

## Data management pilot project report

Report date	2016 12 07	Report #	1
Project title	ScienceCloud4Cities		
Grant holder	Assoc. Prof. Alfred Heller, DTU		
Partner institutions	SDU(b) + AU		
Project start	1/8-2016	Project end	1/5-2018 (org. 02/12.2017)

### Details about the reporting

On site visit (PI's office) + participation via video conference (Zoom) December 7<sup>th</sup> 2016, 14.30 – 15.30  
Participants: Project side: PI Alfred Heller + Bertil Dorch, and Evaluator side: Henrik Pedersen + Rene Belsø + Diba Markus

### Overall assessment at this point in time

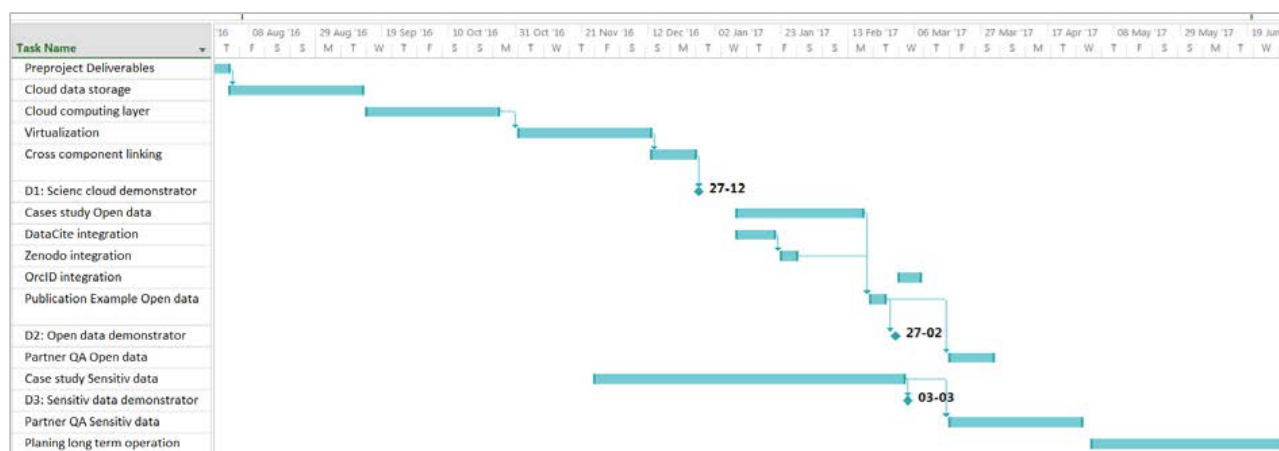
The project is on track and momentum is good. The increased demands presented by the EU General Data Protection Regulation (GDPR) that enters into application in 2018 does pose a risk to the project – some deliverables may have to be dropped (to secure means to pay for legal assistance).

### Action points for grant holder, DM Secretariat or others

	Assignee	Deadlines	Who's in the loop
PI wants to know if HW will be placed on Forskningsnettet?	Diba	ASAP	Alfred
PI needs help with tackling the increased demands of the GDPR	Henrik	ASAP	
Revised budget must be presented (mail to DM Secretariat)	Alfred	ASAP	

### Project progress so far

Original plan from application:



Deliverables are on track, e.g.:

- HW has been bought and set up in Aarhus with help from DeiC and the supplier. Due to practical reasons the HW is placed outside university premises.
- The compute part has been set up, including login (WAYF).
- [DataCite Metadata Schema](#) has been chosen for the implementation (which will take done in 2017).
- First data streams are in place, e.g. heating data from 45.000 Aarhus households (NB: Not open data), energy data from all Sønderborg households (ProjectZero). The aspiration is to secure compliance by application of [EUs INSPIRE data specification](#), which is by no means an easy task.

The compute part and setup of data streams has been achieved on an old HW platform, and will be migrated to the new setup as planned end of January. Thus, the project has already an infrastructure up and running, integrated with data.deic.dk and show casing virtual frontends usable by researchers and the coupling of big data enable technologies - all in a secure environment. This setup is already in use by a number of researchers, exploring the aforementioned data.

First "customer" will use the new HW setup in January, so the first demonstrator starts as planned.

### **Plans ahead (forecast next 6 months)**

The primary goal is to have more energy sources on the infrastructure, and work on the integrations.

### **Budget and timeline**

Due to unexpectedly high HW costs PI wishes to revise the budget so that man hours are converted to HW – if at the same time project end is pushed to 1<sup>st</sup> of May 2018, it will be possible to gear the project with 1 full time researcher for at least one year.

Budget revision and project prolongation is agreed to by Henrik, provided that the following two conditions are met by June 2018:

1. The project presents 50% co-financing.
2. All promised deliverables are delivered

### **Challenges**

- There has been a host of challenges with the accounting department due to the fact that the grant comes without overhead. This is solved now.
- The General Data Protection Regulation (GDPR) (adopted by EC and EP after all deadline) enters into application by 25<sup>th</sup> of May 2018, and this means a lot of extra work and unanswered questions, because e.g.:
  - The GDPR widens the definition of personal data, i.e. handling of data that as of now is unaffected by data protection rules, must by May '18 comply with the new rules (retroactive effect).
  - The GDPR requires that data controllers make privacy impact assessments (PIAs)
  - All organisations working with/providing personal data must comply with rules such as data minimisation, anonymisation and encryption.

Thus, PI foresees that some deliverables may have to be dropped to secure means to pay for legal assistance – either that, or extra funding needs to be found. It was discussed if DM Forum could investigate possible answers.