

# The technical implementation of KCDC and which parts we will use

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- Django framework + plugins = KAOS
  - kaos\_datashop (data request and download)
  - kaos\_celery (task manager)
  - common plugins (users, mails, navigation, etc)
- Celery
- RabbitMQ
- MongoDB (event storage!)
- kcdc\_on\_kaos libs & utils
  - Event export (root2mongodb)
  - Input handlers (MongoDB queries)
  - Output handlers (ASCII/ROOT/HDF5)

# Compatibility with APPDS/CORDUS

“+”

- I/O handlers as (almost) independent libraries
- Scheduler + task manager
- Notifications, error handling, etc

“-”

- Django-dependent (i.e. hard-binded with web-interface)
- MongoDB (scalability?)
- Lack of documentation

## To do:

- Implementation as separate library/application (wsgi + nginx)
- Global (independent) user database
- MongoDB → binaries (back to ROOT?)

## How to develop coherently with KCDC team?

