

ETC 2018 Session: Education and Training – New challenges towards the Future Transport

This special session in the frame of the ETC aims on giving information about projects and providing public with progress and findings of the projects **with strong emphasis on development of linkage among education, research and industry.**

AGENDA

- 1) (15min) *ALLIANCE Project: Partnerships for innovation, skills and jobs and how to engage the profitable international cooperation (Prof. Irina Yatskiv (Jackiva), TTI)*
- 2) (20min) **New educational program on intermodal connections** (Dr. Giannis Adamos, UTH)
- 3) (15min) *Assessing knowledge of stakeholders on sustainable interchanges' design and operation (Dr. Mihails Savrasovs, TTI)*
- 4) (20min) *SKILLFUL Project: Skills and competences development of future transportation professionals at all levels (Mrs. Matina Loukea, CERTH/HIT)*
- 5) (20min) *SKILLFUL Project: Training needs and skills gaps across the transportation sector. (Ms. Grace Moloney, UCD).*

Round Table with discussions between researchers and stakeholders invited by projects (30 min).

Focus:

- ✓ *How to facilitate stakeholder collaboration and the development of strong linkage among education, research and industry?*
- ✓ *How we can focus education, research and innovation activity on social and economic development?*
- ✓ *Balanced combination to the triplex of research/education, industry and policy makers, acknowledging the key role of society. How to increase related R&I impact and exploitation?*
- ✓ *How to identify the skills and competences needed by the Transport workforce of the future?*

Round table key participants

- **Inta Rozenšteine**, Department of Finance and Development Planning of Ministry of Transport, Deputy Director (Latvia)
- **Dr.Sc.Ing. Vaira Gromule**, JSC "Riga International Bus and Coach Terminal", Chairman of the Board (Latvia)
- **Evelina Budilovica**, Riga municipality (Latvia)
- **Mrs. Matina Loukea**, Hellenic Institute of Transport, (Greece).
- **Grace Moloney**, University College Dublin, (Ireland)

Questions from participants.

Round Table Rapporteur: Ms. Kristina Malnaca and M.A. Evelyn Fischer

Names of the session coordinator(s)

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Alliance Project (www.alliance-project.eu)

- *Prof. Irina Yatskiv (Jackiva), Transport and Telecommunication Institute, Riga, Latvia, Email: Jackiva.I@tsi.lv*
- *Dr. Giannis Adamos, Traffic, Transportation and Logistics Laboratory, University of Thessaly, Volos, Greece, Email: giadamos@civ.uth.gr*

SKILLFUL Project (skillfulproject.eu)

- *Mrs. Matina Loukea, Research Associate at the Hellenic Institute of Transport, Athens, Greece. Email: mloukea@certh.gr*
- *Ms. Grace Moloney, PhD candidate at University College Dublin, Ireland. Email: grace.moloney.2@ucdconnect.ie*

ALLIANCE is a H2020 funded project in the frame of TWINN activity (www.alliance-project.eu). The partners of the project are: Transport and Telecommunication Institute, Riga, Latvia (leader); University of Thessaly, Volos, Greece; Fraunhofer Institute for Factory Operation and Automation IFF, Magdeburg, Germany. The scope of ALLIANCE is the enabling of stimulating and strengthening the scientific and technological capacity of Latvia and the raising of the profile of the research staff and their institution, by providing knowledge in the field of smart interconnecting sustainable transport networks. This knowledge transfer will build the grounds for a common understanding of the main components affecting sustainable intermodality and support the selection and management of the most optimal and applicable solutions for transport interchanges.

SKILLFUL is a H2020 funded project (skillfulproject.eu) and its Consortium consists of 21 Partners, all with great experience and expertise in Transportation issues for all modes. The Coordinator of SKILLFUL is FEHRL (www.fehrl.org), while CERTH/HIT acts as its Technical Manager (www.hit.certh.gr). SKILLFUL vision is to identify the skills and competences needed by the Transport workforce of the future (2020, 2030 and 2050 respectively) and define the training methods and tools to meet. More particularly, SKILLFUL aim is threefold:

- i. to critically review the existing, emerging and future knowledge and skills requirements of workers at all levels in the transportation sector, with emphasis on competences required by important game changers and paradigm shifters (such as electrification and greening of transport, automation, MaaS, etc.);
- ii. to structure the key specifications and components of the curricula and training courses that will be needed to meet these competence requirements optimally, with emphasis on multidisciplinary education and training programmes;
- iii. to identify and propose new business roles in the education and training chain, in particular those of “knowledge aggregator”, “training certifier” and “training promoter”, in order to achieve European wide competence development and take-up in a sustainable way.