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*'Intermediate complexity models :  
applications to carbon cycle processes in  
past climates'*

**Wednesday, 23th March 2022 @ 14h**

online: <https://ent-services.ens-lyon.fr/entVisio/quickjoin.php?hash=e77e029dfb2d19e4382a8765a26c4c5f4888f7b37005616ae290b561053d537b&meetingID=8657>

on site: Amphi L, ENS-lyon

A brief introduction to Earth system models of intermediate complexity, how they differ to more (or less ) complex models and why they are interesting. I include some examples of my work, that are based on the question of the effects of past warmer or cooler climates on carbon cycle processes. These examples are: The Miocene – the biological carbon pump and the effect of warmer temperatures; The last deglaciation – permafrost, and thawing of carbon-rich soils.