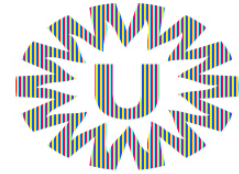


Data Stewardship Best Practices

Daphne van Beek



UMC Utr

Data Stewardship

Long-term and sustainable care
for your research data

<http://data4lifesciences.nl/hands/handbook-for-adequate-natural-data-stewardship/>

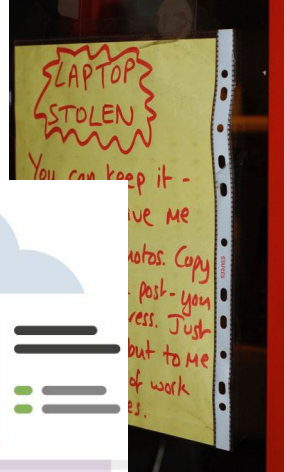
When:

Before start of project

During your project

After your project

Why data stewardship?



Nieuwe privacywetgeving
vanaf 25 mei 2018
De AVG in een notendop



Meet legal standards

Op basis hiervan mag je persoonsgegevens verzamelen
De grondslag



Toestemming
van de gebruiker



Vitale belangen



Wettelijke
verplichting



Overeenkomst



Algemeen belang



Gerechtvaardigd
belang

Het begint aan de tekentafel
Zorgvuldigheid



Functionaris gegevens-
bescherming



Privacy by design



Impact assessment

ni_p on Flickr

At the start of your project

Create a data management plan!

- Are you re-using data?
- Do you have enough resources available?
- Legal contracts in place?
- Agreements about data publication and ‘ownership’?
- Thought about metadata?

[ELSI helpdesk](#)

[DTL DMP wizard](#)

During your project

- Evaluate and update your DMP every year
 - Store your data in a correct and clear way
 - Add metadata already during the project
-
- Think about security!
 - Make use of handy tools!

Security

- No personally identifiable information on devices
- Encryption of hard drives
- Secure data transfer
 - Encryption of email (attachments)
 - Check data integrity
 - SFTP server
 - Surfdrive
- Do not use one password for all your (internet) accounts
- Proper key management
- Set up two-factor authentication when possible

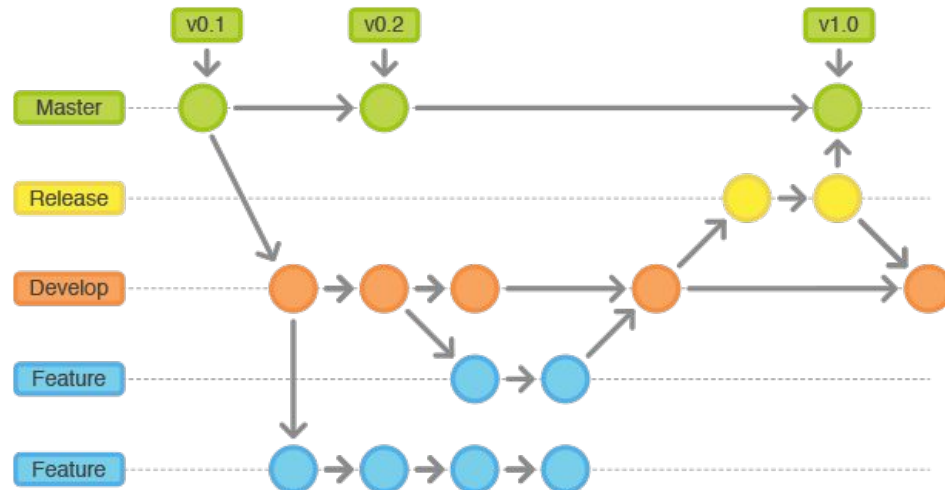
Github



- Version management of your code
- Short (1h) introduction available:
<https://services.github.com/on-demand/intro-to-github/>
- Publish your code!
- GitFlow

Alternatives: GitLab,

BitBucket (Git) or SVN-based.

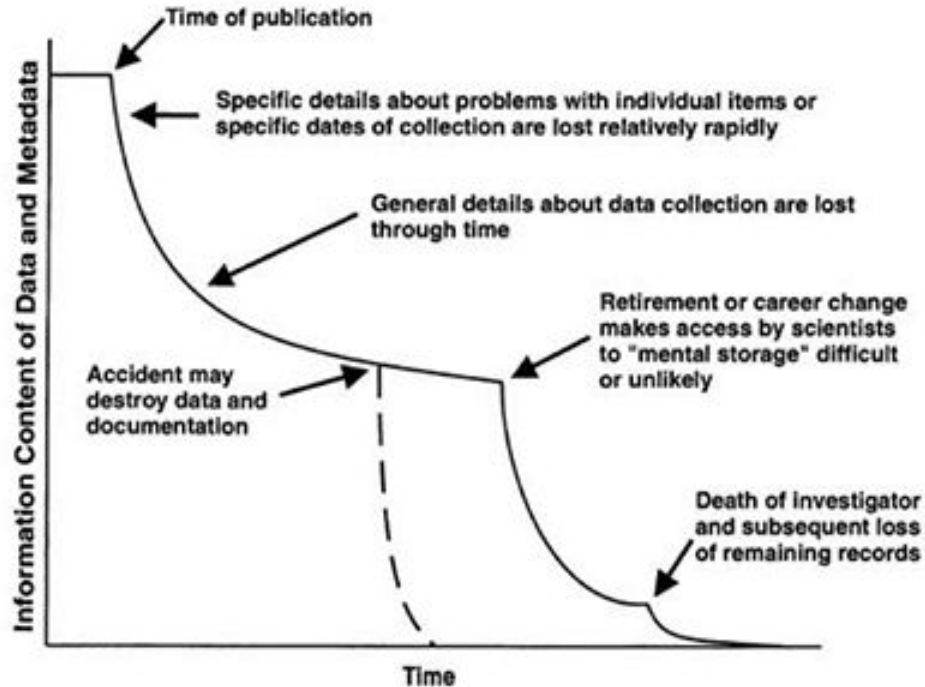


Protocols.io



- Interactive protocols for:
 - Lab
 - Bioinformatics
 - General workflow descriptions
- View on mobile devices
- Use for publication of methods!

After finishing your project



FAIRification

- Think about what you would like to FAIRify
- Create data model
- Select ontologies
- Convert your files
 - Using in-house script
 - DTL FAIRifier
- Publish them to a FAIR data point (together with original files)

References

HANDS:

<http://data4lifescience.nl/hands/handbook-for-adequate-natural-data-stewardship/>

Icons made by Dave Gandy from www.flaticon.com.

GitFlow: <https://leanpub.com/git-flow/read>