DANISH TECHNOLOGICAL INSTITUTE

Working with DCX

Lessons learned and tools developed

Agenda

- Getting started with DCX
- Machine readability and human readability
  - Structure
  - Developing for the different formats
- Learnings and challenges in working with DCX
- Tools developed
  - DCC and DCX interpreter
  - DCX Generation tool

Danish Agency for Higher Education and Science

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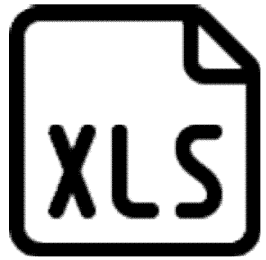
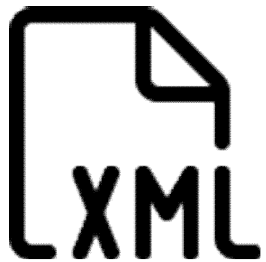
Getting started with the DCX

- Where did we start?

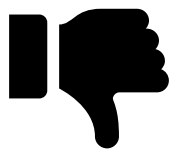
XLS Schema



XML Example



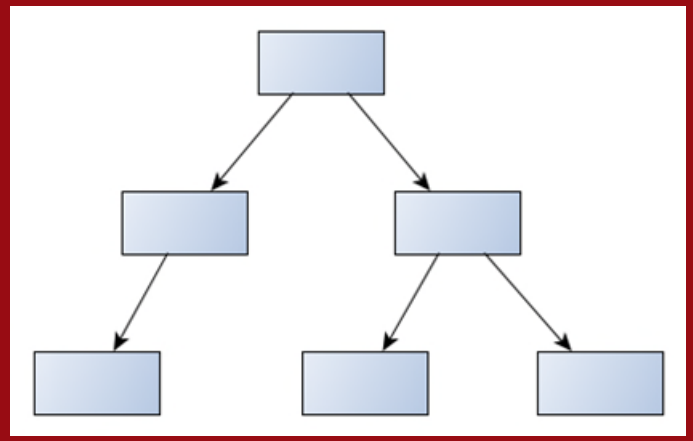
Documentation



Machine readability and human readability

DCC

Tree structure



Good for organizing complex data

Designed with a lot of options in mind

Complex

DCX

Tabular structure

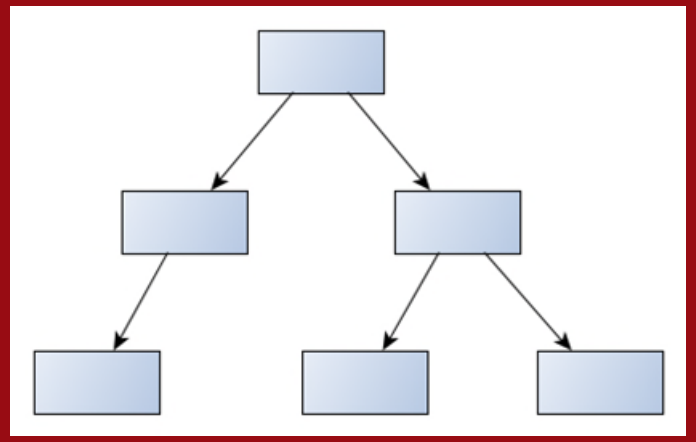
Well structured

More rigid

Simpler

Developing tools for each format

DCC



Good naming convention

Deep data structure

Lots of options

→Demands a lot of software

DCX

Good naming convention

Shallow data structure

More rigid

→Easier to build tools for

Learnings and challenges in working with DCX

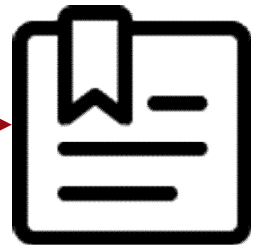
DCX – DCR and DCC combined

documentIdentifier: ”customerDCR”

DCX - DCR

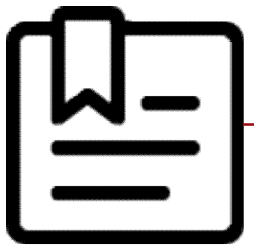
Target value	Reference value	DUT value
10		
20		

documentIdentifier: ”laboratoryDCC”



DCX - DCC

Target value	Reference value	DUT value	Comment
10	10,02	9,91	Some comment
20	19,96	20,21	



DCX - DCR

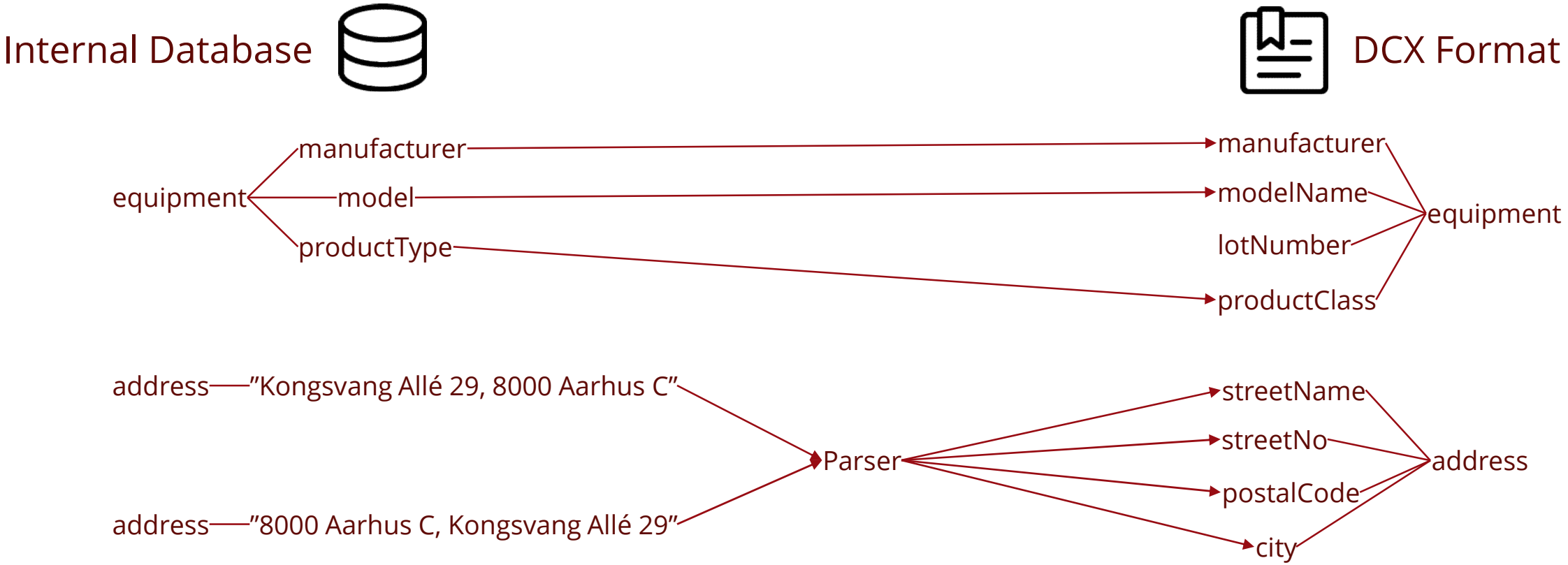
DCX - DCC

Learnings and challenges in working with DCX

- Reviewing how you save data

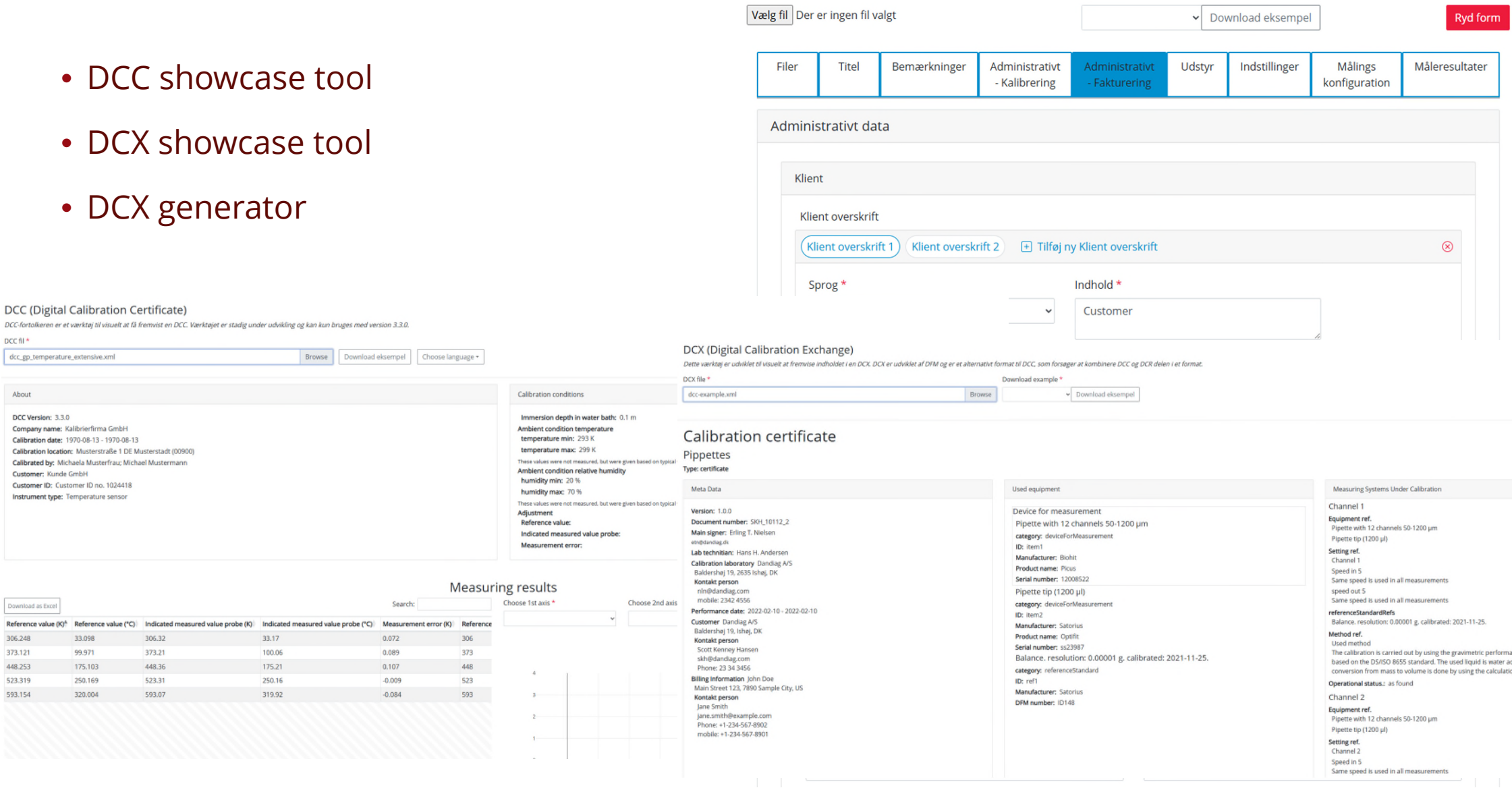
- Data you save vs data in the format

- Saving in the right format



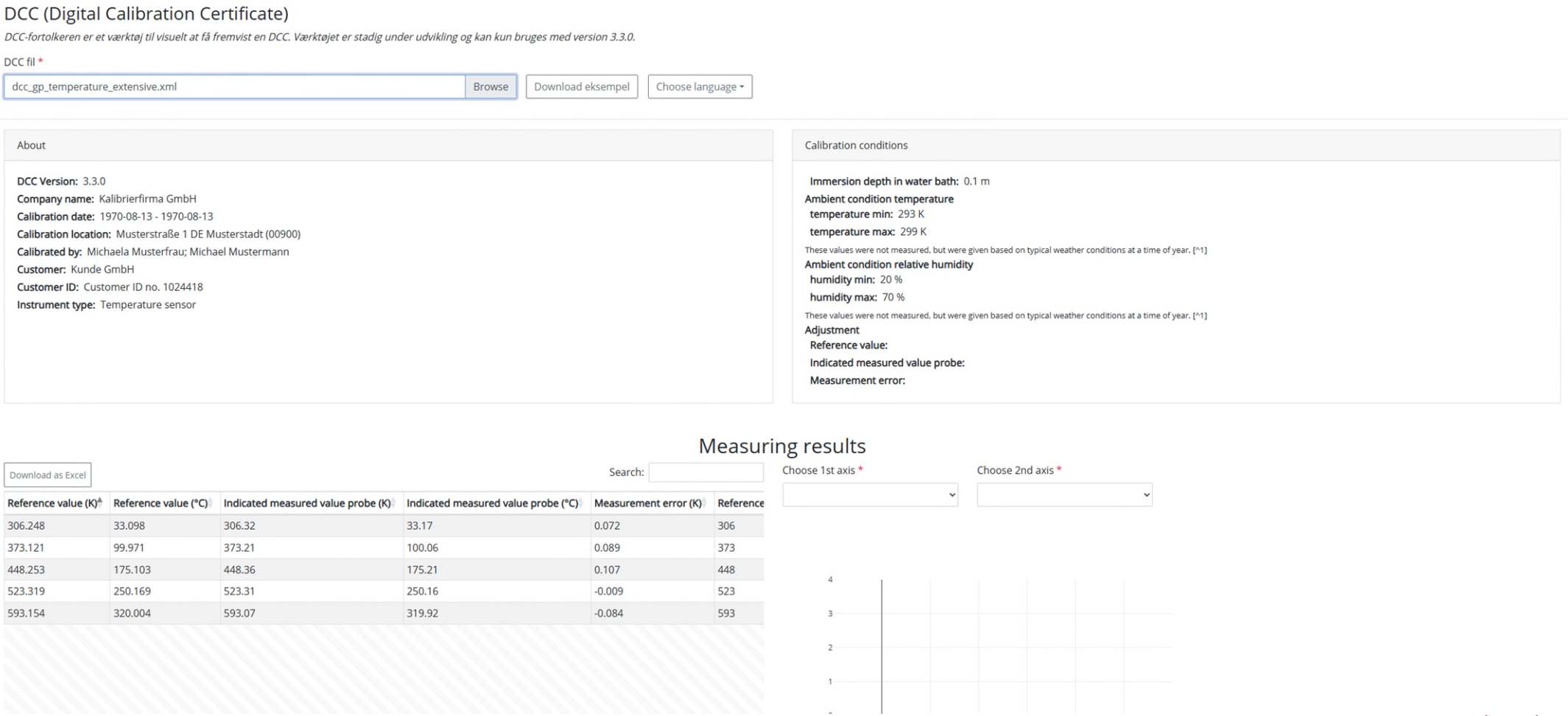
Tools developed

- DCC showcase tool
- DCX showcase tool
- DCX generator



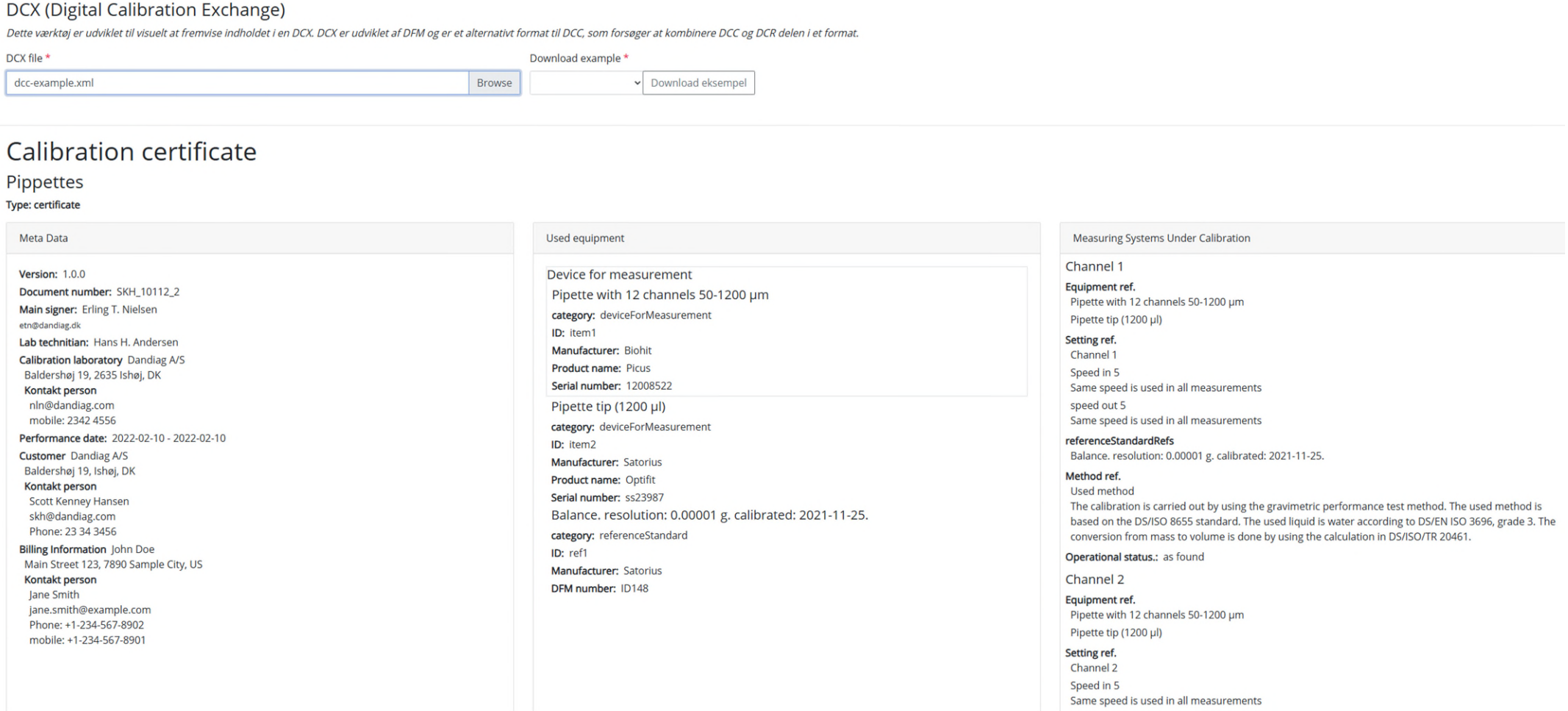
DCC Showcase tool

- Updated to support DCC V3.3.0



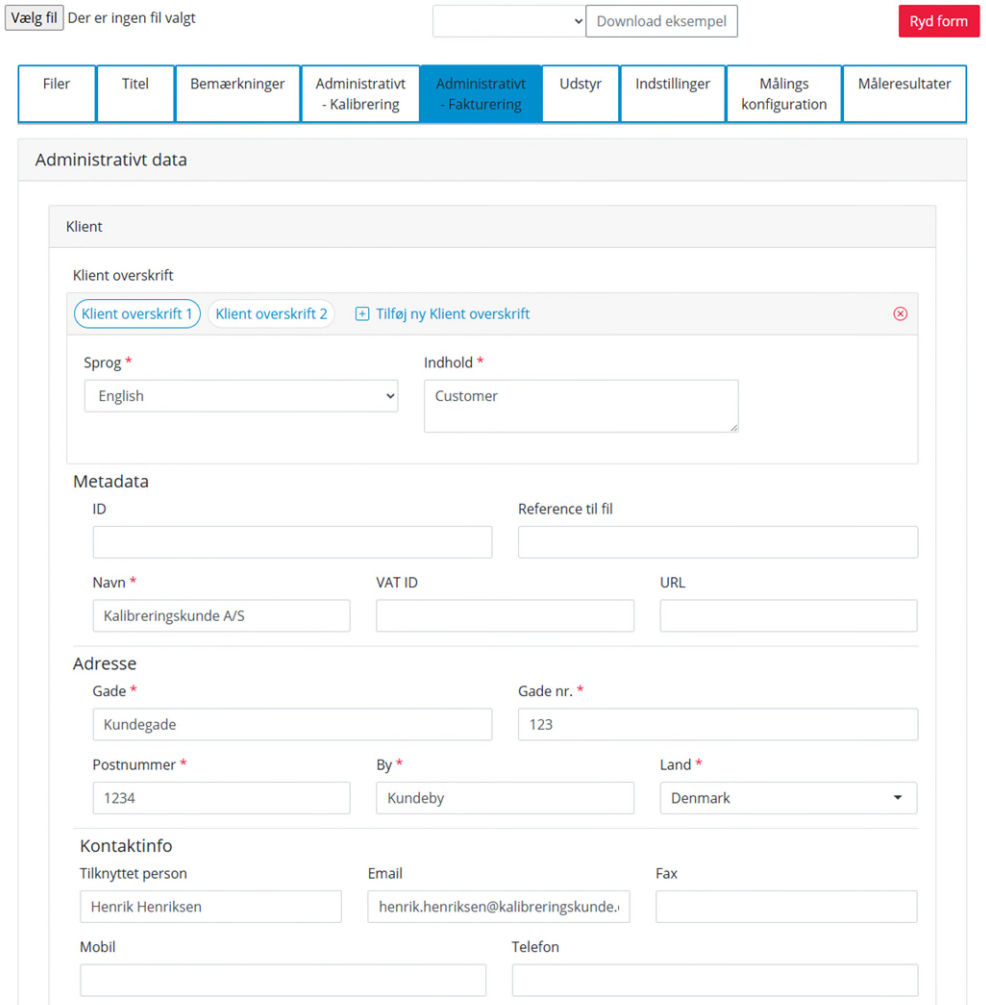
DCX Showcase tool

- New feature! DCX Showcase tool



DCX Generator

- New feature: DCX Generator tool



- Get started with generating DCX
- Use examples to get a solid base
- Still Work-in-Progress – Some features have yet to be implemented

Try it now!

Link

Contact

- Question or feedback regarding the tools? Want to collaborate on DCX?

 - Contact us

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Thank you

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