

Séminaire

Mercredi 14 Janvier 2015, 10h00

salle L. LLiboutry, LGGE

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Darkening Greenland ice: integrating a spectrum of climate change processes

A key element to the Northern cryosphere, regional ocean circulation and global sea level, Greenland ice reacts to and indicates climate change. This presentation reviews a number of processes promote the climate response of Greenland ice, including its surface darkening. Our knowledge of the 'dark snow phenomenon' benefits from a wealth of satellite and ground observations and through the latest atmospheric data assimilation models. This talk presents several recent insights of the sensitivity of Greenland ice to climate change in context of the surface reflectivity. No matter the future climate state, Greenland ice will continue to compete among several other top climate elements that capture our attention.