

Göran Ronsten - SWEDISH COLD CLIMATE WIND ENERGY PROJECTS

Background: Numerous large scale wind energy projects are currently being deployed in Northern Sweden. Icing is a major challenge for many of the developers of these sites. To fulfill EU's target regarding an increased share of renewable energy by 2020, the Swedish Energy Agency has granted funding to many Cold Climate (CC) wind pilot projects. CC related technologies are being developed and extensive icing measurements will back up the development of modelling forecasting and mapping of icing. Additionally, many CC projects are to be built without governmental support, which indicates an urgent need for currently unavailable mature technical solutions to the icing issue.