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LandTrans Simulator - A modular system of terrestrial models

Wednesday 6 March 2024 10:45 (2 hours)

LANDTRANS is a modular UFZ model system which is envisioned to form the basis for exploring land management strategies that have the aim to provide renewable resources in sufficient quantity and quality, while at the same time not impairing or even improving important ecosystem functions and their underlying biodiversity. Thus, LANDTRANS is a crucial tool for studying multifuntional landscapes and especially the scientific monitoring of the agricultural transition.

LandTrans modules are supposed to simulate soil functions, biogeochemistry, water and matter flows, productivity and biodiversity under land use (especially management) and climate change (influence of extreme events) on high spaital resolution for Germany and Europe, analyzing and predicting the effects of land management scenarios - embedded in socio-economic scenarios.

With this breakout session we aim to give all interested Topic 5 members the opportunity to get informed about the current status of the LandTrans Initiative. We invite participants to discuss with us possible model applications or sharing data products we generated already.

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Session Classification: Breakout Sessions