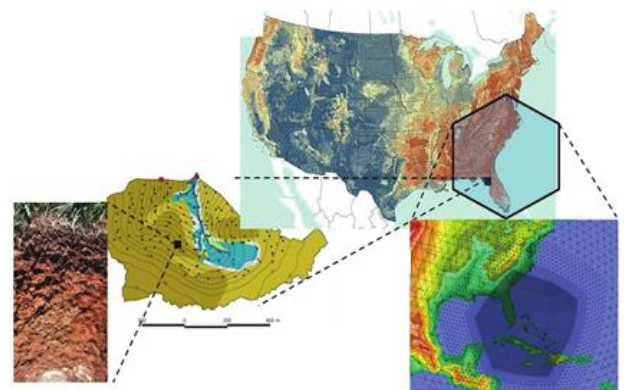
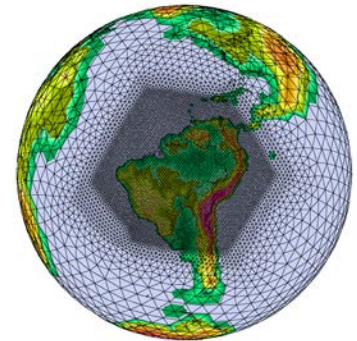


**The OLAM-SOIL project:** *Linking OLAM (Ocean-Land-Atmosphere Model) with an Advanced Soil Modeling Platform (ASMP) for soil-centered representation of large-scale land-atmosphere interactions*

- OLAM is a state-of-the-art global model that features local mesh refinement and a full set of physical processes (e.g., dynamics, radiative transfer and precipitation) designed for global, mesoscale, and microscale land and atmosphere simulations.
- OLAM was originally based on RAMS but employs more advanced numerical algorithms and sophisticated grid representations.
- Soil and groundwater capabilities of OLAM are being revised in a project called: OLAM-SOIL
- The goals are to improve land-atmosphere interactions in OLAM-SOIL by incorporating advanced representation of soil processes, towards a new global *Advanced Soil Modeling Platform (ASMP)*
- Zooming capabilities and handling of soil and subsurface processes makes OLAM-SOIL an ideal tool for regional studies centering on soil processes (e.g., irrigation water management, future crops, etc.)
- The OLAM-SOIL project was conceived in collaboration with *GEWEX-SOILWAT* initiative and the International Soil Modeling Consortium (*ISMC*)
- OLAM-SOIL development is a collaboration between University of Miami, Forschungszentrum Juelich GmbH; International Soil Reference and Information Centre and ETH Zurich.
- In the near future, additions will include plant functional types, detailed groundwater modeling, and biogeochemical soil processes. At the small scale, we plan to reconcile infiltration capacity and evaporation resistances at the subgrid scale as effective parameters for OLAM-SOIL scale



- **Training workshop on OLAM-SOIL: New Orleans** part of the **AGU fall meeting** (December 9, 2017)
- **Venue and Schedule:** Hilton New Orleans Riverside, 9:00 to 17:00 (catered lunch/coffee breaks)
- **Instructors and format:** Drs. Robert Walko, Simone Fatichi and Stefan Kollet – demonstrations and hands-on examples (instructions for model pre-uploading will be provided to the registered participants)
- **Participation:** by invitation only (apply to [dani.or@env.ethz.ch](mailto:dani.or@env.ethz.ch) before **October 20, 2017**) free of charge

**The OLAM-SOIL Team**

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