**, (Co-ordinator Women in Informatics), TU Vienna
 - b. Interviewed by **Bostjan Vlaovic**, Faculty of Electrical Engineering and Computer Science University of Maribor (Vice-dean of Education)
 - c. Rapporteur: **Luis Pinho**, Resilient P.PORTO programme at the Instituto Politecnico de Porto (Programme Coordinator)
4. ***Framing STEM subjects with social impact***
 - a. Inviting schools on campus for lab work at the [FTPO](#), **Irena Pulko**, Faculty of Polymer Technology (Vice-Dean for Education)
 - b. [Techtalents](#), **Johanna Röttl**, University of Klagenfurt (UNI Services)
 - c. Rapporteur: **Florence Vandendorpe**, Directorate of Scientific Research, Fédération Wallonie-Bruxelles
5. ***Science didactics***
 - a. [“Informatikwerkstatt”](#), **Stefan Pasterk**, Alpen-Adria-Universität Klagenfurt (Deputy-Head of Department of Informatics Didactics)

- b. Interviewed by **Zoltan Gingl**, (Department of Technical Informatics of the University of Szeged)
- c. Rapporteur: **Ales Smonig Grnjak**, Faculty of Computer and Information Science at the University of Ljubljana (Head of Student Affairs Office)

11:15-11:35

Item 5. Reporting back to plenary

Rapporteurs from small group discussions in breakout rooms and OECD

Moderated by **Brigitte Ecker**, Director WPZ Austria and National Expert of the LMRO Partnership Initiative in Austria

11:35-11:45 - Break

11:45-12:15

Item 6. Spotlight on guiding study choices of learners seeking up- and re-skilling

[Universities of the Netherlands](#), a platform to provide information for prospective adult learners, Annemieke van Barneveld-Biesma

Interviewed by **Duša Marjetič**, Head of Higher Education Division in the Slovenian Ministry of Education, Science and Sport and National Coordinator of the LMRO Partnership Initiative in Slovenia

12:15-13:45 - Break

Session 2. Innovative examples of study guidance and successful transition into HE

Purpose

To discuss student support to help students find the right study programme and to transition successfully into higher education, and to discuss the following questions:

- What practices support (underrepresented) students to find the right study programme and transition successfully to higher education?
- What are innovative HEI on-boarding practices that provide support for a successful start in fields with high labour demand (e.g. STEM)?

13:45-14:20

Item 7. Supporting the transition to HE: Focus on *first academics*

[BeFirst!](#), **Aurora Alonso** (Coordinator) and Michael Schnabl (Mentor), University of Klagenfurt

[Studienkompass](#) of the [Stiftung der deutschen Wirtschaft](#), Nandita Wegehaupt (Coordinator)

14:20-15:00

Item 8. Innovative examples of study guidance

John M. Burdick, [NYU Student Success Office](#) and their use of nudging through text messages for student support, scalability

“[Soft skills for life](#)” course at the University of Algarve to reduce dropouts in the 1st year, **Saúl Neves de Jesus** (Course Coordinator)

15:00-15:30 - Break

Session 3. Curricula design and delivery that support a successful start

Purpose

To discuss the following questions:

- How can curricula design and delivery make study programmes attract qualified prospective students with diverse profiles to in-demand fields and facilitate early study success?
 - What are innovative approaches in academic orientation and tutoring? What role can these have in allowing students to choose from a wider range of specialisations for their further studies?
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15:30-16:20

Item 9. Designing programme structure, content and learning environments to attract qualified prospective students with diverse profiles to in-demand fields and facilitate early study success

Moderated panel discussion:

- **Klavdija Kutnar**, Rector of the University of Primorska: Opening in-demand STEM programmes to graduates from related fields with high shares of women, and designing curricula to ease successful transition
- **Istvan Fabian**, former Rector of the University of Debrecen: Importance of research groups and ways to integrate transferable skills development in doctoral degree programmes:
- **Elisabeth Oswald**, Cybersecurity AAU, Director of the Cybersecurity Research Group, University of Klagenfurt: Easy theory and applications in the beginning of programmes
- **Stefan Koch**, Vice-Rector for Education, Johannes Kepler University Linz: Applications in the beginning and peer groups for inclusive learning
- **Filomena Soares**, Vice-Rector for Education and Academic Mobility, University of Minho and President of the Portuguese Society for Engineering Education (SPEE): Implementing multidisciplinary project-based learning

Moderated by **Barbara Gabriel**, Deputy-Dean for Internationalisation at the Department of Mechanical Engineering of the University of Aveiro

16:20-16:45

Item 10. Innovative approaches in academic orientation and tutoring

Moderated panel discussion

- **Ziva Ledinek**, University of Maribor (Department of Anatomy, Histology and Embryology): Tutor teachers in first-year courses and demonstrations
- **Antonio Rebelo**, Student tutor at the University of Aveiro: How tutoring orients students to a wider range of fields of study for their next-level studies
- **Márton Balogh**, University of Pecs (President of the Doctoral Student Association): Open Day for prospective PhD students

Moderated by **Kurt Matyas**, Vice Rector for Education, TU Vienna

16:45-17:15 - Break

Seminar 2 - Summary session

Purpose

To provide participants with a summary of the high-level points and a policy outlook.

17:15-18:00

Austrian Federal Ministry of Education, Science and Research, OECD, and the European Commission