



Winterwind

INTERNATIONAL WIND ENERGY CONFERENCE

Program Monday February 2 Everyone is welcome to Monday's program

09:00-18:00 **Registration**

9:45 -16:00 **Field trip** – *Registration is required*
Site visit to Jenåsen

10:15-12:15 **Hydrogen seminar** – *Sidsjön*

Moderator: Sevide Denli, Swedish Windpower/Bodecker Partners

Society value from project development, *Robert Östman, Libra Horizon, SE [50]*

Ånge - A Case Study, *Alexandra Angelbratt, RES Nordics, SE [46]*

Why Co-Located Hydrogen Changes the Economics of Wind Power, *Axel Alm, Hyrizeon, SE [51]*

Green Hydrogen in Ljungby, *Finn Kofoed-Dam, Strandmöllen, SE [45]*

From Green Hydrogen and Biogenic CO₂ to Sustainable eFuel, *TBD TBD, Liquid Wind, SE [47]*

Panel discussion

12:00 (12:15) - 13:00 **Lunch on your own**

13:00-14:45 **Grid seminar** – *Sidsjön*

Moderator: Lisa Ek

Using Dynamic Line Rating to minimize curtailment of Wind power connected to rural power networks, *Magnus Lindström, Griddiagnoze, SE [40]*

How different flexible consumers influence the performance of Windfarms in SE2, *Lukas Pfeiffer, Gridmetry, DE [41]*

Monitoring of cross-zonal transmission capacity in the Nordic countries, *Patrick Luickx, The European Union Agency for the Cooperation of Energy Regulators (ACER), SI [54]*

The Swedish TSO - Svenska kraftnät, *Tobias Edfast, Svenska kraftnät, SE [53]*

14:45-15:00 **Break**

15:00-17:00 **Storage seminar** – *Sidsjön*

Moderator: Lisa Ek

Integrating BESS into Operational Wind Farms – Practical Lessons from Sweden's Hybrid (Wind + BESS) in cold climate, *Daniel Eliasson, Ramboll, SE [29]*

CATL - Battery cell development, *Xiaoyang Yu, CATL, CN [44]*

Grid forming BESS from Huawei, *Zhen Liu, Huawei Technologies, SE & CN [55]*

Ingrid Capacity - Storage in Action, *Arvid Liljeqvist, Ingrid Capacity [56]*

18:00 - 19:00 **Opening session** – *Exhibition area* *Moderators: Lisa Ek and Per Olofsson*

Hans Forsberg, Sundsvall Municipality

When the wind turns: four paths to reducing opposition to wind power, *Eric Luth and Daniel Lindvall, Fores, SE*

[52] The benefits of icing forecasts in day-ahead and intraday markets: a theoretical case study from Finland, *Pia Isolähteenmäki, Kjeller Vindteknikk/Norconsult, FI [27]*

19:00- **Dinner on your own**

13:00-16:15 **IEA Task 54 seminar** – *Utsikten*

Moderator: Patrice Roberge

WORKSHOP: IEA Task 54: Wind turbine and blade heating performance subtask, IceLossMethod 2.0 and new site Icing classification update, *Patrice Roberge, Icetek, CA [21]*

15:00-16:15 **IEA Task 54 seminar** – *Utsikten*



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Tuesday February 3

08:00-09:00 Exhibition and registration

09:00-10:00 Ice throw – Visionen

Chairs: Sara Koller and Robert Östman

Sensitivity analysis and recommendation of wind turbine risk assessment parameters, *Alper Sevim, DNV, DE (13)*

Improving Site-Specific Wind Turbine Icing Estimates for Risk Assessment, *Gerlinde Jung, F2E Fluid & Energy Engineering GmbH & Co. KG, DE (16)*

A novel multisource approach for handling icing risk for personell working in the wind farm, *Sigmund Guttu, Norconsult, NO (35)*

09:00-10:00 Icing measurements – Kosmos

Chairs: Lisa Eklund and Dylan Baxter

SCADA, Ictek IC-1 and Ceilometer - Agreement or discrepancies?, *Franziska Gerber, Meteotest, CH (22)*

Quantitative metrics for icing events severity assessment, *Charles Godreau, Nergica, CA (19)*

From Landline phones to Smartphones: Rethinking Icing Measurements for the Site Assessment of Modern Wind Farms, *Patrice Roberge, Ictek, CA (20)*

10:00-11:00 Break

10:15-10:45 Poster session – Exhibition area Chair: Märta Selander

Powering a neutrino telescope with renewables at Summit Station in Greenland, *Vera Schorbach, Hamburg University of Applied Sciences, DE (10)*

Coatings for wind and solar: ice and hail protection in winter environments, *Matiss Sivins, Phazebreak Coatings, LT (37)*

11:00-12:30 Plenary session Moderator: Lisa Ek – Visionen

Keynote: Synergies in Atmospheric Icing: From UAVs to Wind Energy Systems, *Richard Hann, Norwegian University of Science and Technology NTNU, NO (3)*

Risk and insurance challenges of operating wind and solar farms in cold climates, *Jan Willem Hoogenboezem, Marsh (38)*

IEA Wind Task 54: Global cold climate wind market size, *Timo Karlsson, VTT, FI (24)*

12:30-14:00 Lunch

13:25-13:55 Poster session 2 (11) – Exhibition area Chair: Mona Kurppa

Using Dynamic Line Rating to minimize curtailment of Wind power connected to rural power networks, *Magnus Lindström, Griddiagnoze, SE (40)*

How different flexible consumers influence the performance of Windfarms in SE2, *Lukas Pfeiffer, Gridmetry, DE (41)*

Wind turbine blades and reducing lightning damage through retrofits, *Aaron Jones, Lightning Diversion Systems, DE (49)*



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Tuesday February 3

14:00-15:00 Drones – Visionen

Chairs: Franziska Gerber and Timo Karlsson

Session title (TBD): From Drones to Wind Turbines: Shared Challenges in Atmospheric Icing”, *Richard Hann, Norwegian University of Science and Technology NTNU, NO (4)*

Inhousing blade inspections with drones, *Kaspars Litavnieks, Perceptual Robotics, UK (7)*

Micro-CT imaging of icing on wind turbines, drones and marine structures, *Sönke Maus, Norwegian University of Science and Technology NTNU, NO (15)*

15:00-15:45 Break

15:45-17:00 Forecasting losses – Visionen

Chairs: Erika Dahlin and Richard Hann

Icing Forecasting for Wind Energy, *Karl Thunell, rebase.energy, SE (1)*

Predicting energy production and icing losses in operating wind farms with AFRY DAPS – physics-based and data-driven modelling, parameterization and weather forecasts, *Helmi Uusitalo, AFRY Finland Oy, FI (11)*

Machine Learning or Deep Learning? The Role of Ice Sensors and Weather Forecasts in Wind Turbine Icing Prediction, *Jonathan Nixon, Coventry University, UK (31)*

Physical models versus machine learning methods in day-ahead icing forecasts, *Mona Kurppa, Kjeller Vindteknikk/Norconsult, FI (23)*

17:00-18:00 Exhibition break

17:15-17:45 Poster session – Exhibition area Chair: Sevide Denli, Svensk Vindkraft/Bodecker Partners

Integrating BESS into Operational Wind Farms – Practical Lessons from Sweden’s Hybrid (Wind + BESS) in cold climate, *Daniel Eliasson, Ramboll, SE (29)*

Future Trends and Economic Impact of Icing Losses in Wind Energy, *Jennie Molinder, Kjeller Vindteknikk, part of Norconsult, SE (42)*

17.45-18.30 Leisure time

18.30-19.00 Welcome drink Exhibition area

19.00- Conference dinner Restaurant

14:00-15:00 Icing measurements 2 – Kosmos

Chairs: Anne Mette Nodeland and Charles Godreau

Heat only when it matters: Wireless sensors for precision blade heating, *Thomas Schlegl, eologix-ping, AT (33)*

The influence of heavy icing on blade edgewise vibrations (BEV), *Daniel Brenner, Weidmüller Monitoring Systems GmbH (WMS), DE (2)*

Modelling and predicting wind turbine performance in cold climates, *Torben Tvedebrink, Vestas, DK (25)*

15:45-17:00 Lidar measurements – Kosmos

Chairs: Vera Schorbach and Nils Lehming

Performance evaluation of pulsed vertical profiling lidars in clean air alpine environments, *Hazem RABHI, VAISALA, FR (8)*

Availability of wind-LiDAR measurements at alpine locations, *Alexander Stökl, Energiewerkstatt, AT (12)*

IEA Wind Task 52: Advancing Wind LiDAR in Cold Climates, *Sara Koller, Meteotest, CH (17)*



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Wednesday February 4

08:00-08:30 **Exhibition and registration**

08:30-09:30 **Ice Protection Systems** – *Visionen* Moderator: *Lisa Ek*

Keeping Blades Ice-Free: Inside the Vestas Anti-Icing System,
Stephen Jude Buggy, Vestas Technology, UK [6]

Practical retrofit process for wind turbine ice protection systems, *Paulius Sarapnickis, FabricAir, LT [36]*

Field Validation Nordex Delta4000 Anti-icing System, *Nils Lehming, Nordex, DE [18]*

09:30-10:15 **Break**

09:40-10:10 **Poster session 4 (19)** – *Exhibition area* Chair: *Sónia Liléo*

A new market reality for the wind power industry calls for active approach, *Lisa Eklund, W3 Energy, SE [43]*

Icing effects on airborne wind energy, *Noel Ernsting Luz, University of Stuttgart, DE [48]*

10:15-11:15 **Pre-construction** – *Visionen*

Chairs: Pia Isolähteenmäki and Brian Domino

Digital forest intrusion valuation using drones and AI,
Roger Öhlund, Conifer Vision, SE [9]

WICE 2.5 – Model update and validation of the
DNV atmospheric icing model in North America
and the Nordics,
Luis Baquero, DNV Energy Systems GmbH, DE [5]

Machine learning-based estimation of ice loss for
pre-construction wind energy yield assessments,
*Sabin Stefanov, IDCORE (Industrial Doctoral Centre
for Offshore Renewable Energy), UK – a collaboration
between University of Edinburgh, University of Strathclyde,
Swansea University, University of Exeter and the industrial
partner Wood Group. [28]*

10:15-11:15 **Turbine control** – *Kosmos*

Chairs: Helmi Uusitalo and Patrice Roberge

Cold Climate Operation (CCO): A software-based solution
for ice loss mitigation in Vestas wind turbines,
Torben Tvedebrink, Vestas, DK [26]

Centralizing Intelligence: Using IceBrain to Transform
Icing Data into Operational Insight,
Dave Tremblay, Ictek, UK [39]

Operational envelopes for the design, sourcing,
and operation of IPS,
Dylan Baxter, FabricAir, CA [14]

11:15-12:30 **Lunch**

12:30-14:00 **Closing session - A cross section** – *Visionen*

Moderators: Lisa Ek and Per Olofsson

Unraveling hidden losses and new areas of focus for wind power in cold climates,
Simon Grenholm, W3 Energy, SE [34]

Summary of workshop: IEA Task 54: Wind turbine and blade heating performance, *Patrice Roberge et al*

Summary of seminars: Hydrogen, Grid & Storage, *Sevide Denli, Svensk Vindkraft/Bodecker Partners*

Summary of Winterwind 2026, *Per Olofsson*

Welcome to Winterwind 2027