**Eumetcal Workshop Open Space Discussion Topics (raised by participants)**

**Teaching and learning**

* What experience do you have in using 3D graphics in teaching weather issues
* How to make our events available to everyone by using the training calendars?
* Should we be collaborating a lot more between countries?
* Sharing experiences in reusing materials others have developed.
* Do we need a common framework for how courses should look?
* How to allow conference attendees to network effectively.
* How do we make online training more engaging?
* What tips are there for those completely new to online teaching?
* How can we make sure students are working independently in online learning?
* What distance learning tactics can be used WITHOUT a computer?
* How can we make training efficient for trainers?
* How to share benefits of meetings of trainers with our managers?
* What are the best formats and methods for training forecasters?
* How do we motivate learners/forecasters to learn outside their comfort zones?
* What recent innovations have you implemented? What new tools did you try in 2020?
* How can we make more training material available for colleagues and prevent double work?
* How can this community continue to support one another? How do we find each other and how do we communicate? What support is necessary?
* How can we exchange ideas and resources and ask questions of one another?
* What are the best ways of assessing training needs?
* How do we engage the youngest colleagues in the learning process?
* What are the pros and cons of virtual learning and face-to-face learning?
* What will be the impact of our training?
* Manifesto for teaching online 2016, University of Edinburgh: <https://blogs.ed.ac.uk/manifestoteachingonline/the-text/>

**Training topics needed for forecasters and others**

* What new will there be in Nowcasting in the next 10 years?
* How do we teach meteorological communications/media interactions?
* What should be in a Space Weather course?
* How does freezing snow and drizzle form, and how can we forecast it?
* What is the role of aerosol concentration in wintertime freezing precipitation from St/Sc clouds?
* Communication/conversation is getting more important.
* Learning from decision makers is important.
* Learning Ensemble Prediction Systems is important.
* Need training on how new forecast systems work.