

Swiss solution:



Data & Service
Center for
the Humanities
DaSCH



born Jan. 1st 2017



Swiss Academy of Humanities and Social Sciences

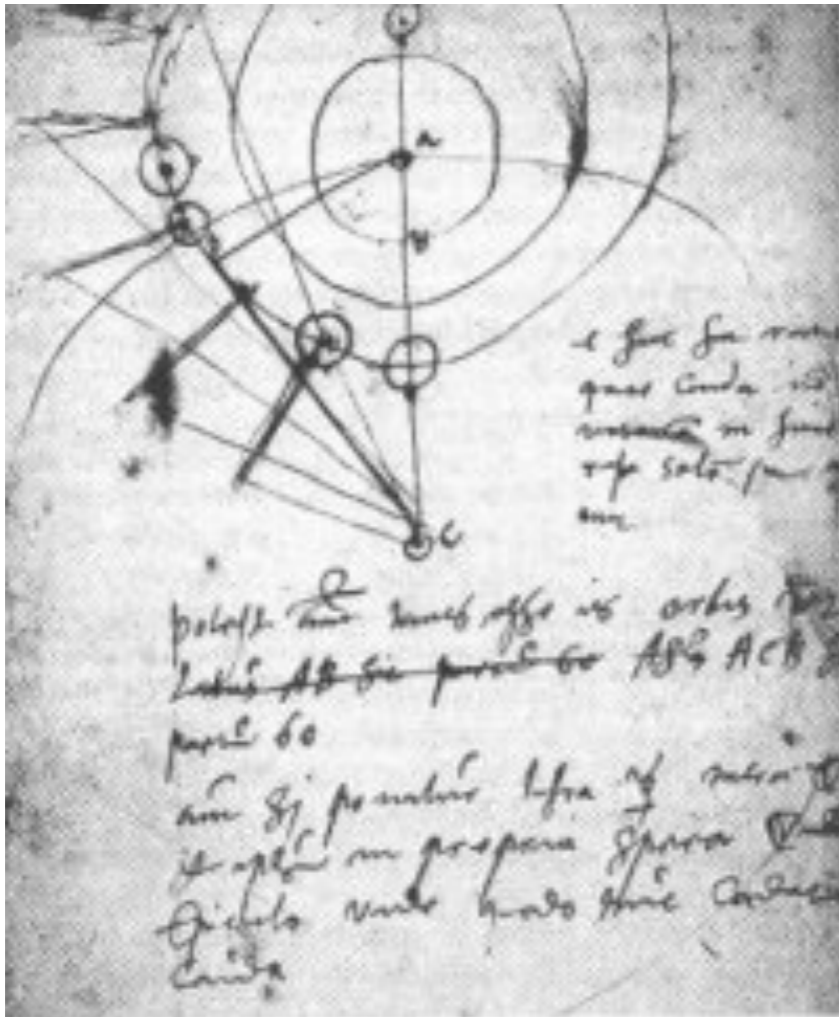


DaSCH goals

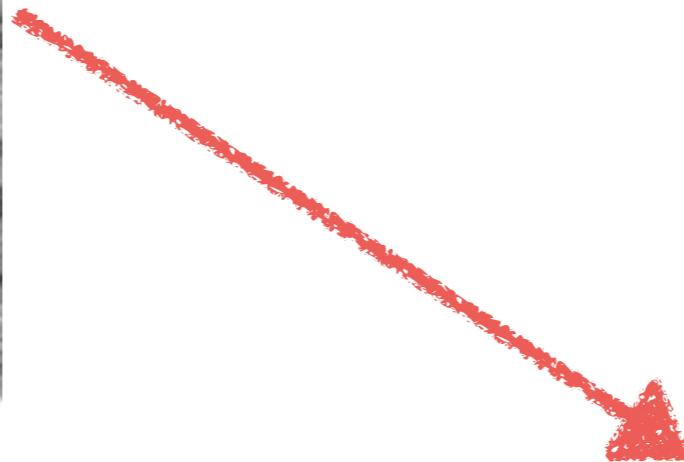
- **Securing *longterm*, *easy* and *simple access* to *qualitative research data*** in the Humanities
- **Support** of Researchers in the ***creation* of *new*** and the ***Re-use* of *existing*** digital research data

 **Service!**

- Financed by the **State Secretary of Education, Research and Innovation (SERI)** as Enterprise of the **Swiss Academy of Humanities and Social Sciences (SAHSS)**
- mandated to the **Digital Humanities Lab** of the University of Basel
- Budget: CHF 500'000.- p.a. (3.3 FTE)
- Partner: SWITCH (hosting, data storage)



Tycho Bahe's data



Kepler's theory



Tasks/Goals

- **Take-over** of *existing*, no longer maintained digital data and securing the *long-term access* to it
- **Development** and **operation** of an *adequate, reliable, robust, long-lived infrastructure* (repository-software and server-software)
- **Support** of *ongoing* and *future research projects*, that create **digital data**
 - ☞ producers of knowledge
- **Support** of **research projects** which are **(re-) using** existing research data (e.g. digital editions form the base for further research)
 - ☞ consumer of knowledge
- **training and education** („best practices“, tools etc.)
- **Networking** (national und international) & Standards

Important features: FAIR data

- All SW **open source** (github)
- **extensiv rights** and **permission system** for those cases where necessary (legal reasons, embargo period)
- persistent Id's (**PID**) using the ARK identifiers (down to the single data object)
- complete **change history** for objects and data fields
- **RESTful API** for search, metadata and data
- **long-term archival strategy:**
 - ▶ multiple redundant copies on different media (HD, MT)
 - ▶ standard formats for digital objects (data: RDF [turtle], media: J2K, mp4 etc.)
 - ▶ technology watch and migration strategies

3 models

- ***post mortem*** 🙄
Take-over of data after project ended (sometimes very long after project end)
👉 problematic:
 - often documentation weak or completely missing
 - “reverse engineering” necessary
- ***in vivo*** 😊
On-going project which faces IT-challenges and conavts the DaSCH for support, consulting or collaboration
👉 much better, but already existing data often in bad shape
- ***ab ovo*** 😊
optimal case: assistance and support from the beginning
👉 *consulting already during “grant writing”-phase*

DaSCH and NIE-INE

- it's not the same!
 - ➔ DaSCH: SBFH/SAGW
 - ➔ NIE-INE: swissuniversities P5
- very close collaboration!! (“best friends”)
 - ➔ NIE-INE partially based on DaSCH SW-infrastructure
 - ➔ NIE-INE adapts and expands the SW-infrastructure according to its needs

Information portal:
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