



Brief summary of the proposed Masterclasses

- 1. The multiple uses of artificial intelligence (AI) in Disaster Risk Management (DRM):** This masterclass explores how AI can revolutionise DRM, highlighting both its potential and the ethical considerations involved. It provides practical examples and encourages participants to work on a SWOT analysis of AI usage in a number of disaster scenarios.
- 2. Preparedness and resilience for managing the systemic risk of compounding disasters:** This masterclass describes strategies for increasing preparedness against complex disasters, using real-world examples like recent earthquakes and floods. It provides insights into reducing systemic vulnerabilities and incorporating dynamic risk scenarios into planning routines.
- 3. Population displacement in emergencies and the role of International Disaster Law:** This masterclass focuses on the intersection of International Disaster Law and emergency-induced population displacement. It provides an understanding of the legal framework and explores creative solutions to emerging humanitarian challenges.
- 4. Economics for investing in disaster prevention and preparedness:** This masterclass analyses the financial aspects of disaster management, using socio-economic data and case studies. It offers perspectives on evaluating economic impacts and strategies for building resilient economies.
- 5. Understanding and applying foresight in disaster risk management:** This masterclass engages participants in a foresight exercise to anticipate future EU risks. It provides a guided discussion platform to enhance predictive capabilities in DRM.
- 6. Can hybrid experts help bridge the science-policy gap?** This masterclass enables participants to experience first-hand the decision-making related to the different phases and scales of the DRM process, allowing them to interpret the three different roles of scientist, decision-



maker and hybrid expert (i.e. civil servants who have a solid expertise in both research and public administration).

7. **Developing a behavioural and risk communication approach that engages the public:** This masterclass provides practical examples and theoretical insights into effective communication that engages the public during crisis prevention, preparedness and response, addressing the challenges of science and policy integration.
8. **Cyber security incidents, blackouts, and energy disruptions as emerging disasters:** This masterclass focuses on cyber security incidents, blackouts, and energy disruptions as emerging disasters. It encompasses a diverse array of topics, ranging from comprehending the threats and vulnerabilities to formulating effective mitigation strategies and response plans.