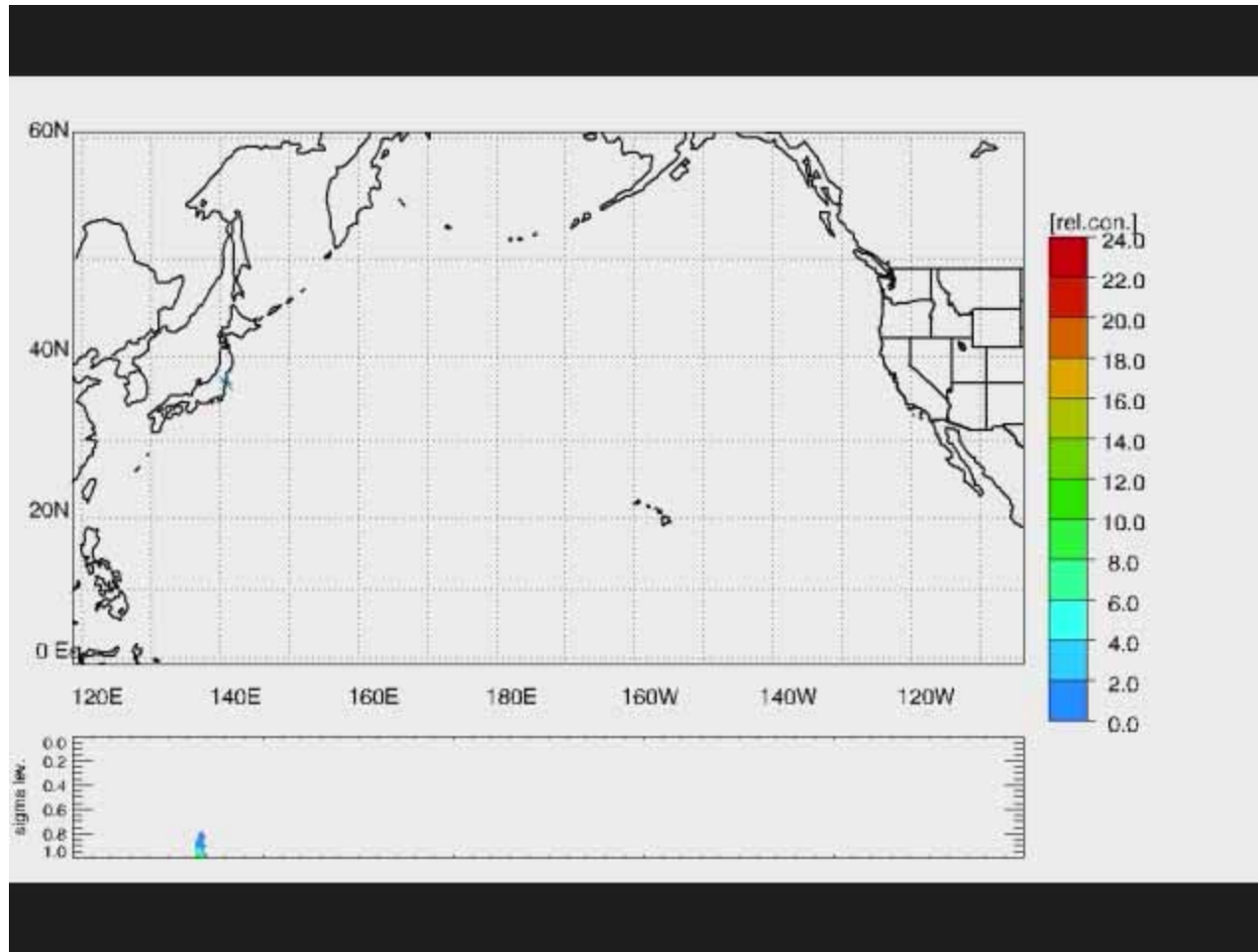


RCM and Air Quality Modeling interaction: Ensemble forecasting system

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Integration with Air Pollution Models



Japan Radiation Plume: 03/12 – 03/18; Meteorology from WRF-30km + Dispersion Model

- Radiation plume evolution based on DRI Turbulence-Dispersion model forced with GFS+RCM (nudging)-1/3 arcdeg , March 12-18, 2011.
- Assumptions include long-lived radiation pollutants and not wet deposition.
- Our research plans include to implement our Dispersion/RCM interoperability capabilities to discriminate Western hemisphere background-episodic radiation signals associated with the plume from Japan's nuclear reactors explosion on the 11 March, 2011 Tsunami/Earthquake.
- Towards the implementation of a near-realtime ensemble forecasting system.