

# Application formula

- Calculate the year you want to become a member of iWAS as follows:
- $\text{Year} = (65 - \text{your\_age}) + 2013$

iWAS = International Wind Alumni Society

# The broad story

## History of wind development

1. Onshore
2. Offshore
3. Cold climate

# Our expectations before we came here

- Meet many nice people, of course!
- Progress of knowledge frontiers
  - Health and safety
  - De- and antiicing
  - foundations, transport and installations
  - production losses, uncertainties AEP
  - increased loads
  - education
  - ice climatology and forecasting
  - Gap between icemaps and turbine behaviour
  - Test centers

# Conclusions 1

- Spread the message (Lawrence statement)

The development of the conference reflects the market interest

# Conclusions 2

- health and safety, noise
- de- and antiicing
- production losses, uncertainties AEP
- increased loads
- education
- ice climatology and forecasting
- gap between icemaps and turbine behaviour
- test centers and extreme climate testing
- experiences, O&M, transport, installation, foundations

# Conference Reflections

Jos Beurskens & Sven-Erik Thor