

Seminar “Physics and Chemistry of the Atmosphere”,
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Sea-ice and snow thickness: Assessment and trends

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Sea ice and its thickness are key elements of the polar climate system in both hemispheres. Sea-ice thickness is being monitored routinely from space by altimeters since the mid-90s. The advent of new altimeters and radiometers since 2010 has produced a wealth of sea-ice thickness datasets. Yet, a large-scale assessment of these datasets is missing so far. We undertook the effort of collecting datasets provided by the community and harmonised them to the same geographical extent, projection and grid spacing. A consistent set of metadata facilitates usage. In my talk, I will introduce the platform and showcase results from our assessment.