



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Office of Civil Aviation FOCA
Safety Infrastructure/ section Airspace

Digital Datasets

Implementation Switzerland

Experiences, challenges, lessons learned

EUR/MID Region WS Cairo, 22. May 2022

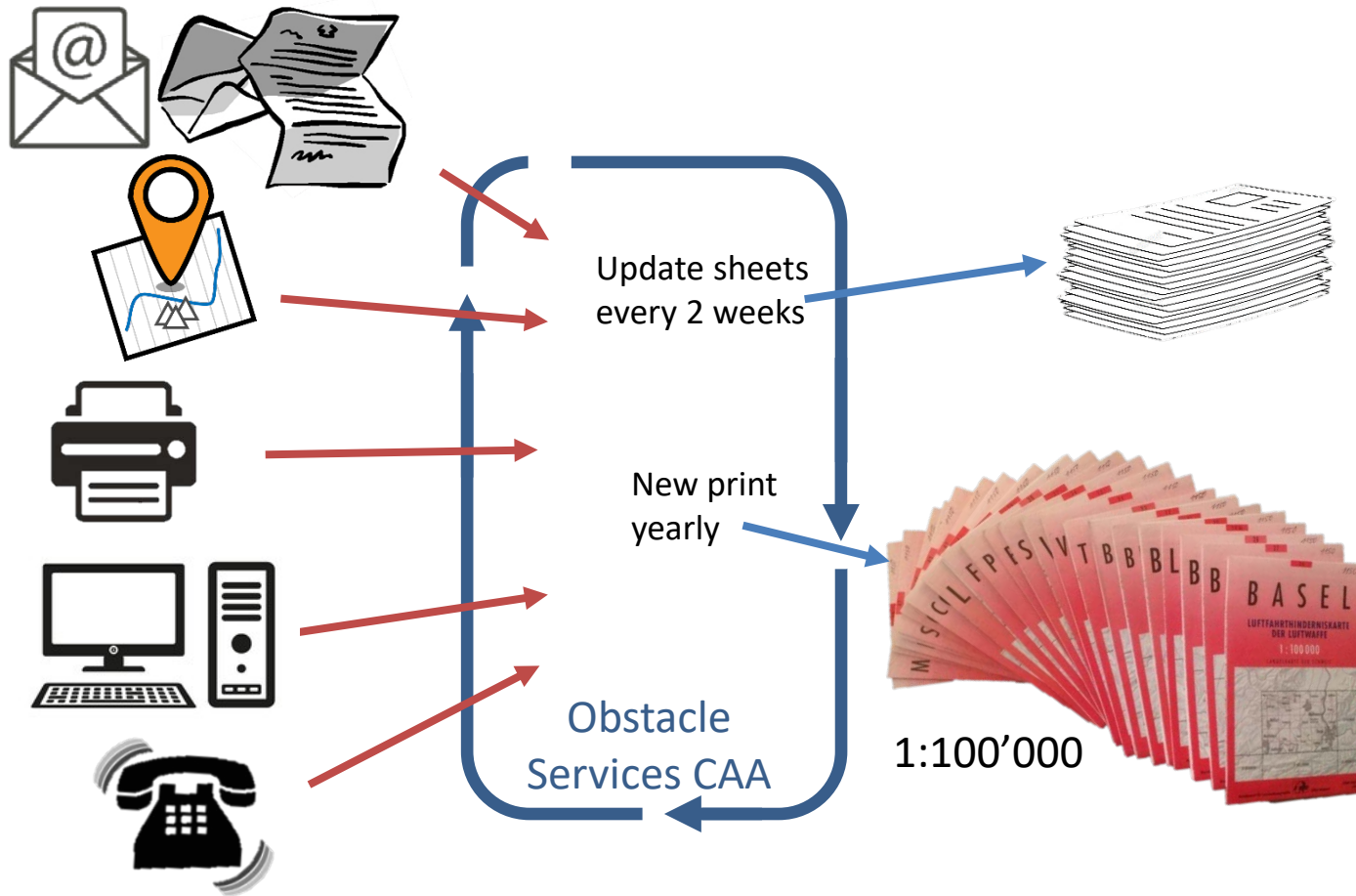


Agenda

- History on Switzerland's Dataset evolution
- Digital Data Chain – a prerequisite
- AISP's Challenge The regulators Role
- A States challenge
- What we do...
- Conclusions
- Q & A



History on Switzerland's Dataset evolution

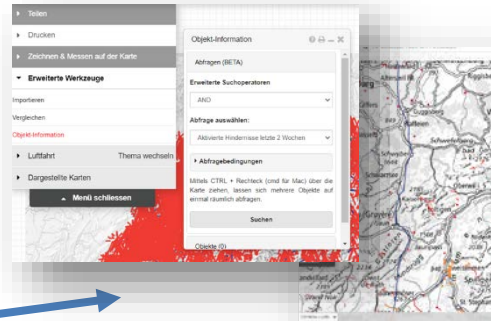
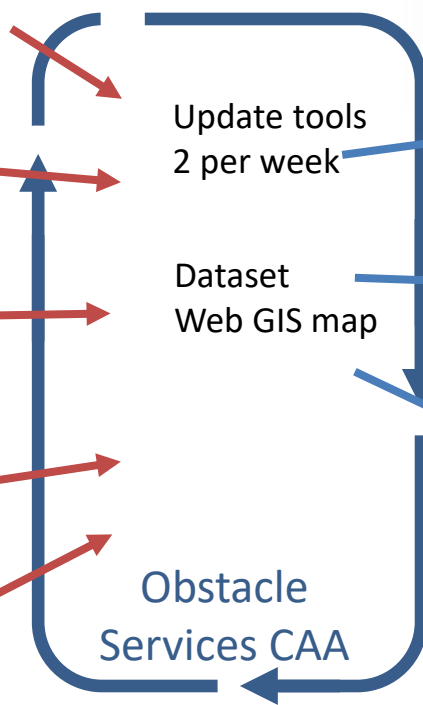
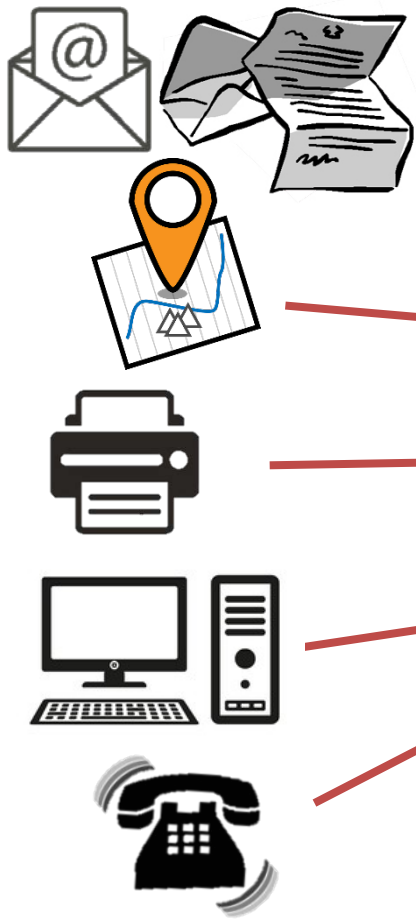


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History on Switzerland's Dataset evolution

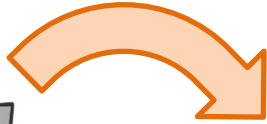


[WEBGIS Obstacle map CH](#)



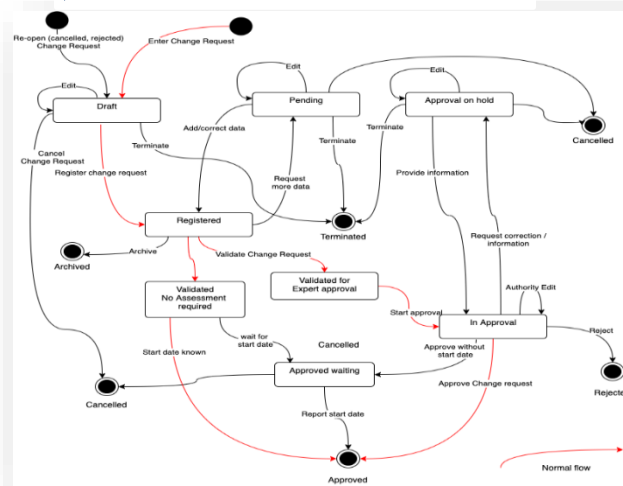
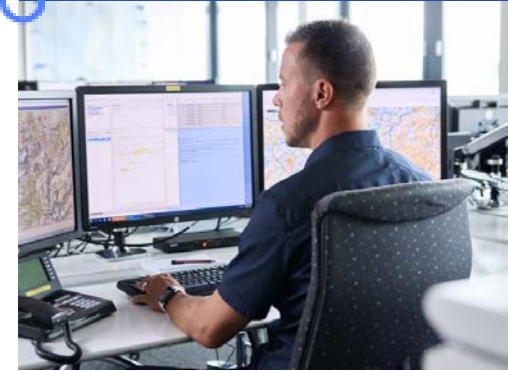
Digital Data Chain – a prerequisite

Aeronautical Data



skyguide

Aeronautical Information Management (AISP)



Data Collection Service (DCS)
Switzerland (obstacleportal.ch)

Geo-Services

Presentation-S.

Aeronautical Information incl. Digital Datasets

Data Origination

Data Management

Data Provision



AISP's Challenge





A States challenge



- Missing **Digitalization**
- Missing **Competence**
- Missing **Interfaces**
- **Missing** national regulatory framework
- **Challenging** and Costly Transition
- **Inefficiency** due Data Digitalization
- **Hindered evolution** towards automated Data Management
- Datacentric Production **disabled**
- **Efficiency** loss
- Timeliness **remains a challenge**
- **Limited** digital data available
- **Efficiency** loss
- Timeliness **remains a challenge**



What we do...



- Establish a **national regulatory Framework**
- Introduction of **Data Collection Services**
- Establishing a **national Training Set-up** for Data-Chaing Stakeholders
- Support **Digitalization**
- Enable **Transition**
- Require **Datacentric and automated evolution**
- Require **Datacentric Production**
- Phase out **Tables and Paper-production**
- Listen to **requirements and needs (next intendes User Platform)**
- Ensure **Transition**
- Require use of **digital Products**

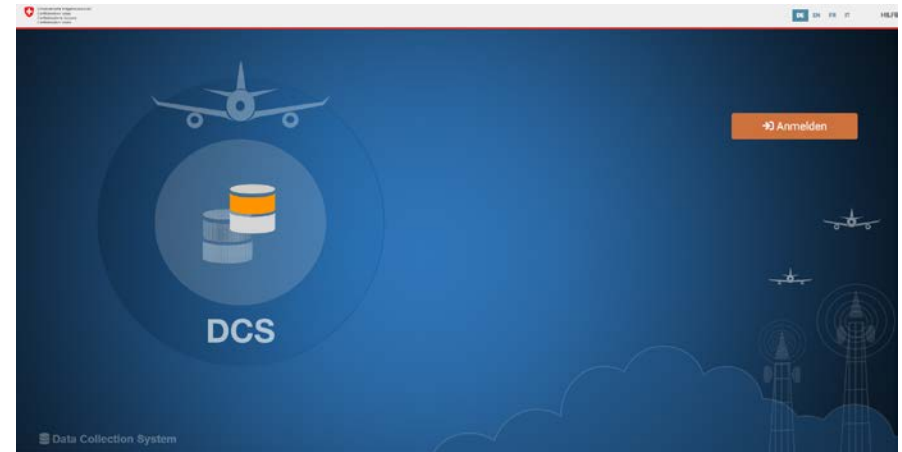


Conclusions

- Efficient and quality ensured Data Set Provision requires a **full digital Data chain** starting at data Origination
- Besides the given Data Set requirements by ICAO and EASA – respect **next intened users requirements and needs**
- Implementation of Digital Datasets is not just the implementation a new AIS Product, it requires a **managed and orchestrated Process of digitalization including all Data Chain Stakeholders**



Q and A

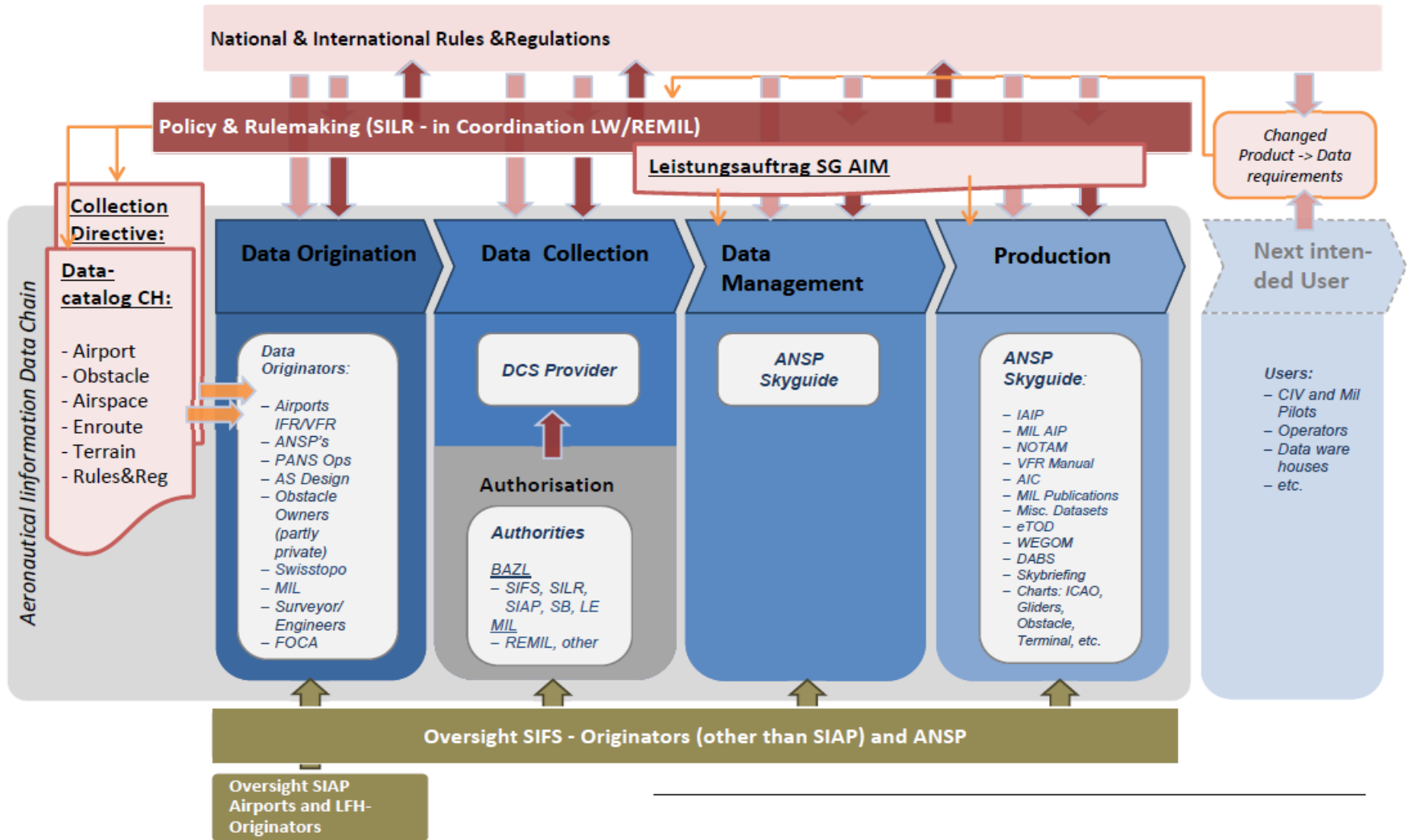


[DCS Switzerland](#)
[Data catalogue Switzerland](#)

THANK YOU!



DCS in the Data Chain





Status of evolution in Digitalization

ICAO ASBU Roadmap to 2035

