

Storylines for North Atlantic Climate Change

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How might North Atlantic Ocean and Atmosphere circulation change in the next few decades and how might these changes affect the UK and Europe? Storylines (Shepherd et al, Climatic Change, 2018) offer an approach to explore possibilities in ways that are relevant to decision makers (e.g. those concerned with adaptation and resilience) and informed by diverse information sources (e.g. physical understanding, model results, observations). We are developing a set of storylines for potential changes in the North Atlantic over the next few decades including the possibility of high impact changes, which are a specific concern for the next UK Climate Change Risk Assessment (CCRA3). This ongoing research draws on, and draws together, many different strands of work in the ACSIS programme. We will report on progress so far.