

Phase I

Basic inputs for LULC reconstructions

14C-based estimates of population development

Date of first agriculture

Land use maps at specific times

Livestock maps

Synthesis of per-capita land use

Phase II

Evaluation of LULC reconstructions

Pollen-based LC maps

Mid-Holocene climate reconstructions

LULC scenario construction

Transient BGC simulations forced with simulated climate

Holocene C budget

Phase III

ESM simulations with LULC forcing

Mid-Holocene LULC

Past1000 sensitivity experiment

Holocene LULC transient

Sensitivity to LULC with additional Holocene forcings

BGC sensitivity to alternative LULC implementations