

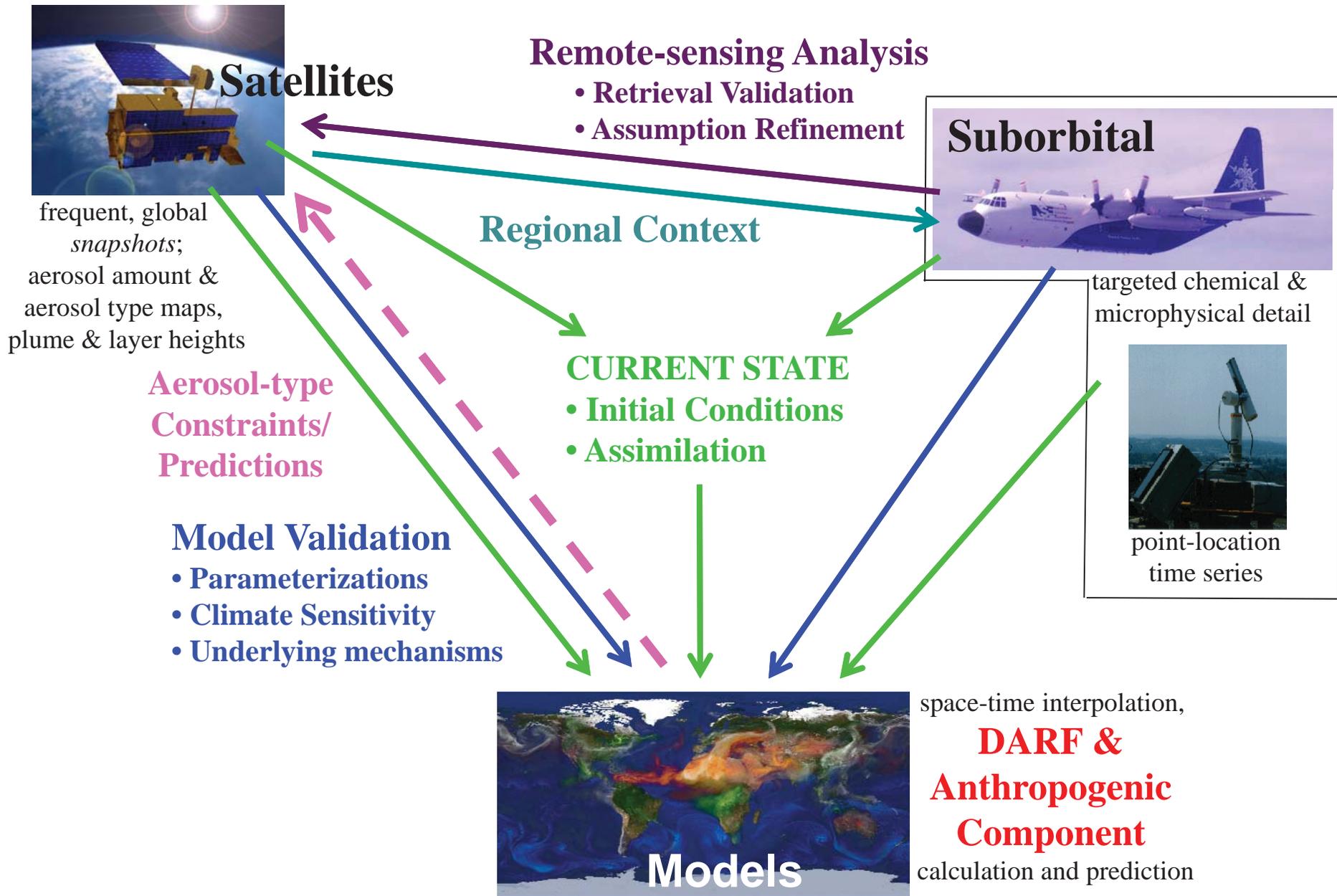
Discussion:

Satellite-Model-Ground-based Inter-comparisons (WG-3)

GOALS

- ***Identify information content*** / provide thorough characterization and documentation of the limitations and strengths of each satellite and also ground-based *aerosol retrieval products*
[see also WG-2, WG-4]
- Suggest ***approaches to*** achieving the widest benefit from ***comparing and integrating*** *in situ* data with satellite and ground-based remote sensing data, ***and with models***

The value of Aerosol Measurement & Model Integration is Clear...



Adapted from: Kahn, Survy. Geophys. 2012

Satellite-Model-Ground-based Inter-comparisons (WG-3)

Discussion Questions

Beyond what is already being done:

1. Are there additional aerosol *data product validation steps or product modifications* that would improve *satellite-suborbital data integration**?
2. Are there additional aerosol *data product modifications* that would improve *measurement-model integration*?
3. Are there specific additions to *data product documentation* that would *improve their use in models*?
4. Are the *new method or procedure ideas* for measurement-model integration that should be explored?

**Integration* can include comparisons, constraints, assimilation, & communication