

SEMINAIRE CNRM / GAME

N° 2014_13

jeudi 26 juin 2014 à 14h30

THE NON-LINEAR ENSO

par **Claudia FRAUEN (GMGEC/ASTER)**

en salle Joël Noilhan

Résumé :

The El Niño Southern Oscillation (ENSO) is the most important mode of climate variability on interannual time scales and has global impacts. Although the understanding of ENSO has improved greatly in recent decades, there are still aspects of ENSO that are not yet well understood, one of them being the non-linearity of ENSO. A lot of studies have addressed the non-linearity of ENSO in terms of the amplitude of events. This has mostly been attributed to non-linear ocean dynamics. However, in this presentation I will show that atmospheric feedbacks also play an important role. Further, I will show that non-linearities also exist in the spatial pattern and time evolution of ENSO events and discuss, how the variations in the spatial patterns influence ENSO teleconnections.