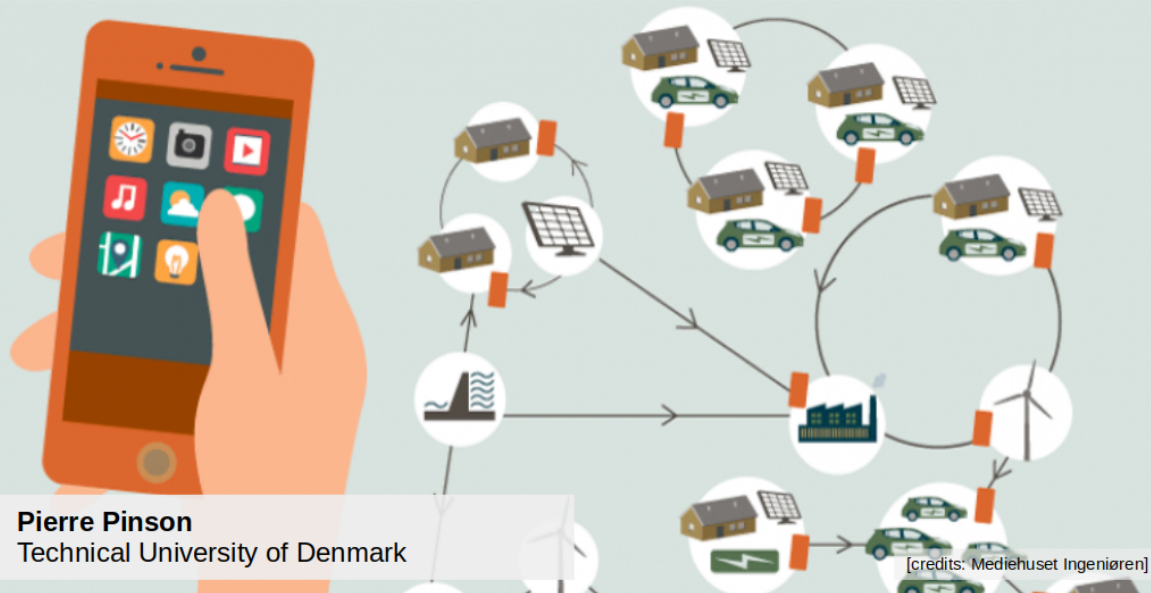


Module 8 – Verification of Renewable Energy Forecasts

Module introduction



Some of my favorites:

"Prediction is very difficult, especially if it's about the future"

–Nils Bohr, Nobel laureate in Physics

"Forecasting is the art of saying what will happen, and then explaining why it didn't!"

–Anonymous

"It is far better to foresee even without certainty than not to foresee at all"

–Henri Poincaré

Let's accept it...

- **Forecasts are always wrong!**
- Bad forecasts translate to **consequences** - these may be:

- *security issues* in, e.g., offshore wind farm maintenance
- *financial losses* for those participating in the markets
- *overall decrease in social welfare*



This
sucks

- *blackouts!* (well, hopefully not)
- ... but definitely, *harsh criticism on using renewables for supplying us with electricity*

Through this module, it is aimed for you to be able to:

- ① Explain what makes **renewable energy forecasts** of different quality and value
- ② Describe how one may **evaluate the quality** of different forms of forecasts
- ③ Appraise how different **scores** and **diagnostic tools should be used and interpreted**

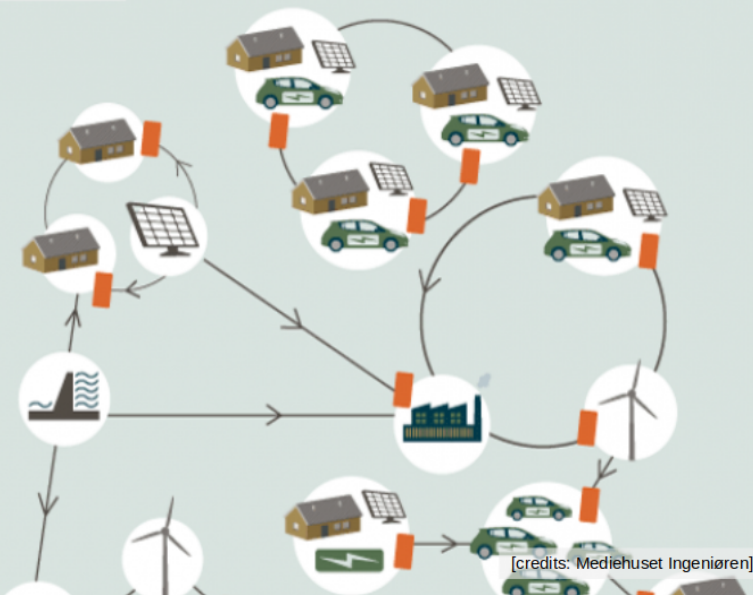
Module 8 is based on 3 video lectures and associated self-assessment quizzes:

**8.1 What makes a
good forecast?**

**8.2 Verification of
deterministic
forecasts**

**8.3 Verification of
probabilistic
forecasts**

Good luck with Module 8!



[credits: Mediehuset Ingeniøren]