

Breakout Group Themes

(as developed from submitted education and training challenges)

Themes	Breakout Group Title	Some example components that might be considered	Facilitator
1. Offering technical/hands on training at a distance	1. Technical Training via DL	-Requires creative solutions to learning at a distance -E.g., Simulation, local tools -Different needs based on job roles, and evolving job roles	Eduard Podgaiskii
2. Overcoming technical and organizational/ practical challenges of online learning	2. Technical Challenges of DL	-Partially in infrastructure problem -Considering the use of both asynchronous and synchronous modes -Taking advantage of the benefits of face-to-face time -Also includes impacts to organizational structure and skill requirements, as well as learning schedules and process, such as the transition back to more traditional modes - Strategically utilizing both face to face and online modes for their unique values -Overcoming perceptions that online learning is of lower quality by default	Marina Baldi, Elena Rapisardi
3. Learning assessment	3. Learning Assessment	-Includes challenges of online learning assessment -Also includes reconsidering all forms of assessment to make them more authentic and well-aligned with expected outcomes -Formative and Summative assessment	Luciane Veeck, Tsvet Ross-Lazarov, Natasa, Strelec-Mahovic
4. Developing general online teaching skills	4. Online Teaching Skills	Many skills and challenges were mentioned by participants: <ul style="list-style-type: none"> • Diverse and new teaching team roles • New resource development skills • Identifying technologies required • Technical skills for using new tools 	Barbara Bourdelles, Roro Yuliana Purwanti, Vesa Nietosvaara

		<ul style="list-style-type: none"> • Access to successful examples to consider as models • Conversion from existing classroom courses • Pedagogical needs and options, for both online and classroom • Time requirements and developing efficiencies, communicating time requirements • Differences in synchronous and asynchronous online learning • Development and sharing of model courses 	
5. Enhancing communication and interaction in online learning	5. Enhancing Online Communication	-Includes facilitation and virtual learning environment management -Strategies for ensuring ongoing communications with and between students -Consider diverse needs and preferences for communications -Orienting students to online learning environment and unique characteristics	Mark Higgins, Bernie Connell
6. Collaboration in education and training	6. Collaboration	-Sharing resources -Collaborating on projects -Sharing challenges and solutions -Sharing model courses and curricula	Marinés Campos, Wanzhi Xu
7. Training evaluation and demonstrating value, including assessing costs of training	7. Training Evaluation	- Training evaluation for continuous improvement -Methods for evaluating impacts of training - Training evaluation for demonstration of value to stakeholders - Knowing true costs and cost benefits of training, as well as benefits of improving service delivery, are critical to demonstrate value	Liz Page, Heleen ter Pelkwijk

8. Addressing needs of diverse populations	8. Diverse Populations	<ul style="list-style-type: none"> -Includes Needs Assessment elements -Includes interdisciplinary elements -Includes diversity of skill levels and tools and infrastructures -Includes geographical diversity -Gender -Cultural differences -Future professionals 	Cancelled
9. Addressing new training needs to meet demands of changing professions and international standards	9. New Training Needs	<ul style="list-style-type: none"> - Includes needs assessment - Includes elements of managing the implementation of innovations 	Patrick Parrish