

*Questions, Comments and Answers following the presentation*

*Water vapor forecasting on Chilean sites*

Julio Marin

Masciadri: *Which initialization do you use?*

We used GFS forecasts at 0.5 deg. x 0.5 deg. to initialize the simulations shown in the presentation. That is why I need to use a first domain at 27 km x 27 km resolution. Currently, we are using GFS forecasts at 0.25 deg x 0.25 deg. Thus, we can start the model just with 3 domains at 9, 3 and 1 km resolution.

Altavilla: *Just a curiosity. I do not know much about weather forecast. The rectangular domains used in the forecast are west-east oriented and larger toward west because this is a dominant direction, isn't it?*

The dominant large-scale flow that affects the region comes from the West. In addition, we try the smallest and high-resolution domains to be located to the West of the Andes, far from the highest Andes peaks, to avoid instabilities that could happen due to the flows over complex topography.