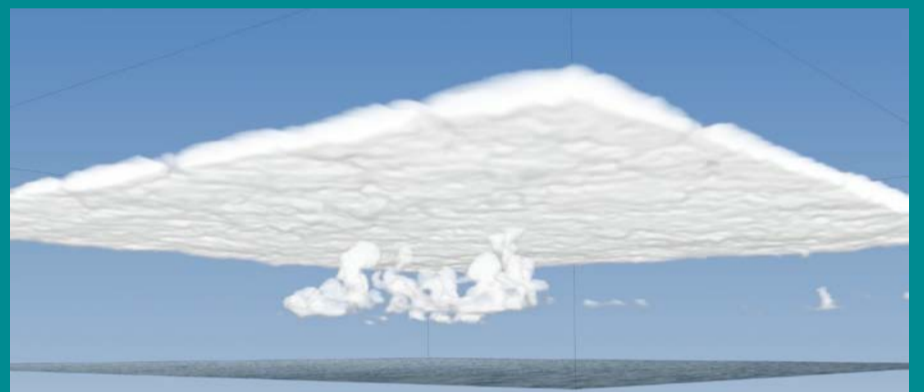
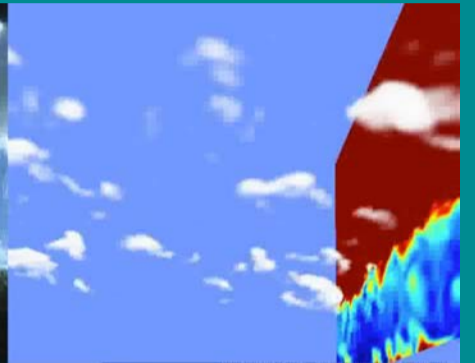


Compute your own Weather Forecast on a Laptop

A new course "From Field Observations to Modeling" (CIE5701)



Background

A Large-Eddy Simulation (LES) model uses a grid resolution (~1-100 m) that is much higher than applied in traditional weather forecast models (~5-30 km). An LES model can therefore well capture the effect of turbulence on cloud formation and wind speed.

Current application areas of LES include wind and solar energy predictions, and it is used for studies on clouds and air pollution.

What's new?

Learn to use observations to set-up and validate results from the Dutch Atmospheric Large-Eddy Simulation model.

Study the effects of turbulence, radiation and rain on the atmosphere.

Learn to tackle the cloud forecasting problem (fog, cumulus and stratocumulus).

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