



wissen wohin
savoir où
sapere dove
knowing where

Long-term availability of geodata and archiving of geodata in the Public administration



Workshop Datenmanagement in Science

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Two types of preservation of geodata (Federal Act on Geoinformation GeolA)

- **Long-term availability** (nachhaltige Verfügbarkeit)
GeolA: lasting availability (dauerhafte Verfügbarkeit)
general: sustainability
 - preservation of geodata at the **producer**
(swisstopo Seftigenstrasse 264, Wabern)
 - limited time (but long-term ...)
- **archiving**
 - preservation of geodata at the **archive**
(Swiss Federal Archives, Archivstrasse 24, Bern)
 - endless



Agenda

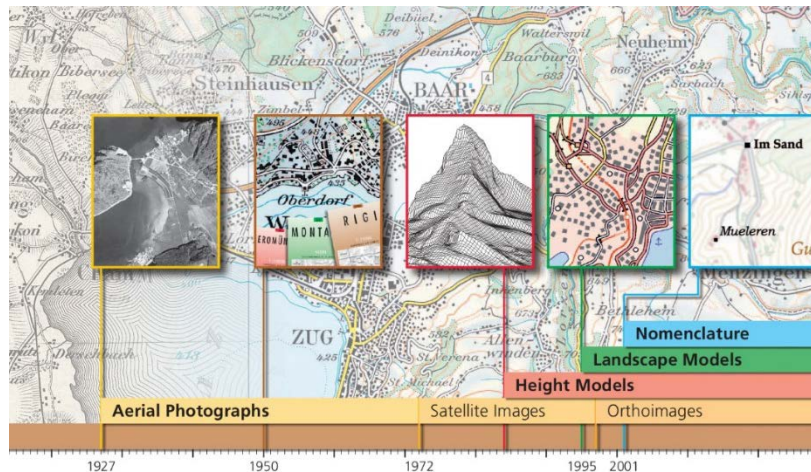
- Requirements for conservation and archiving of geodata in Public administration
- Project Ellipse
- Lifecycle Management
- Geo-Submission Information Package (Geo-SIP)



Requirements for conservation and archiving of geodata in Public administration



Legal requirements for conservation and archiving of geodata - Proof of what an office has done
→ Swiss Federal Archives



Temporal analyse of the real world on the basis of temporal features of geodata
→ Long-term availability



Project Ellipse

Archiving of geodata



Archiving of geodata on the federal level focuses on the archival storage of geodata for an unlimited period of time. The archived geodata should be made available in a future geo information system. Within the project Ellipse, swisstopo and the Swiss Federal Archives (SFA) are developing a solution for the archiving of geodata. The project Ellipse was finalized at the end of 2016 and the results are documented in the manual for the Archiving of Federal Geodata.



Documents

Links

 [Manual on the archiving of federal geodata](#)

PDF, 28 page(s), 11 MB, English

 [Geo-SIP and geo-dossier specification](#)

PDF, 17 page(s), 1 MB, English

 [Information sheet - specification for an archivable geofomat for image and graphic raster data](#)

PDF, 6 page(s), 672 KB, English

 [Ellipse project - concept for the archiving of official federal geodata](#)

PDF, 104 page(s), 2 MB, English

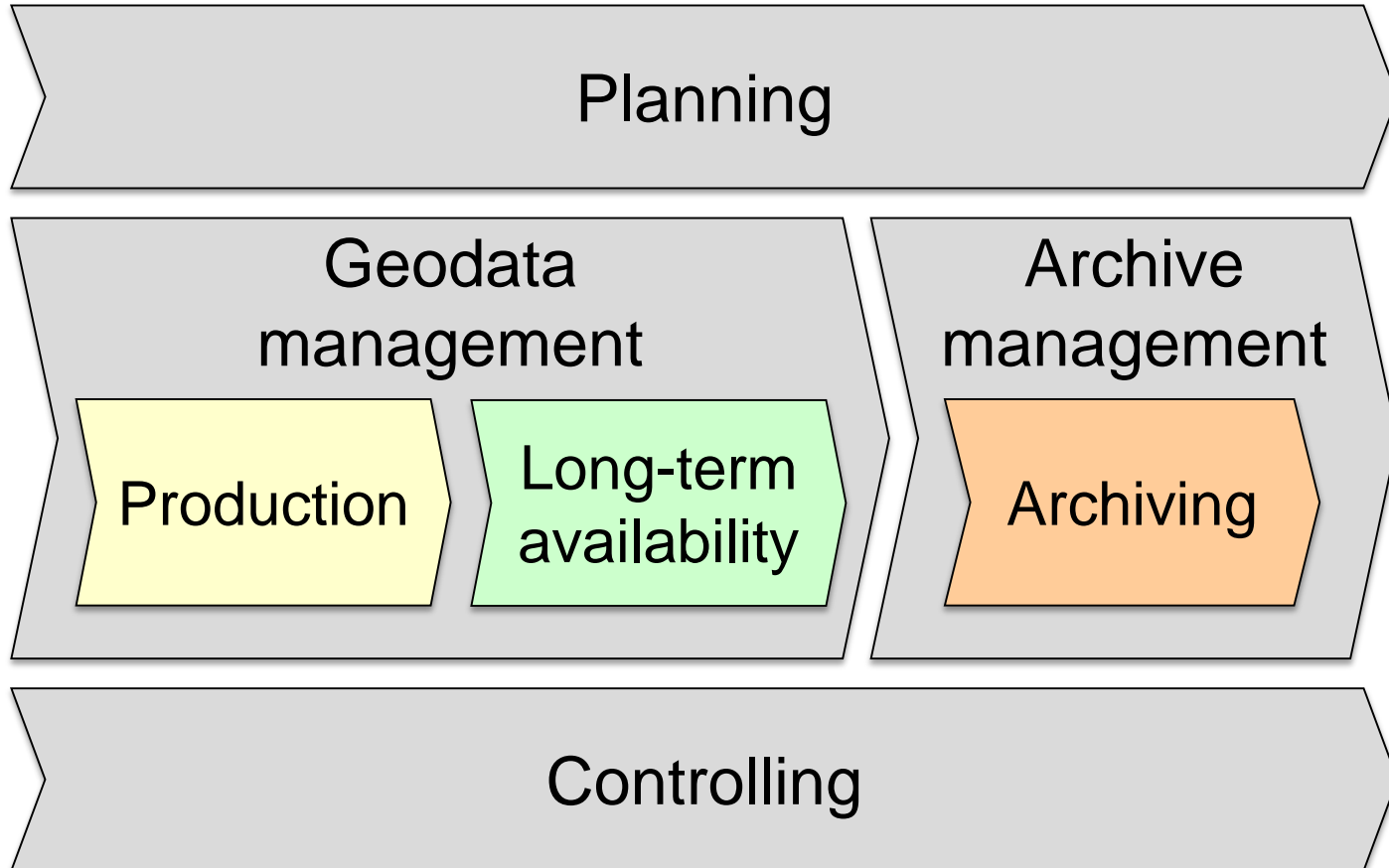
 [GI+100: long term preservation of digital geographic information - EuroSDR](#)

PDF, 9 page(s), 271 KB, English

<https://www.swisstopo.admin.ch/en/knowledge-facts/geoinformation/landschaftsgedaechtnis/langzeitaufbewahrung/archivierung-geodaten.html>



Lifecycle Management





Lifecycle Management



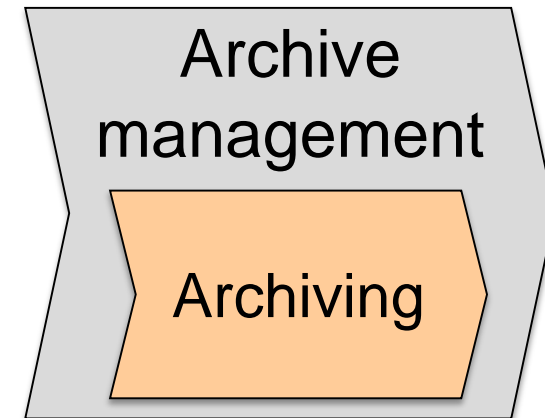
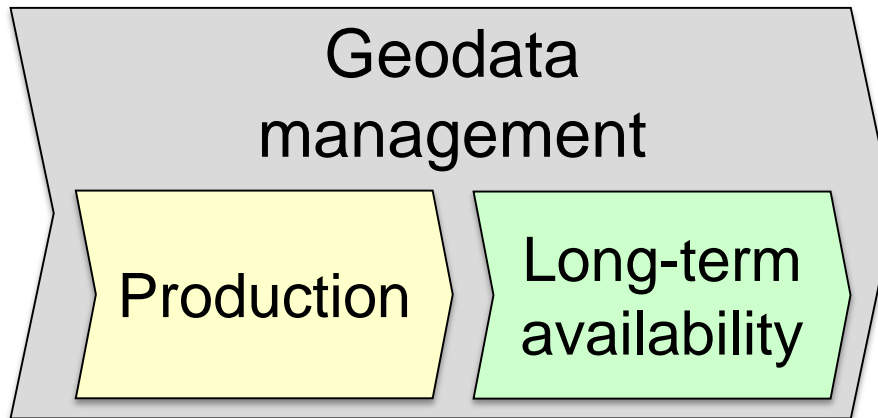
instead of geodata ...



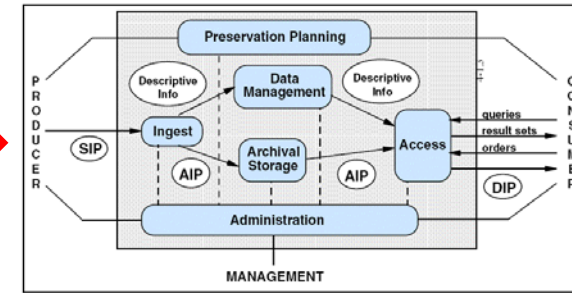
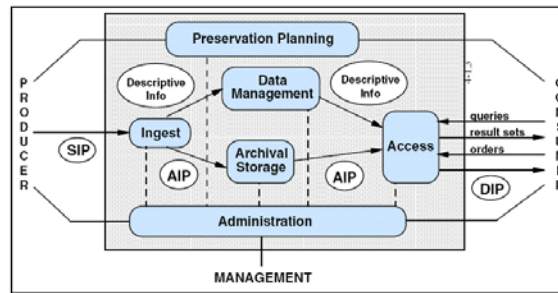
«frigid» geodata



«frozen» geodata



coupling of 2OAIS reference models
 (ISO **O**pen **A**rchival **I**nformation **S**ystem)



Long-term availability – Archiving of geodata

Criteria	Long-term availability of geodata	Archiving of geodata
duration	limited time	endless
GIS-functionality	yes	no
data format	common	archive compatible
responsible	authorities responsible	Archives



«frigid» geodata



«frozen» geodata

Geo-Submission Information Package (Geo-SIP)

