the Swedish instance of MDCS for AM : amdata

N. Stenberg and G. Lindvall

Today

- whoami? (sorry - the mandatory *"presentation round"*)
    - as short as possible: **Not!** a full bio.
- The day: **DIP-C** (newly made up acronym!)
    - datacentric
    - interactive (We hope. . .)
    - pragmatic
    - collaborative

Why? (motivation)

Materials data development is **incremental**. Everyone takes small steps and it is only by communicating **rapid growth** can be obtained.

alas!

amdata.proj.kth.se — a collaborative backbone.

The service

- **amdata.proj.kth.se** is owned by *the Arena*
- It is a service for **You!**
- *Only* curation of materials data.
- Easy to use: web or API

more motivation

Share your results
and you will receive a multitude
of information.

The future needs data too
By saving current data future
development will be in
uptempo!

What does data look like?

- a multitude of file formats
    - some even proprietary
- non uniform structure
- naming is not uniform
- fairly often just data fragments
- data is spread over several HDs and servers
- duplicates yield uncertainty
- no version control
- . . .

amdata.proj.kth.se

- It is a server and a Database
- code developed by NIST within the scope of MGI
- based on open packages (django, mongoDB, . . .)
- hosted by KTH-IT
  - fantastic bandwidth
  - no own commercial agenda
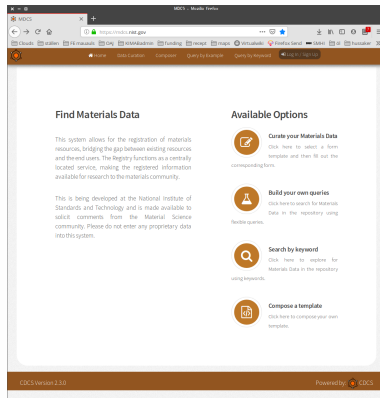 - solid
  - cheap

Features of amdata

- web interface
- API
- user centred
- structure based on *templates*

Title: jk

testAugatta

file

name

workflow

- define a template
- fill the fields with data
- save it

Several templates can coexist

Suggestion is to just have a handful of templates.

Now, it is time for template:ing

Your turn to participate!
It is one of these interactive moments