

Global and Regional Chemical Forecasting and Analysis using CAM-chem, Data Assimilation and WRF-tracer for KORUS-AQ

Louisa Emmons, NCAR



Gabriele Pfister, Jérôme Barré, Benjamin Gaubert, Pablo Saide,
Rebecca Buchholz, Christine Wiedinmyer, Helen Worden, David Edwards

The following products will be provided daily for flight planning throughout the campaign:

- Maps of global satellite retrievals of CO profiles and columns from the MOPITT and IASI instruments
- Maps of daily global fire emissions from FINN, focusing on East Asia
- Global full chemistry forecasts including the assimilation of MOPITT CO
- Forecasts of chemical tracers from various source regions and types from CAM-chem (at 0.25°) and WRF (at 3 km over Korea)



Gabi



Jérôme



Ben



Pablo



Rebecca



Helen



Christine



David