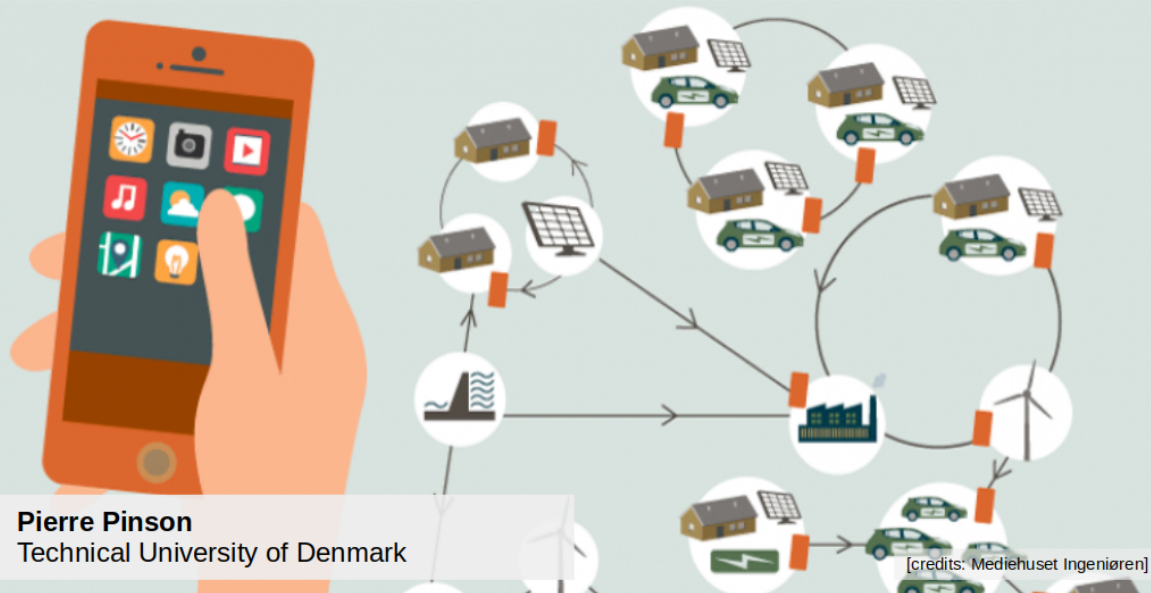


Module 9 – Renewable Energy Forecasting: First Steps

Module introduction



Pierre Pinson
Technical University of Denmark

• The MIT Technology Review:

- founded at MIT in 1899
- daily review/analysis of technological innovation worldwide
- *impact*: 580.000 members and 2.400.000 website visitors per month!



• The 10 breakthrough technologies 2014:

- genome editing
- microscale 3D printing
- neuromorphic chips
- brain mapping
- etc.
- **renewable energy analytics (!), and more particularly forecasting...**

[See link:
[MIT Technology Review - Smart Wind and Solar Power](#)]

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

- 1 Describe generalities of techniques that can be used to generate **renewable energy forecasts**
- 2 Build and estimate **fairly simple models** to be used as a basis for forecasting
- 3 Understand the basic concepts of **regression** and **feature engineering**!

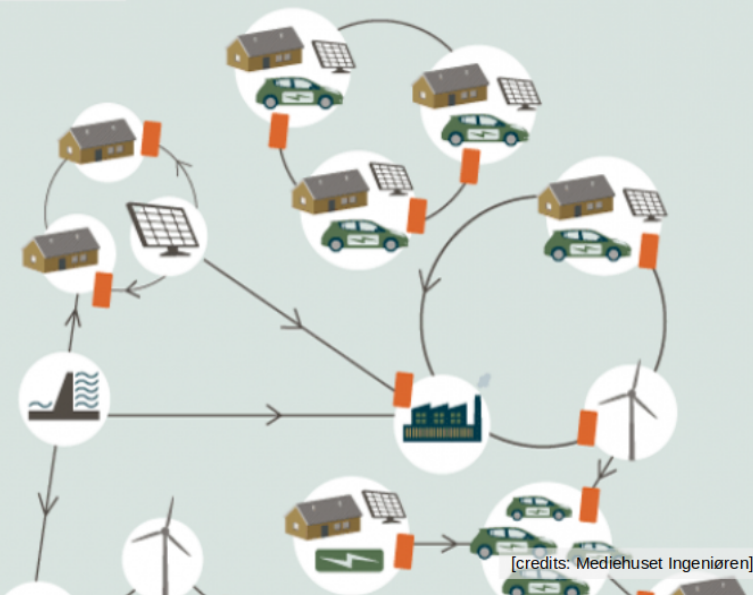
Module 9 is based on 3 video lectures and associated self-assessment quizzes:

**9.1 Generalities
and benchmark
approaches**

**9.2 Going further
in a regression
framework**

9.3 Digging in the data

Good luck with Module 9!



[credits: Mediehuset Ingeniøren]