

## **Release of report “Recommended practices for wind energy projects in cold climates”**

Winterwind 2012

Tomas Wallenius and the Task19 working group  
VTT Technical Research Centre of Finland

## Content

- What is IEA Wind R,D&D Task 19?
- Recommended practices –series
- Outline of the report
- Key findings

## What is IEA Wind R,D&D Task 19?

- Task 19 – Wind Energy in Cold Climates – expert group
- Working group for
  - Acquaring information on the cold climate wind energy topic
  - writing recommendations
  - disseminating information
  - International research collaboration
- Task worked since 2002
- Next 3 year term is about to begin
  - New members China and Denmark





# Outline of the report

## CONTENTS

EXECUTIVE SUMMARY / SUMMARY OF RECOMMENDATIONS .....	4	4.5 Checklist of key issues for site measurements .....	21
LIST OF ABBREVIATIONS .....	6	5 TECHNOLOGY FOR COLD CLIMATE WIND ENERGY .....	22
1 INTRODUCTION .....	9	5.1 Recommendations for selecting technologies and wind turbines for cold climate .....	22
2 COLD CLIMATE .....	10	5.2 Technologies for low temperatures and icing conditions .....	23
2.1 Low Temperature Climate .....	10	5.3 Ice detection .....	25
2.2 Icing Climate .....	11	5.4 Foundations .....	25
2.2.1 Atmospheric Icing .....	11	5.4.1 Grid connection .....	26
2.2.2 Phases of an icing event .....	12	5.5 Turbine certification .....	26
2.2.3 Icing and wind energy .....	13	5.6 Checklist of key issues for cold climate technology .....	26
3 SITE CLASSIFICATION .....	14	6 OPERATION AND MAINTENANCE .....	28
3.1 Low Temperature Climate Classification .....	14	6.1 Operation and maintenance .....	28
3.2 IEA Ice Classification .....	14	6.2 Accessibility .....	28
4 SITE MEASUREMENTS .....	16	6.3 Checklist of key issues regarding operation and maintenance .....	29
4.1 Meteorological towers .....	16	7 ENERGY YIELD CALCULATIONS .....	30
4.2 Measurement Sensors .....	17	7.1 Low temperature effects .....	30
4.2.1 Wind .....	17	7.2 Ice effects .....	30
4.2.2 Ice .....	18	7.3 Checklist of key issues regarding energy yield calculations .....	32
4.2.3 Temperature .....	19	8 HEALTH, SAFETY AND ENVIRONMENT .....	33
4.2.4 Atmospheric pressure .....	20	8.1 Public safety .....	33
4.3 Site power supply .....	20	8.2 Labour safety .....	34
4.4 Setup and Operation & Maintenance of measurements .....	20	8.3 Planning for H&S by assessing the risk of ice throw .....	36
4.4.1 Installation .....	20	8.4 Environmental considerations .....	36
4.4.2 Accessibility and site communication .....	20	8.5 Checklist of key issues regarding HSE .....	36
		9 PROJECT ECONOMY .....	38
		9.1 Estimating financial losses due to climate conditions .....	38
		9.2 Summary of key issues regarding project economy .....	39

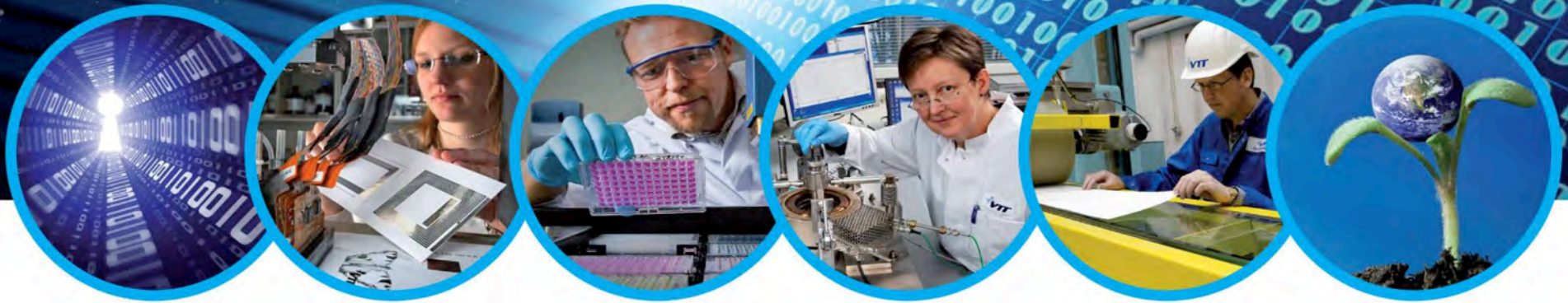
## IEA Ice Classification

IEA Ice class	Meteorological icing	Instrumental icing	Production loss
	% of year	% of year	% of annual production
5	>10	>20	> 20
4	5-10	10-30	10-25
3	3-5	6-15	3-12
2	0.5-3	1-9	0.5-5
1	0-0.5	<1.5	0 - 0.5

- Classification for sites, to be used:
  - as a basis of recommendations
  - for wind turbine design load cases,
  - for describing and comparing sites

## **Recommended practices for wind energy projects in cold climates**

To be available this spring at <http://arcticwind.vtt.fi/>



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