Audience discussion 3:

1. On the spectrum of ~~pure~~ DA, hybrid DA and end-to-end where are the pros / cons considering:

    - Accuracy for forecasts / reanalysis
    - Complexity of workflow / HPC requirements (affordable!!)
    - Future expansion to full Earth system
    - Future sustainability and clear improvement trajectory (R2O, human resource)

2. Where do we agree ?
    - Observations are useful!
    - ML is useful!
    - There is a useful latent space describing the atmosphere
    - A physical model (dy/dx) model would be useful (for operations ? For research ?)

3. Where do we disagree ?
    - End to end vs separate DA / FC systems ?
    - Are academic and operational communities diverging ?

