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## Modelled and observed teleconnections between Indo-Pacific rainfall and extra-tropical flow regimes

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Teleconnections between rainfall in the Indo-Pacific region and extra-tropical flow regimes during the northern-hemisphere winter are investigated using observational/re-analysis datasets and ensemble reforecasts from the ECMWF seasonal forecast System 4. Connection between Indian Ocean rainfall and flow regimes with a positive NAO index are well simulated by the ECMWF model in the first month of the integrations, when the model also reproduces some non-symmetric aspects of the regime response (eg on the frequency of blocking). However, the teleconnections with the flow in North-Atlantic sector are substantially weakened already during the second month of integration. The possible sources of error in the coupled model affecting the intensity of the teleconnections are discussed.