Anvendelse af trådløse sensorer til proces-optimering under nedtørring i korn og frø

Ole Green

Institut for Jordbrugsteknik – Aarhus Universitet

DanSeed Symposium 2009 – 24. Februar 2009

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Content

- **Technology background**
  - Wireless communication
  - Sensor-platform
- **Measuring real life**
  - Spring barley – small scale
  - Rey grass – small scale
  - – full scale
- **Drying optimization**
- **Other applications**

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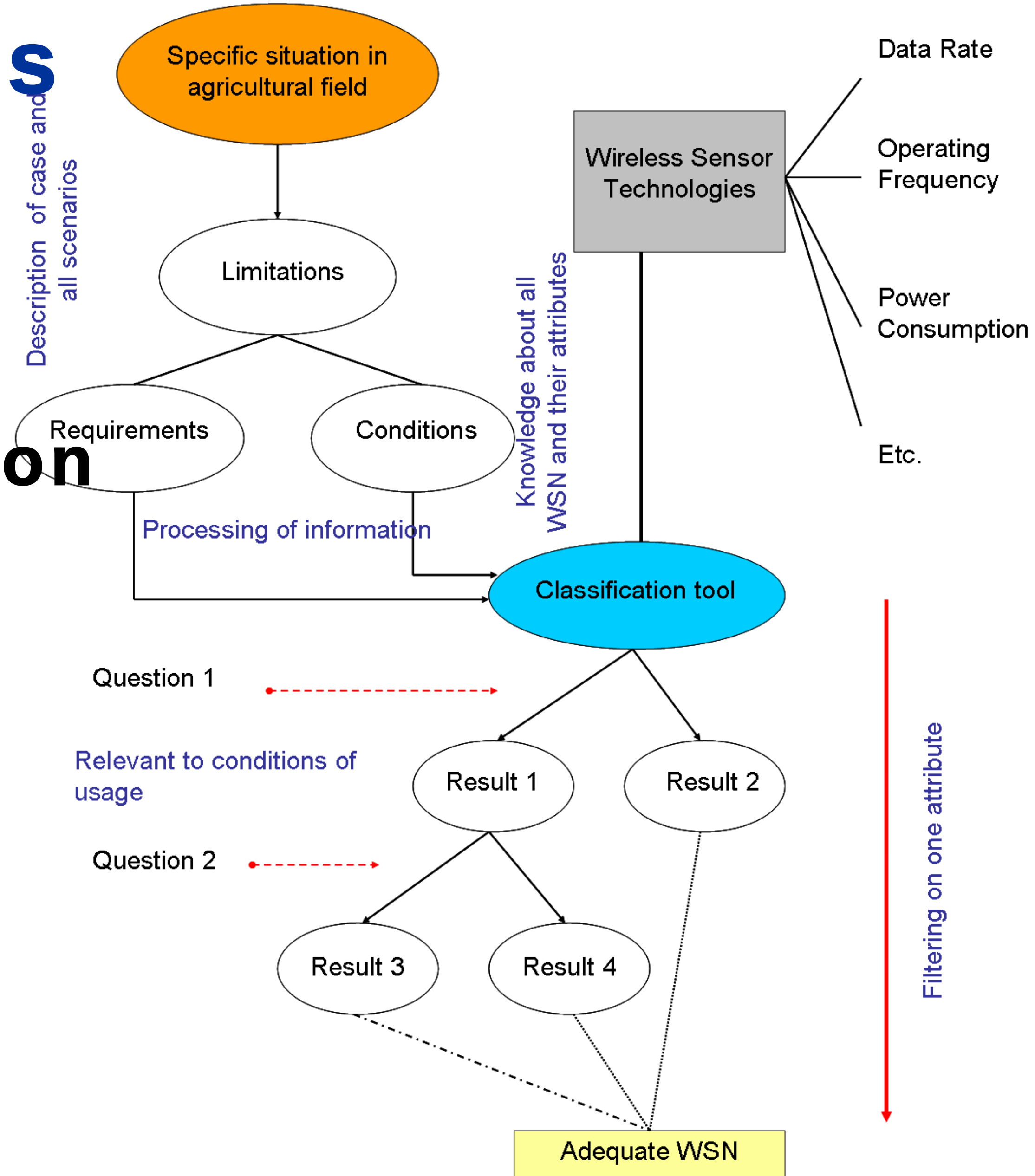
Wireless communication technologies

- **Method for choosing Wireless Communication Technologies**



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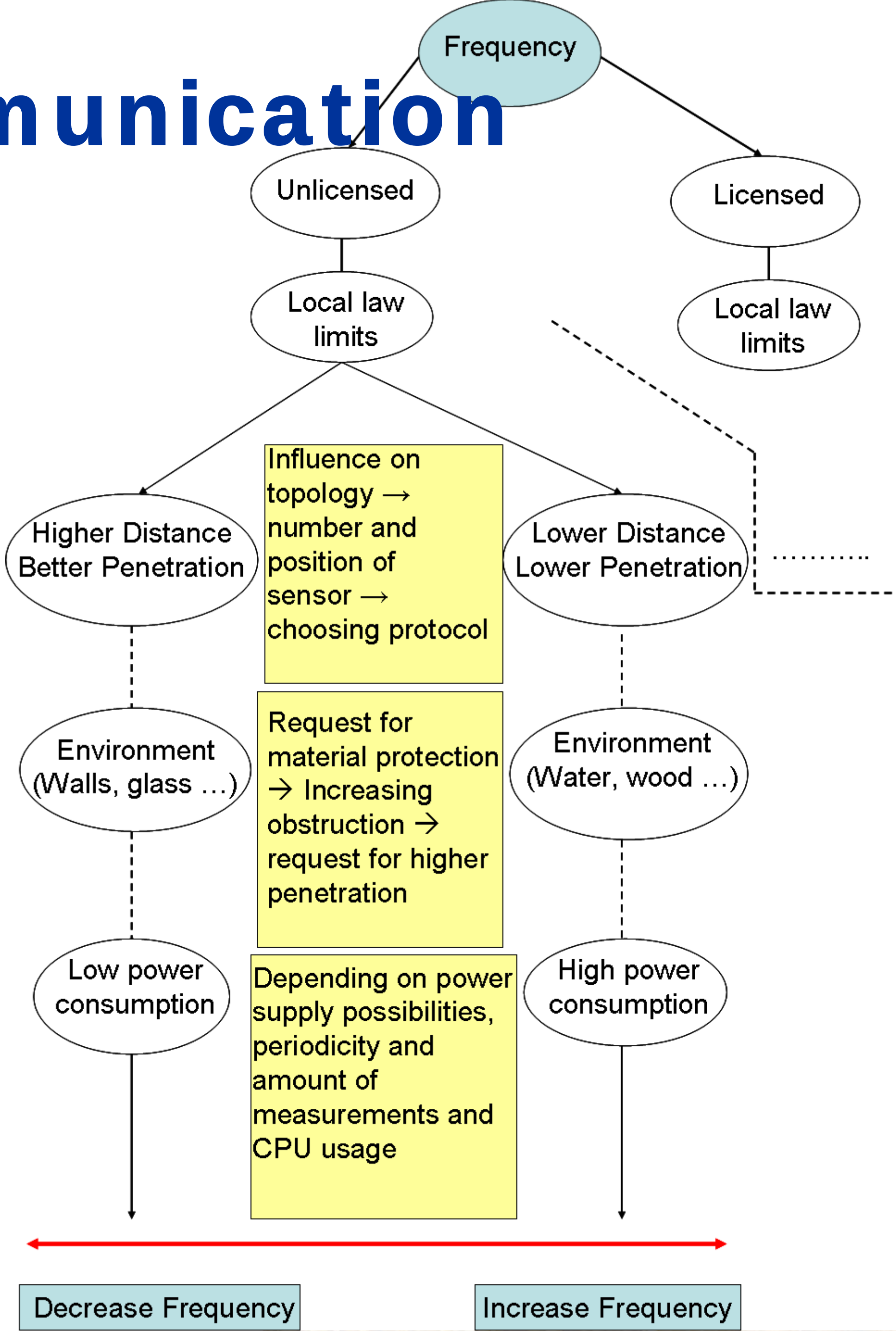
Wireless communication technologies

- **Method for choosing frequency**



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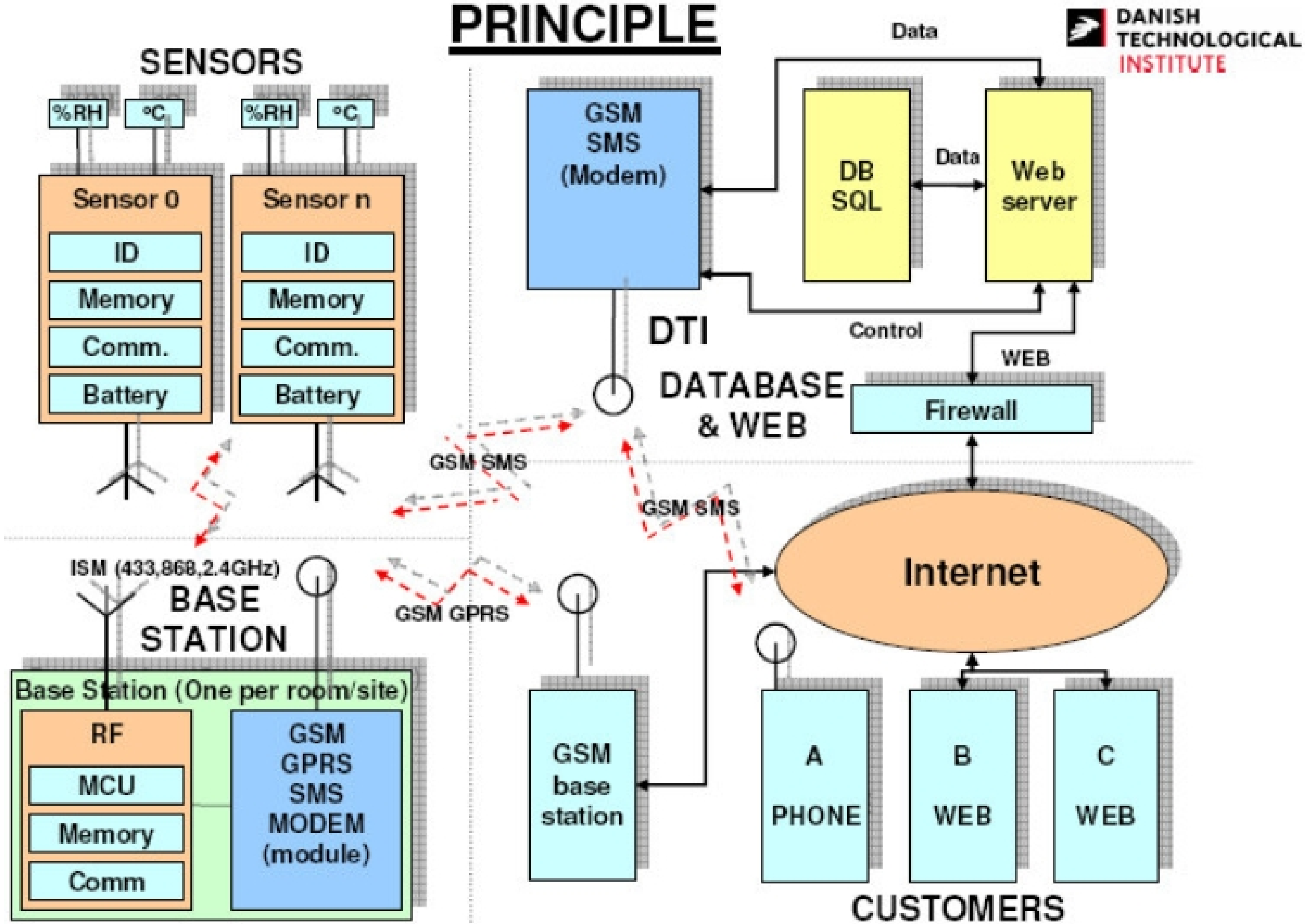
Sensor platform



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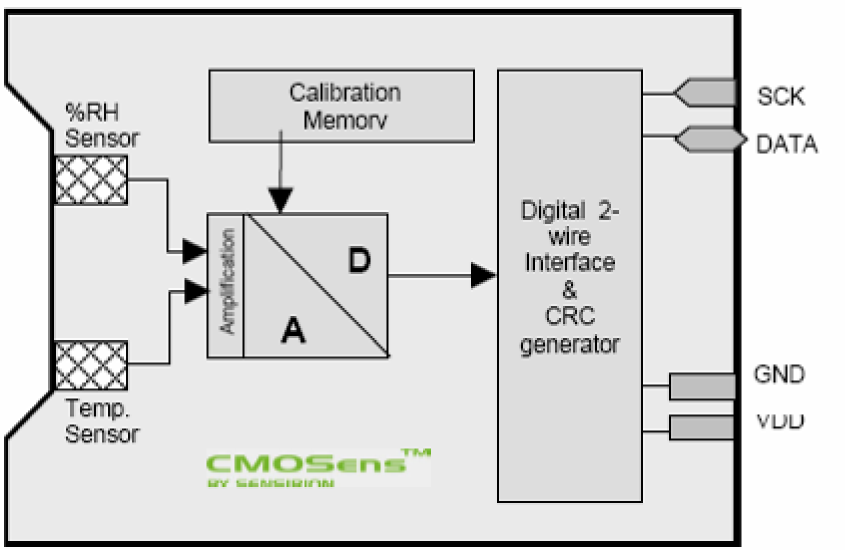
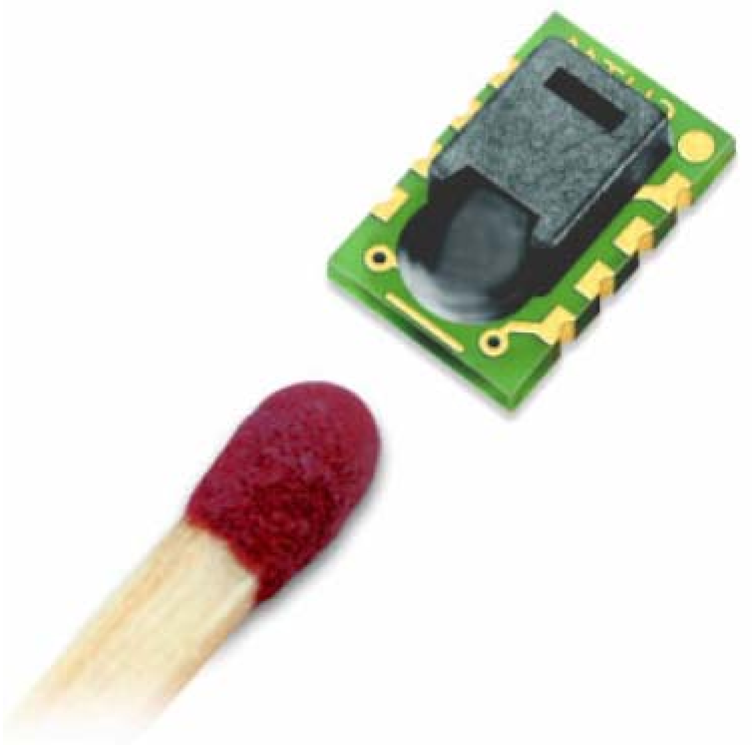
Sensor platform





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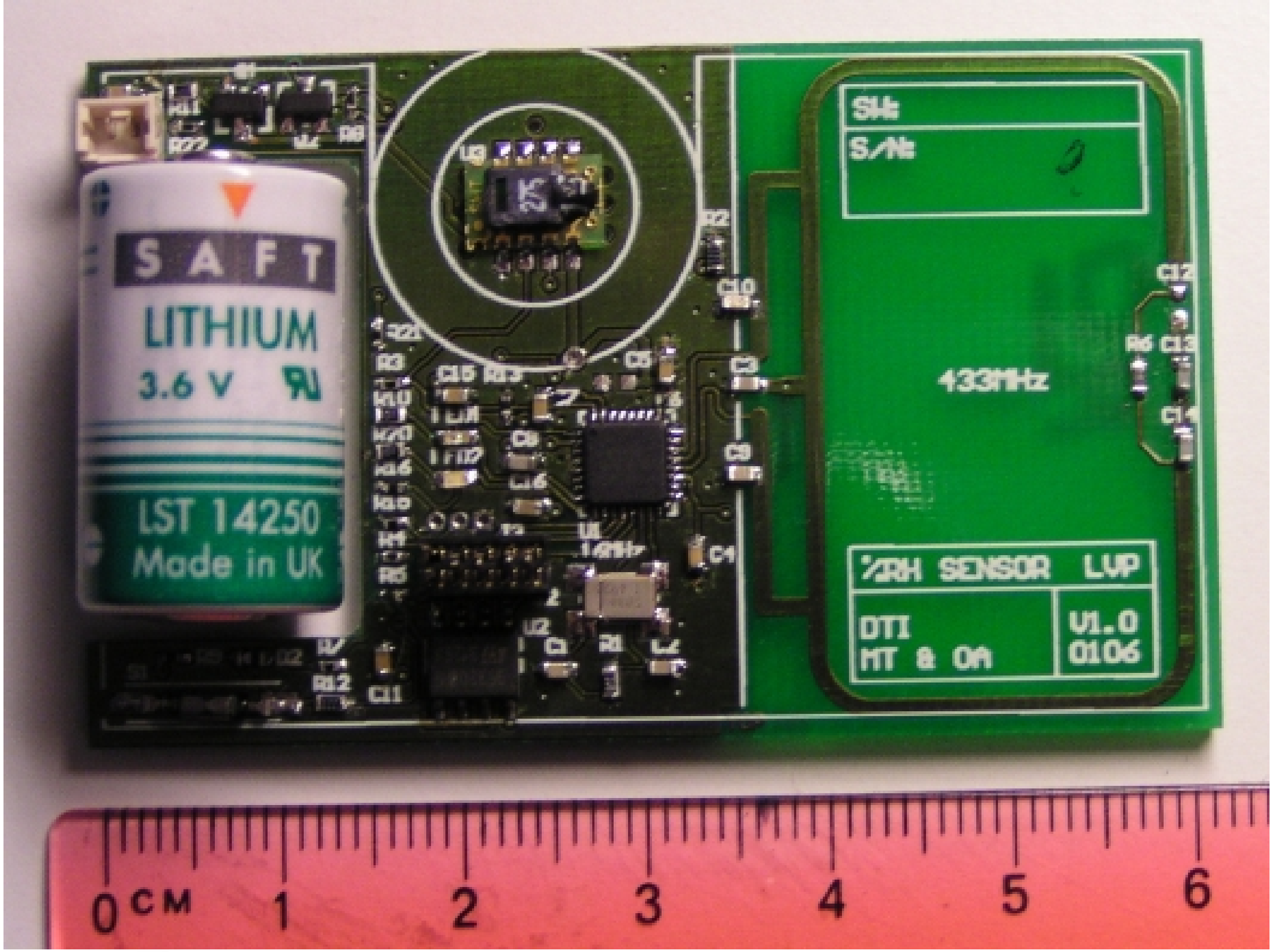
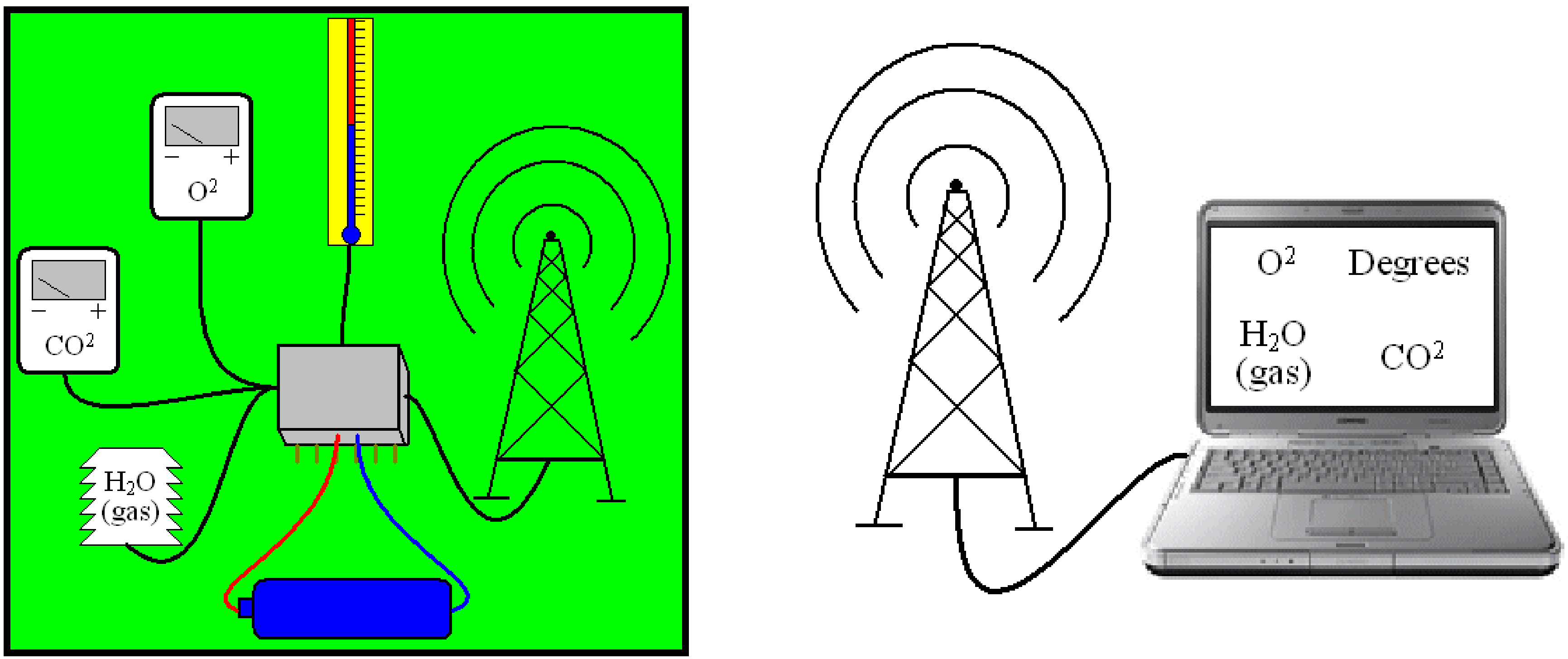
Sensor platform



Sensor platform



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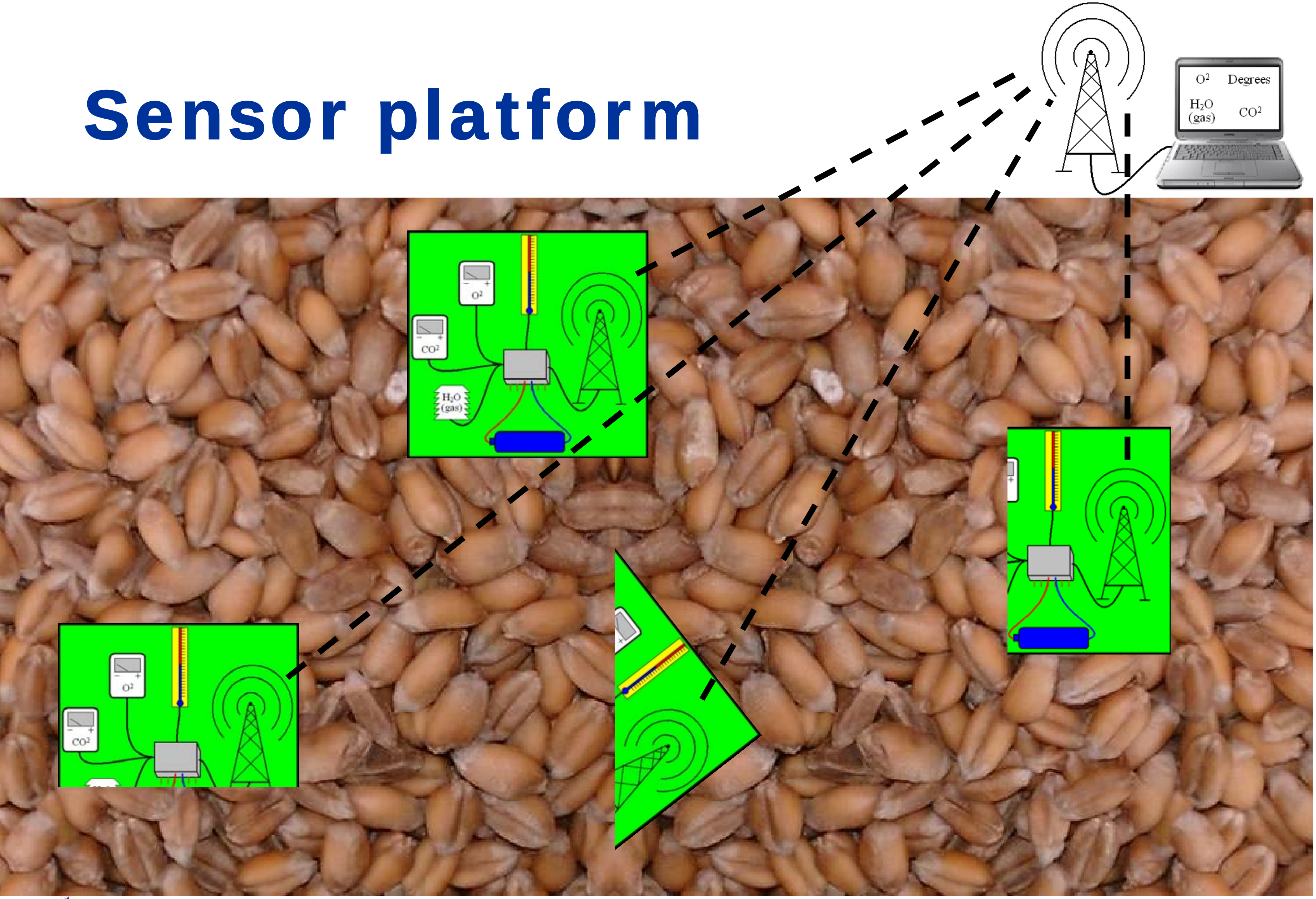


Measuring real life

- **Barley**

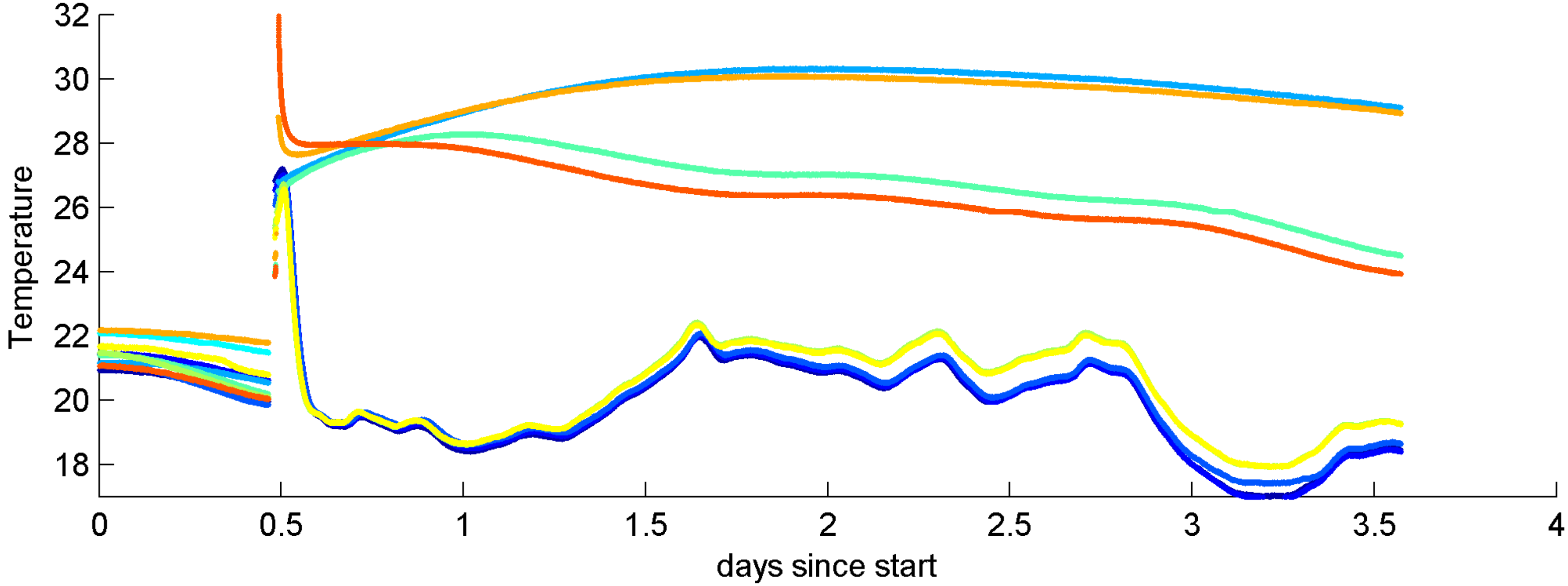
Measuring real life

- Barley

Measuring real life

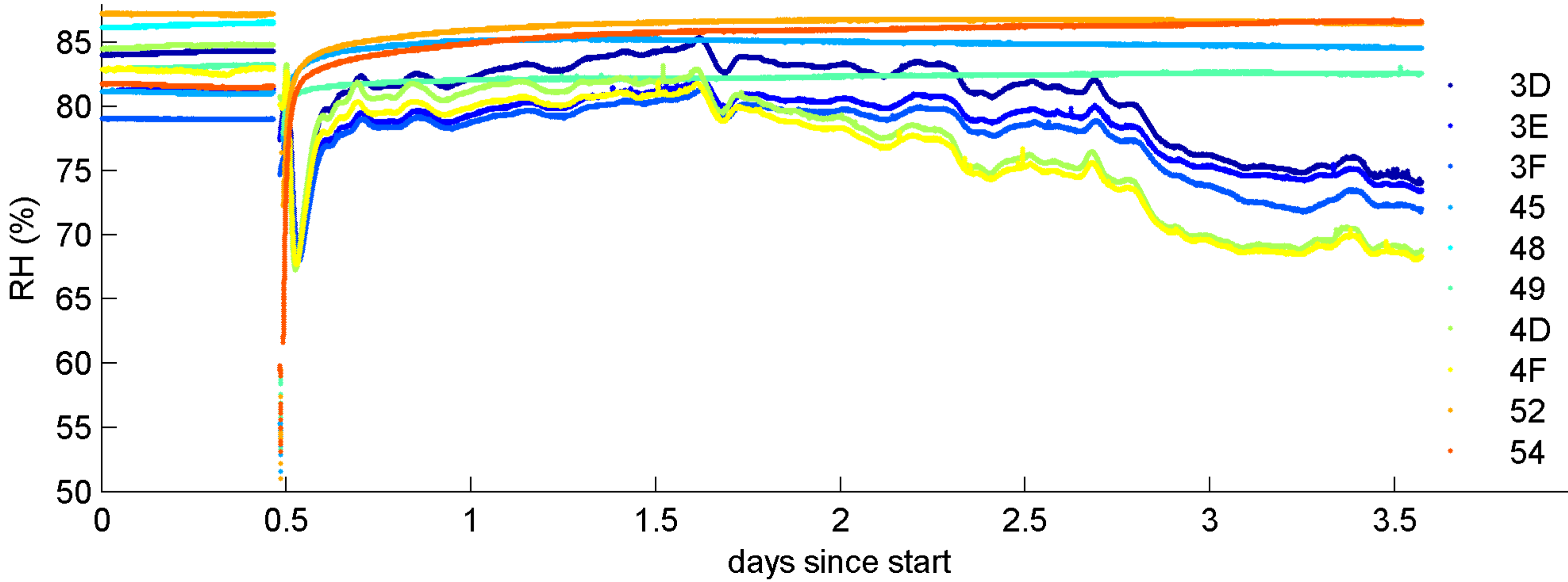
Birte Boelt & Johannes Ravn Jørgensen, AU, Dept. of Genetics & biotechnology

- **Barley – Temperature**



Measuring real life

- **Barley – Humidity**



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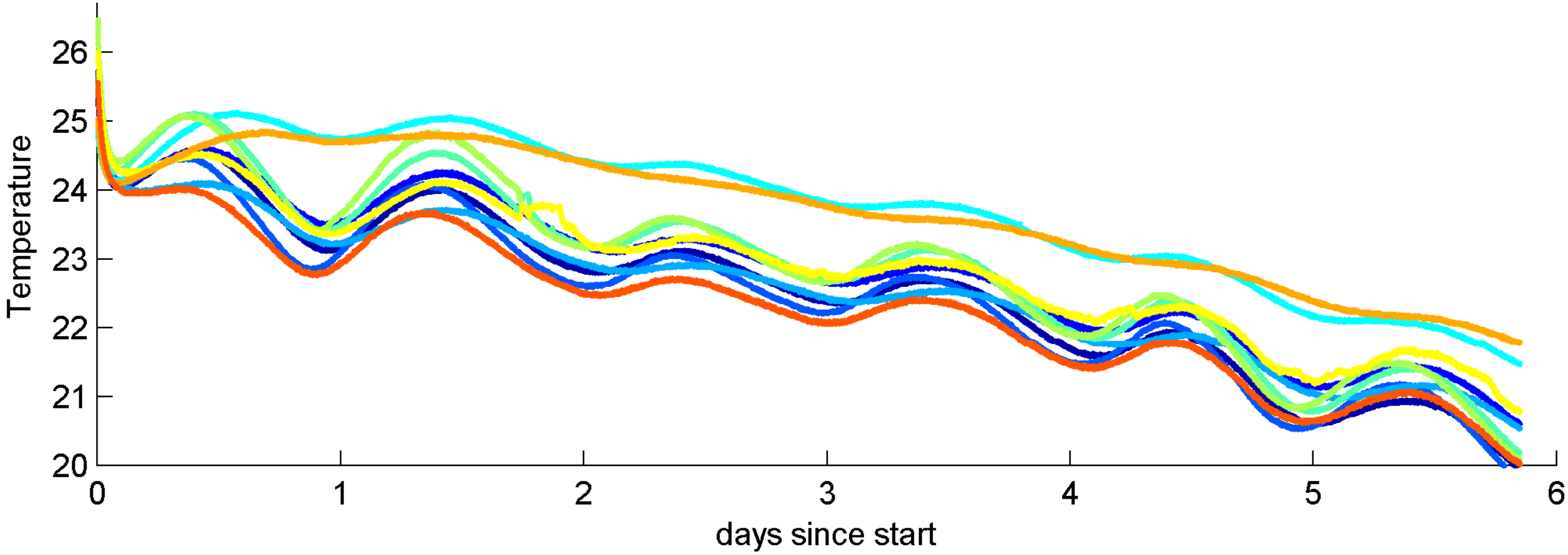
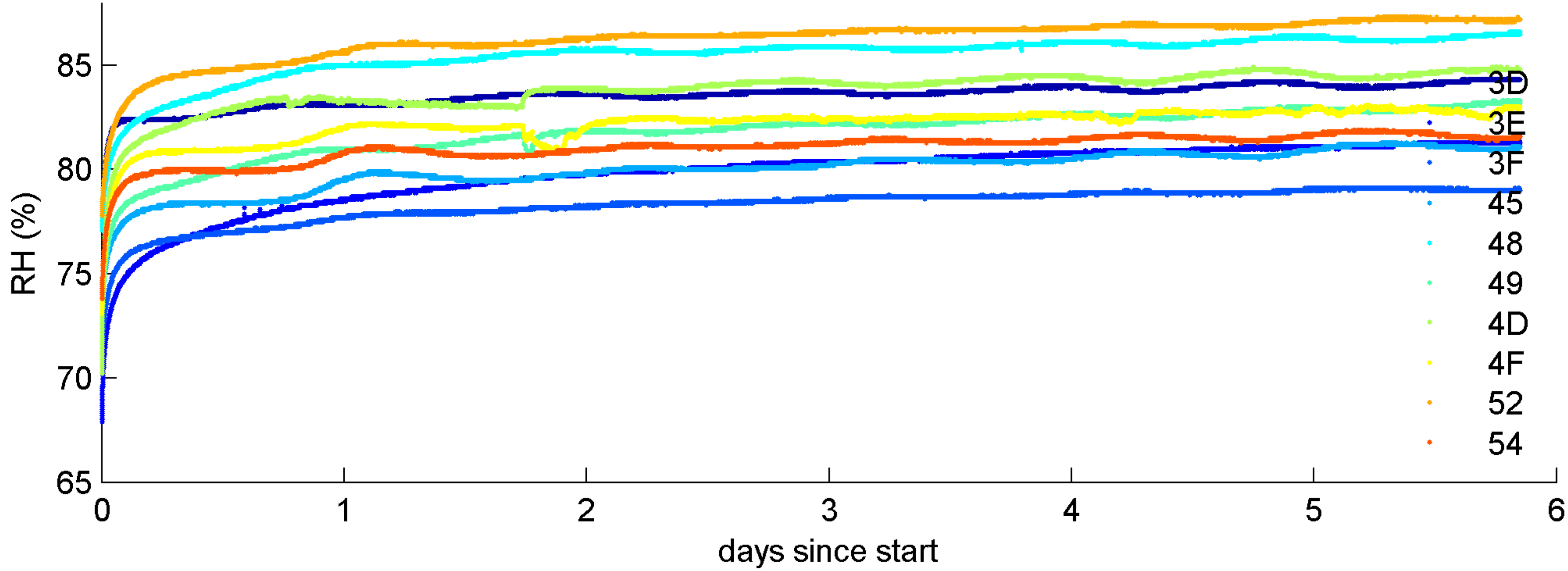
Measuring real life

- **Ray grass – temperature**



Measuring real life

- **Ray grass – humidity**



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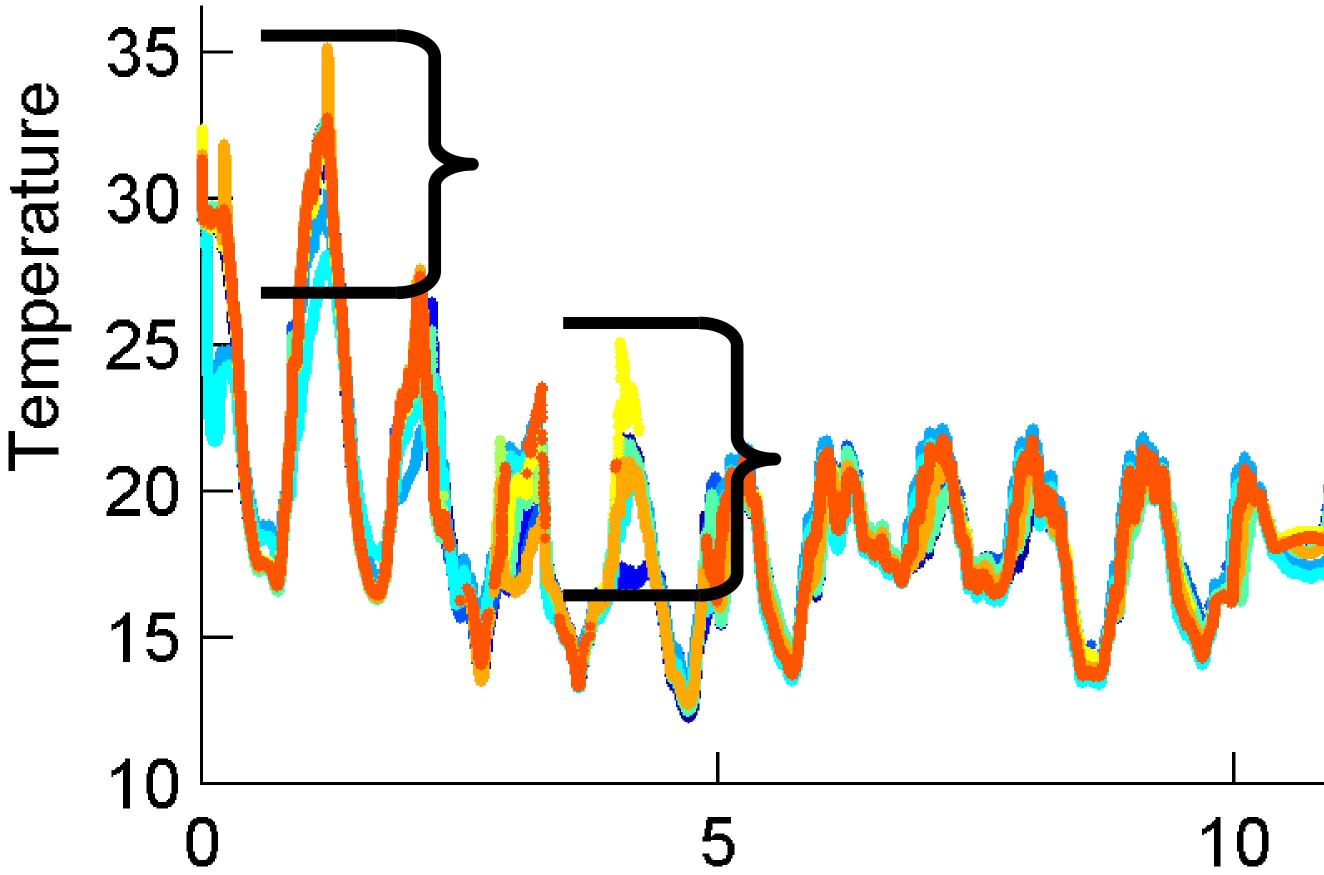
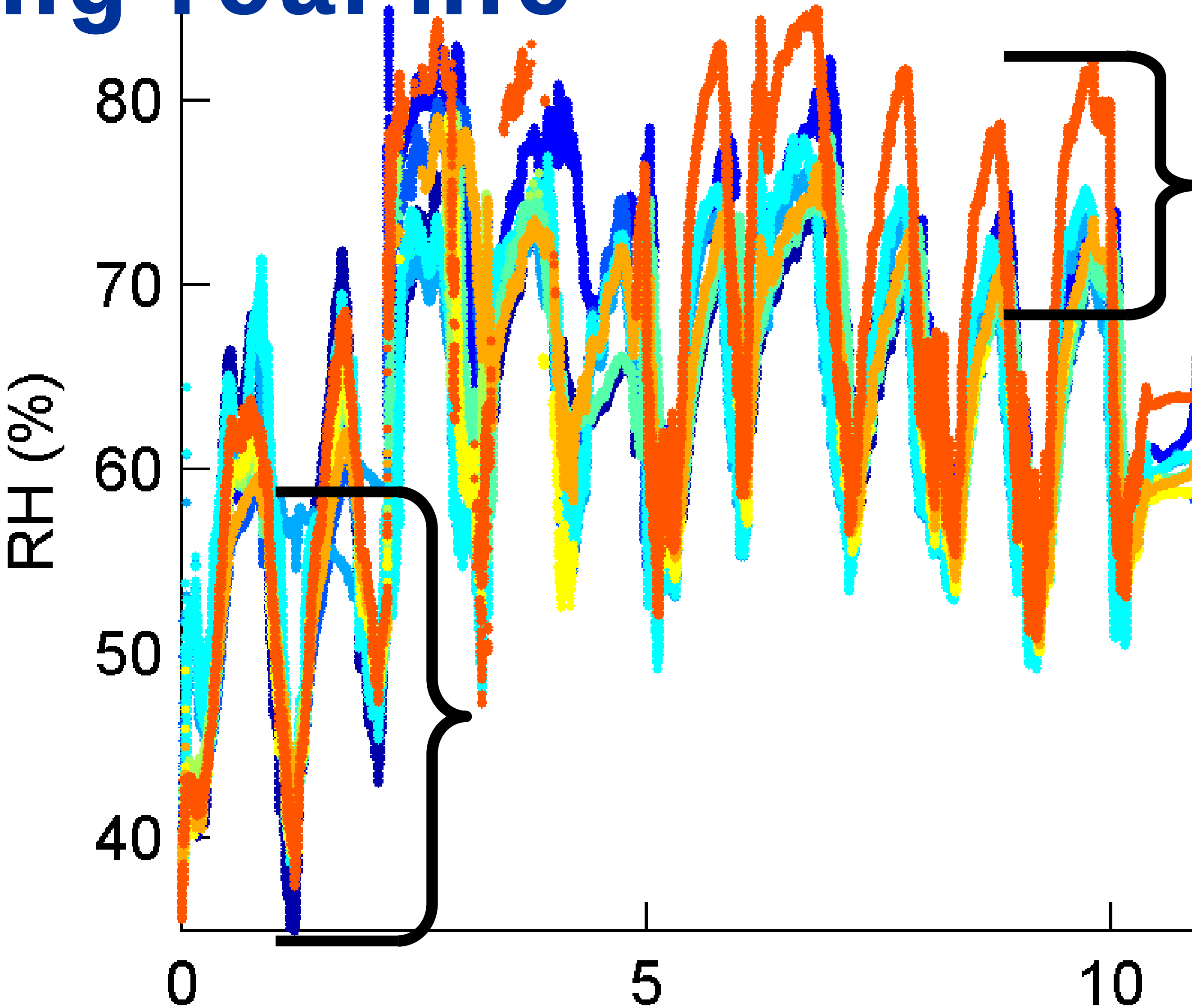
Measuring real life

- Variation
- Purløg



Measuring real life

- Variation
- Purløg



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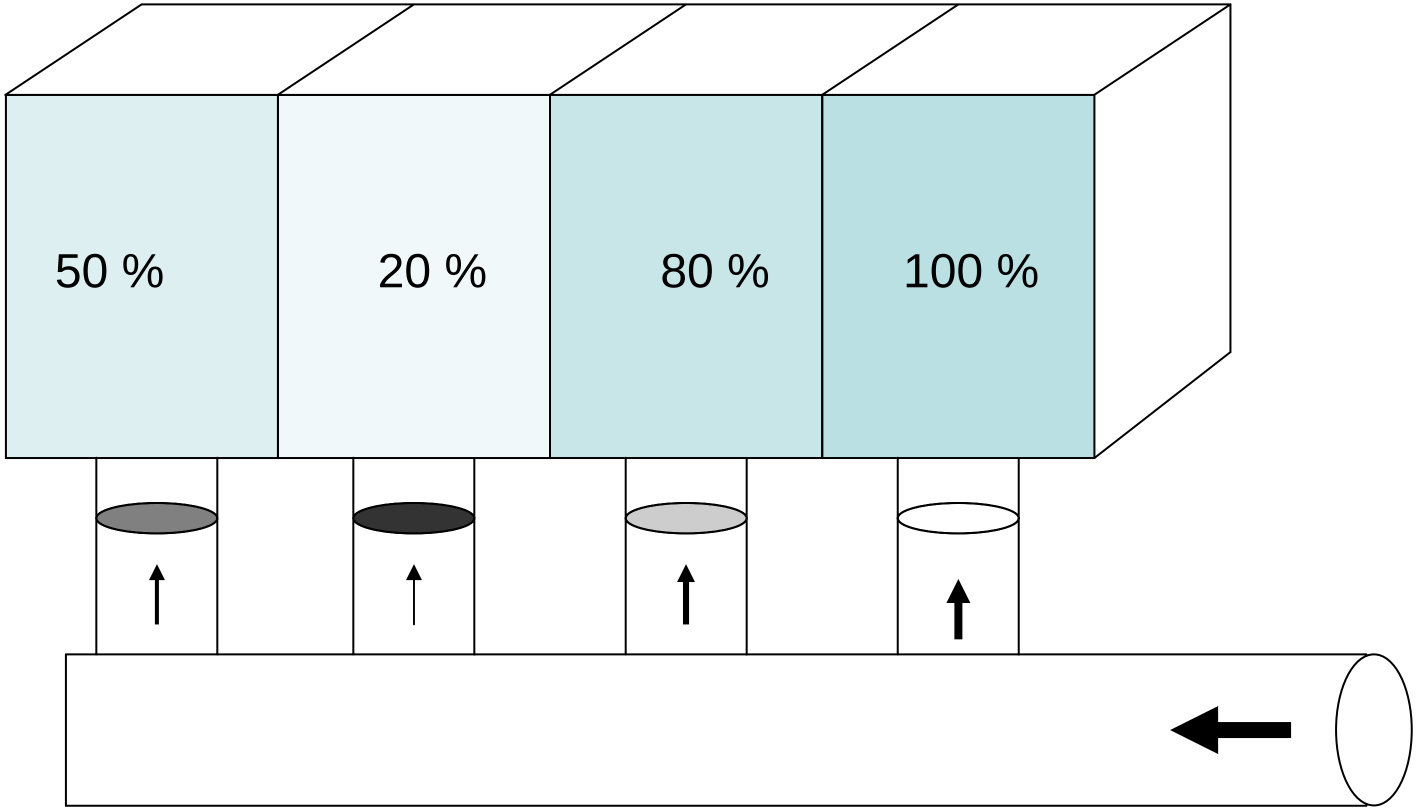
Drying optimization



Other applications

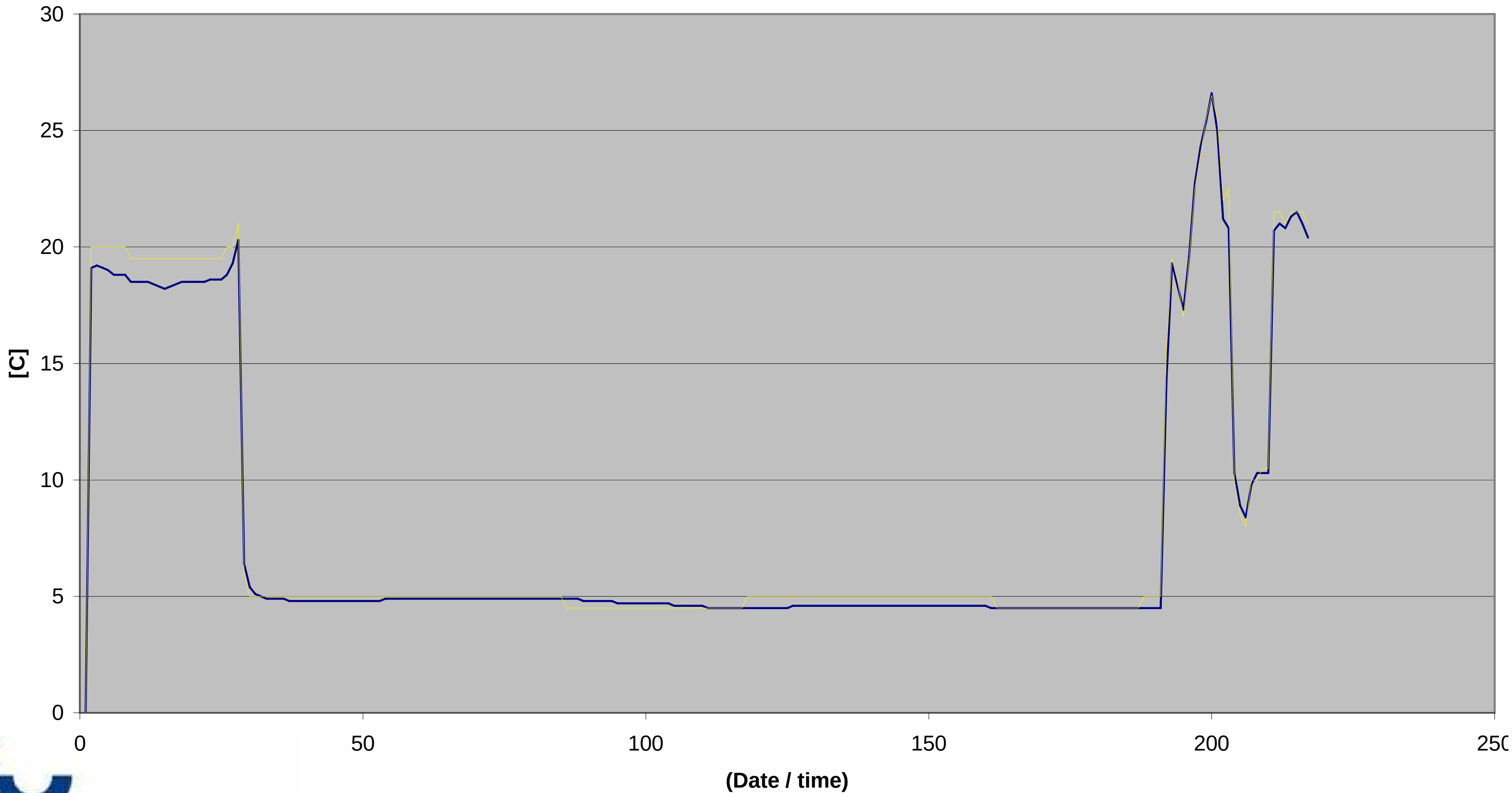
Martin Jensen, AU, Dept. of Horticulture

- **Tree seed monitoring**

Other applications

Martin Jensen, AU, Dept. of Horticulture

- **Tree seed monitoring – temperature**



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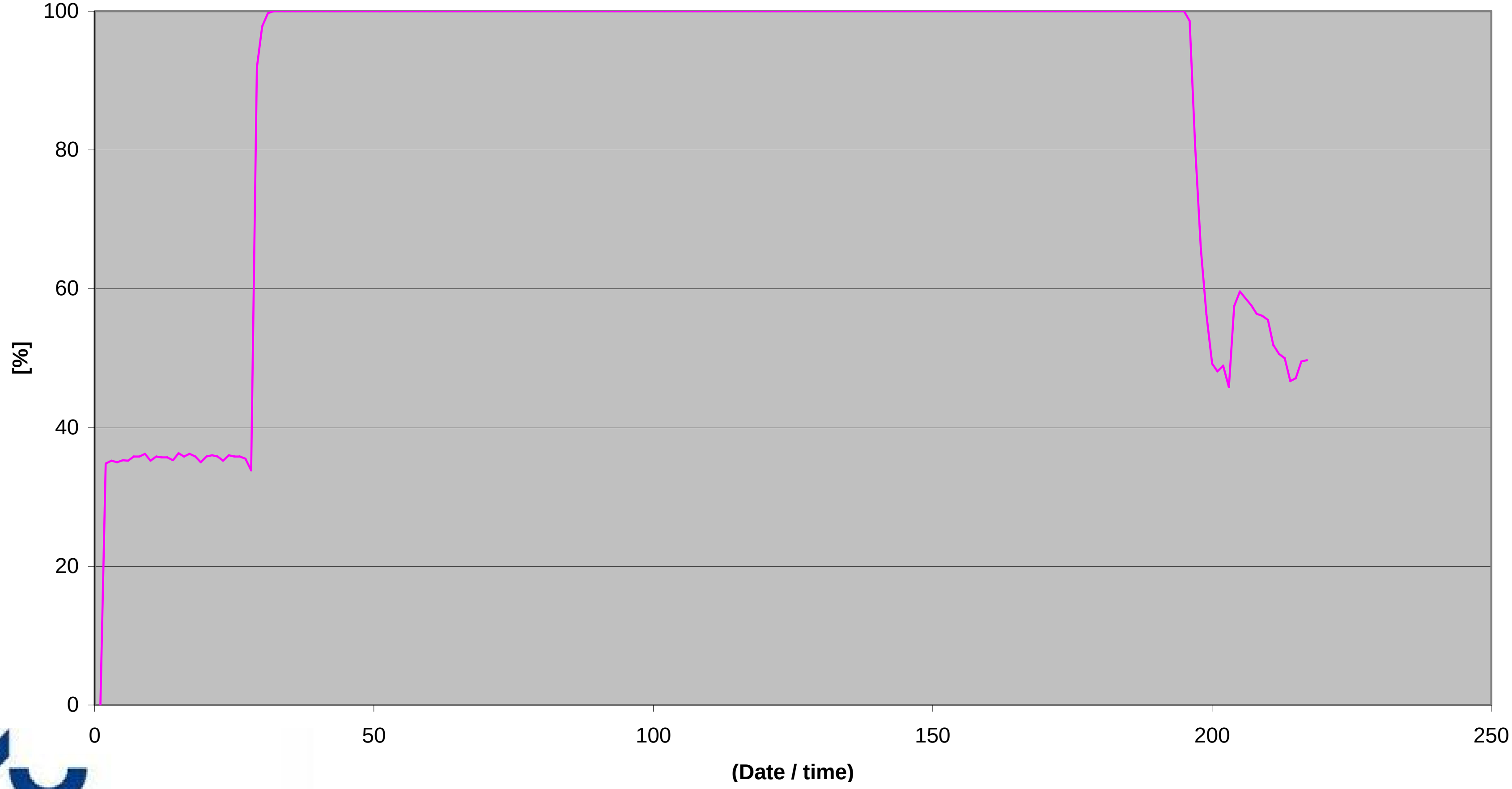
Other applications

Martin Jensen, AU, Dept. of Horticulture

- **Tree seed monitoring – humidity**



Spørgsmål?

seedland.dk

- Det Regionale TeknologiCenter -