



Lead Author e-mail: jan.rene.larsen@amap.no

Title: *Adaptation of Actions for a Changing Arctic (AACCA)*

Lars-Otto Reiersen¹

¹*Arctic Monitoring and Assessment Programme (AMAP)*

At the meeting of the Arctic Council's Deputy Ministers in 2012 in Stockholm, they defined the overall goal of the 'Adaptation of Actions for a Changing Arctic (AACCA)' as 'To enable more informed, timely and responsive policy and decision-making related to adaptation action in a rapidly changing Arctic.' As part C) in the section on 'AACCA Deliverables, Leads and Timelines', this is further detailed as 'to consider Arctic-focused climate and integrated environmental frameworks/models that can improve predictions of climate change and other relevant drivers of Arctic change. This would support the goal of obtaining better predictions to inform the development and implementation of adaptation actions by Arctic Council members and Permanent Participants.' AMAP is asked to lead this work in collaboration with other Working Groups and scientific organizations as appropriate.

In the first response to this request, AMAP notes that many different stressors are impacting the Arctic ecosystems, societies and humans due to climate change, the global need for more resources to feed and support the growing global human population, the call for a better living standard, etc. The melting of the sea ice and thawing of the permafrost are examples of elements that are changing much faster than predicted only a few years ago; thus, the Arctic countries and their people have to prepare for a future that may look very different from what we have today.

Several analyses of conditions in the Arctic and scenarios of how the near-future may develop have been performed over the past two decades related to, for example, climate change, pollution, human health, issues faced by indigenous and local peoples, Arctic economy, biodiversity, shipping, and oil and gas activities. All of these reports and others that have been published in scientific articles and national reports will be assessed and utilized in this upcoming work. However, there are some important issues and areas that have not been analyzed to the degree necessary to support adaptation responses to multiple stressors; it is these issues that AMAP will provide new emphasis to during this work which will allow for integration of findings from all relevant drivers of change and ultimately more effective adaptation actions by the relevant decision-makers.