



Département de recherche
Sciences de l'environnement / université de BORDEAUX

14
novembre
2023

10h30



Vincent Jassey

Sphagnum-metabolite turnover and its influence on peatland C dynamics

CNRS, Université de Toulouse III, France



UMR ISPA, salle des conférences, Bât. C1, INRAE, 33140 Villenave-d'Ornon



[Zoom meeting](#) | ID : 830 0451 7971 | Passcode: 871599



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<https://vjasseyecology.wordpress.com/>

In peatland ecosystems, Sphagnum communities mediate a globally significant carbon store, likely driven by a combination of recalcitrant organic-compound (e.g. polyphenols) production and the release of metabolites that hamper microbial activity in the soil. The effects of climate changes on plant assemblages are expected to determine how ecosystem functions such as carbon uptake and sequestration will respond.

In this seminar, I will present the results from different strands of studies focussing on the relationships between Sphagnum species composition, their metabolomic composition, microbial diversity, food web structure and functions, as well as climatic drivers such as temperature and precipitation.

My overarching goal is to provide evidence for general patterns in species taxonomic, functional and metabolomic turnover along environmental gradients, and help to improve our understanding of the linkages among community assembly properties in a changing climate.

<https://us06web.zoom.us/j/83004517971?pwd=2ScGTQll3tgtuSh2tZhzqyKTmTASn6.1>



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