

**Séminaire**  
**Jeudi 21 novembre 2013, 14h**  
**LGGE, salle L. Lliboutry**

**Gianpaolo Balsamo**

**Centre Européen pour la Prévision Météorologique à Moyen Terme**

**Snow in ERA-Interim/Land global reanalysis:  
evolution from 1979 to present and skill evaluation**

Résumé:

ERA-Interim/Land, a global land-surface dataset covering the period 1979-2010 is evaluated for its northern hemisphere snow cover and snow depth performance. ERA-Interim/Land is the result of a land-surface simulation using ECMWF land surface model, forced with meteorological fields from ERA-Interim reanalysis and precipitation adjustments based on GPCP v2.1. The impact and relative importance of snow modelling accuracy and meteorological forcing will be discussed. Comparison with ground-based and remote sensing observations made to assess the quality of ERA-Interim/Land will be presented together with preliminary results on trends and anomalies.