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### ***Developing projections of the future state of Southern Ocean ecosystems: incorporating uncertainties associated with climate variability and change in CCAMLR's decision making***

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The Integrating Climate and Ecosystem Dynamics (ICED) Programme is developing analyses of the structure and functioning of Southern Ocean ecosystems, with a major emphasis on assessing and projecting the impacts of change. The CCAMLR Scientific Committee (SC-CCAMLR) has also identified climate change information as an important component in the development of future conservation and management measures. This presentation will report on the ICED Projections Workshop. This multidisciplinary workshop, developed jointly with CCAMLR, will be held prior to the MEASO2018 meeting and will focus on change in the Antarctic Peninsula and Scotia Sea region (CCAMLR Area 48). The main aim of the workshop is to develop the process for generating projections of future change that will be used to useful in CCAMLR's conservation and management decision making for the Southern Ocean ecosystem and associated fisheries. This will involve a review of available physical and biological scenarios and identification of the key processes influencing krill availability to predators and fisheries. This information will be used to develop models and associated projections of the impacts of change in Southern Ocean ecosystems. This is an important step in an ongoing collaborative process to develop projections of change and assess the implications for Southern Ocean ecosystems and the fisheries they support in a form that can be usefully applied to inform conservation and management decision making in the region.