

Mapping the sensitivity of AMOC in a hierarchy of configurations

Fully-coupled configurations

AMOC is a coupled phenomenon and has a long emergence timescale

FOSI simulations

Limited feedback but shorter emergence timescale and more samples.

Persistent low AMOC but additional insights.

Idealized test case

Simplified dynamics; low cost and fast adjustment timescale.

Surrogates

Requires large ensemble for training; Allows interpolation and extra samples







