



The Climate Service Market in the Critical Energy Infrastructure Sector

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The case study, which will be presented, is part of the H2020 flagship project MARCO and investigates the actual and potential market for climate services in the electricity subsector of the critical energy infrastructure sector in Germany. Critical energy infrastructures in general, and electricity infrastructures in particular, are of pivotal importance for almost all parts of society. Due to their interdependent nature, cross-border dimension and high socio-economic importance, their protection from climate-induced threats has to play a major role at all steps along the value chain. In this respect, climate services are the right tool to support the energy sector to reduce its climate-related risks, to adapt to climate change and to increase its resilience. The results of the case study – obtained via interviews and desk research – indicate, however, that little seems to be known about the existence of climate services. While the use of weather services is largely common in order to plan, control and undertake daily activities and operations, the actual use of climate services in the electricity subsector is rather low. Based on a variety of analyses applied, we present insights into the current and potential market for climate services, present the subsector's specific vulnerabilities and give 4 final recommendations, which could help enhancing climate service take-up within the electricity subsector and beyond.

MARCO has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730272