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Online roundtable 'Strengthening the training-employment link: teaming up to increase the competitiveness of European higher education' 26 January 2022





CESAER at a glance











Brief outline of my talk

- Identifying the drivers for change
- Responding to the challenges
- Partners of the journey
- Experiences from PoliTo and the European University Alliance Unite!

Part 1 – Identifying the drivers





Drivers

- Global challenges with local impact
- 2. Rapidly emerging key technologies
- 3. Changing geopolitical order
- 4. More complex expectation patterns













https://www.cesaer.org/news/research-and-education-communities-urged-to-unite-to-tackle-global-climate-challenges-1019/





Part 2 - Responding to challenges





Deciding our future

- Upcoming fundamental change of labour market on par with industrialisation
- Increasing need for re- and upskilling
- Departing from key technologies of tomorrow, not only needs of today
- Which model to pursue? Business-driven vs Global public good
- Learning and teaching for tomorrow: From 'finding the right answer' to 'understanding systems, contexts and trajectories'
- Empower teachers, learners and students as actors of change through:
 - Inter- and transdisciplinary education & training
 - Education and training for sustainable development and the GREEN TRANSITION

Challenge-based education and training







Key enablers

- Reaffirming and adhering to European values
- 2. Sustainable funding and long-term commitment
- 3. Empower researchers, learners and teachers to assume their role
- 4. Equality, diversity and inclusion in any ethical framework



https://www.cesaer.org/news/assuming-responsibility-for-key-technologies-965/





Part 3 - Partners of the journey





Working together for change

- From triple helix university, industry and government – to forming and nurturing interactions with diverse societal partners:
 - Non-governmental organisations
 - Not-for-profit organisations
 - Creative and artistic sector
 - Societal interests groups
- Support up/re-skilling → LLL incl. microcredentials
- Engage strongly with alumni
- From local to global and back again
- Advance research-based STEM education and training and boost the DIGITAL TRANSITION



https://www.immunology.org/news/connect-coronavirus-webinars

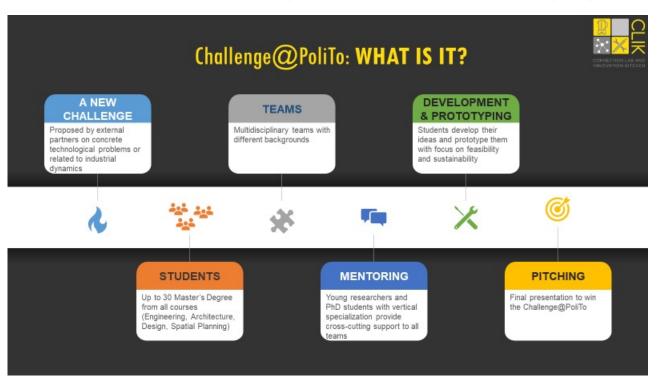




Part 4 – Some experiences from Politecnico di Torino and the European University Alliance Unite!



Innovative challenge-based teaching @ PoliTo



- ~500 students
- From 30 MSc courses
- ~20 external partners
- 100+ teams
- ~100 mentors
- Since 19/20 a.y.



Working with the Alumni @ PoliTo

- Mentorship
 Connecting senior Alumni (Mentors) with younger graduates (Mentee)
- Alumni Professional Corner
 In this online format, the guest is an Alumnus/a with several years of experience who shares details of his/her professional career with an audience that can interact with direct guestions after the speech. Series of 3-4 meetings per year, multidisciplinary

GIOVEDÌ 8 OTTOBRE 2020 ORE 17.30 SU ZOOM



Patrizia Tedesco ha sempre lavorato nel mondo dell'Information Technology.

Entrata giovanissima in Lavazza, ha ricoperto cariche di responsabilità e prestigio sempre più alte: da IT

Project Manager in ambito Supply Chain a responsabile dei progetti SAP, I'ERP aziendale nei

primi anni 2000. Nel 2008 diventa Deputy ICT Director estendendo la sua responsabilità ai temi

infrastrutturali, telecomunicazioni e Data Center, Da inizio 2011 a Aprile 2019 è stata il Global ClO di

Lavazza, con sede nell'HQ di Torino e responsabilità ICT su tutte le consociate italiane e estere del

Gruppo. Oggi el Tr Advisor presso la Lavazza e collabora con alcune società del settore IT.

ALUMNI PROFESSIONAL CORNER YOUNG
GIOVEDÌ 27 GENNAIO 2022 ORE 13:30 SU ZOOM

Introduce l'incontro Felice Vai, Presidente Alumni PoliTO



Federica Joe Gardella è architetta e dottoranda in Architettura. Storia e Progetto presso il Politecnico di Torino. A luglio 2021 ha conseguito con lode la Doppia Laurea magistrale inArchitettura Costruzione Città al Politecnico di Torino e Milano con la tesi dal titolo "Countdown to ATP Finals 2021-2025. Dentro l'azione", sul conto alla rovescia per le ATP Finals di Torino alla vigilia del primo anno dell'evento. Durante il percorso di laurea ha partecipato all'Alta Scuola Politecnica e al programma per Giovani Talenti. Parallelamente ha portato avanti la passione per il tennis competendo in Serie A1 fino al 2018. Attualmente è titolare nella squadra di tennis del Politecnico ai Campionati Nazionali Studenteschi.

Politecnico di Torino

[Courtesy of C. Chiasserini]

Entrepreneurship and innovation in the Unite! European University Alliance

- Unite! is a first-wave Alliance including TU Darmstadt (coordinator),
 PoliTo (H2020 project coordinator), Aalto U., KTH, INPG/UGA,
 IST/UL and UPC (forthcoming partners: TU Graz and Wroclaw UST)
- Among the aims of the Alliance:
 - to build a network of ecosystems and a community of Technology Transfer Centers;
 - to diffuse the entrepreneurship culture.
- Examples of ongoing activities:
 - Match-making events for ecosystem stakeholders and universities' TTOs
 - Development of a shared minor in entrepreneurship for Bachelor students
 - Development of shared lifelong study programs (e.g. on Technological innovation)
 - Development of ad-hoc set of courses in entrepreneurship and innovation for PhD students



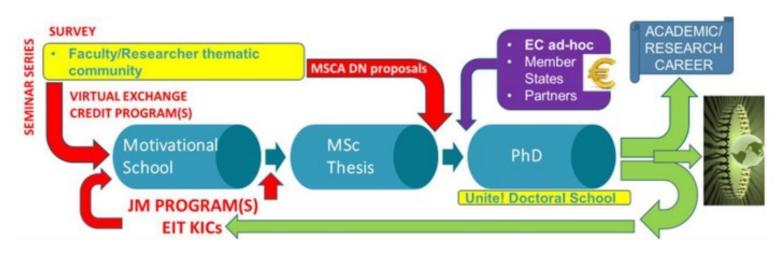
PhD employability in the Unite! European University Alliance: the natural link between education and R&I



- Embedding and serving the knowledge square
- To be modularly applied to the Unite! Focus areas (today Energy, tomorrow Al, Industry 4.0, ...) → UDS







More information on

cesaer.org

www.polito.it

https://www.unite-university.eu/

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