Suggested discussion questions

1. What role of ML can play in strongly coupled DA ? How does it compare with traditional approach, e.g. **balance operator based on ML vs based on physical laws**

2. Should future systems jointly assimilate atmosphere, ocean, sea ice and biogeochemistry ? **What could be the bottleneck?**

3. Are Gaussian assumptions a limiting factor in the strongly coupled DA approach ?

4. Different flavours to achieve coupled DA – by design of the DA iterations, by coupled obs oper, balance operator, or ensemble approach, **any missing component**?