Annika Carlsson Kanyama, Per Wikman-Svahn and Karin Mossberg Sonnek, 2019, “We want to know where the line is”: comparing current planning for future sea-level rise with three core principles of robust decision support approaches, *Journal of Environmental Planning and Management,* published online: 31 Jan 2019.

Abstract Handling uncertainties is a major challenge in climate change adaptation. A variety of robust decision support approaches that aim for better management of uncertainty have recently been emerging and are used in environmental planning. The present study examined to what extent existing processes of planning for future sea-level rise in Sweden utilised similar approaches. Three core principles of robust decision support approaches were identified and used as a tool for analyzing five cases of planning for future sea-level rise in companies and authorities at different levels in society. The results show that planning processes typically do not embrace uncertainties, do not use a bottom-up approach and do not specifically aim for robustness, which points to a discrepancy between current planning paradigms and the core principles of robust decision support approaches.

Keywords Adaptation, robust decision making, uncertainty, bottom-up