



Session 2.2 – Data Catalogue

Institutional significance and potential regional benefits

Interregional EUR MID WS - Paris

20180710



Content

1. ICAO versus national Data Catalogue
2. How to establish
3. How to drive it
4. How to benefit as a State
5. How to benefit as European region



...or you prefer something else?





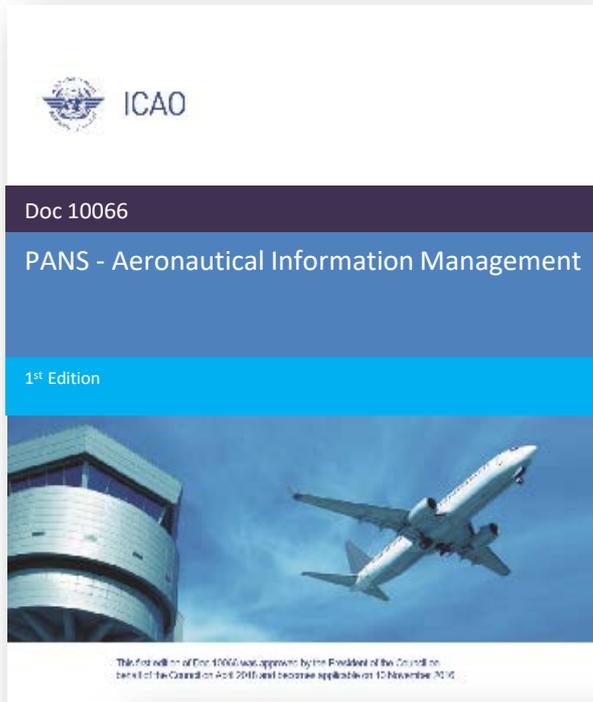
...did you ensure?



- your pantry holds the needed ingredients?
- Obtainable?
- the right quality?
- Collection at the appropriate store?
- At affordable price?



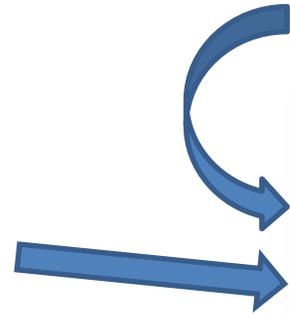
1. ICAO vs national Data Catalogue



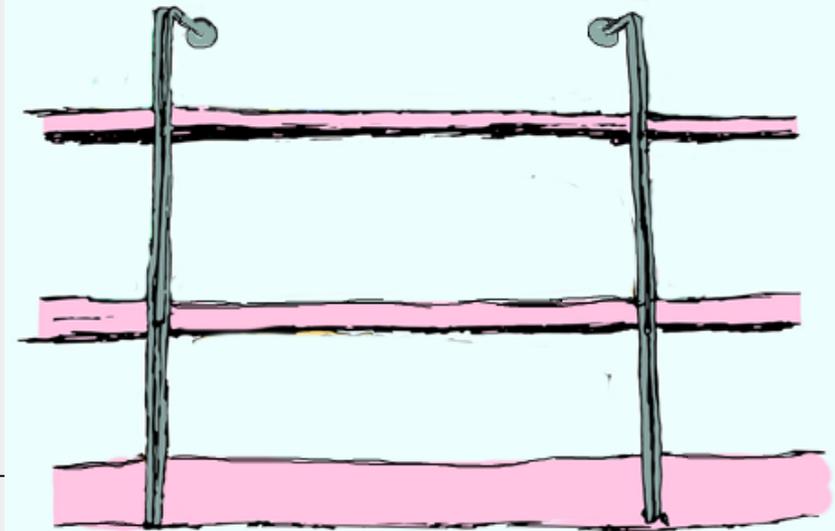
ICAO Catalog includes global overall possible scope.

What do you want on your national AIM pantry?

What are your additional needs and requirements?

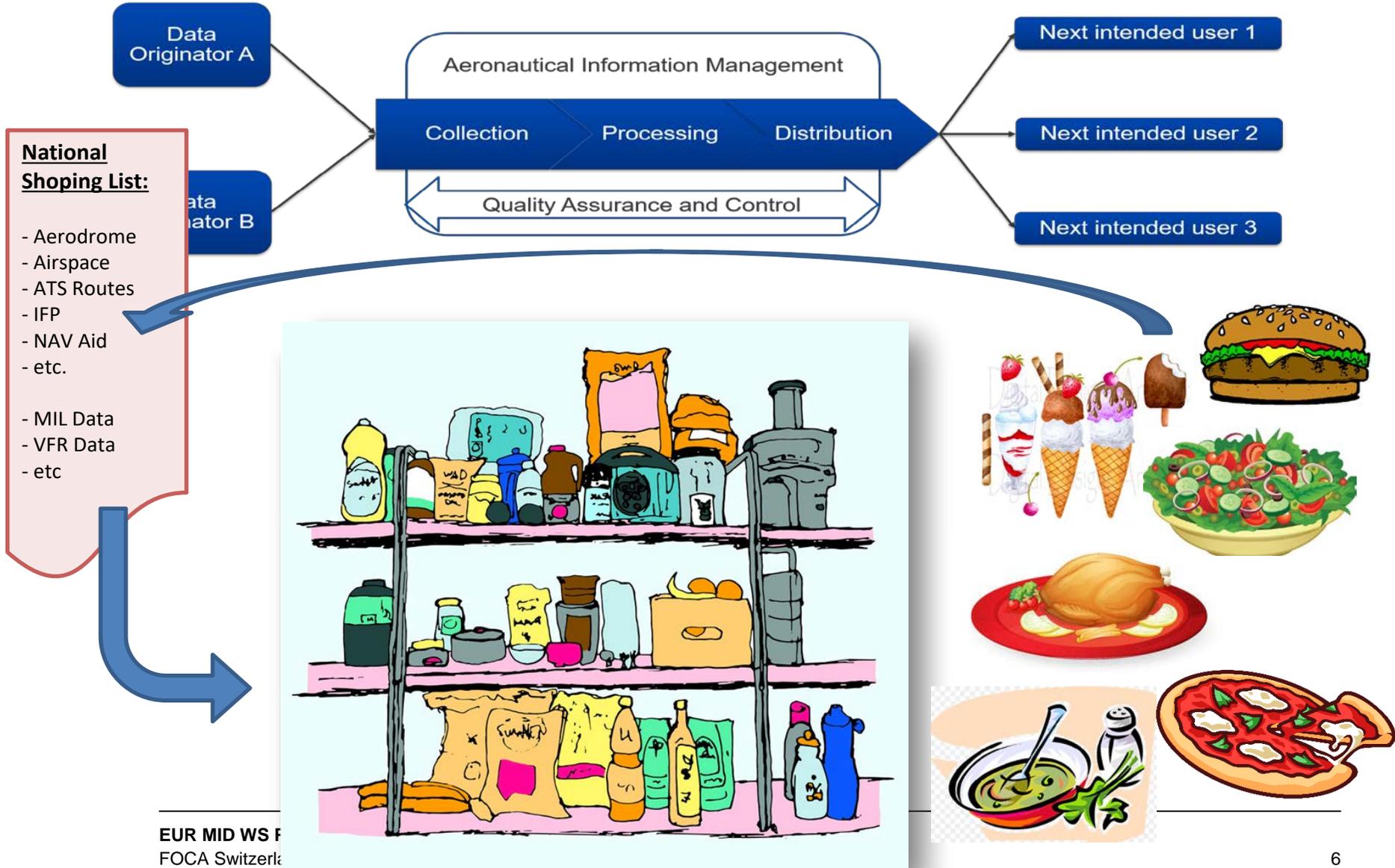


- ✕ PANS-AIM -- Appendix 1 -- Table A1.1 Aerodrome.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.2 Airspace.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.3 ATS_Routes.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.4 IFP.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.5 Navaid.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.6 Obstacles.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.7 GeographicInformation.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.8 Terrain.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.9 Data type.xlsx
- ✕ PANS-AIM -- Appendix 1 -- Table A1.10 Other information.xlsx





How to establish?





How to drive it

4. Make it legally applicable to all in the chain! And organise costallocation!

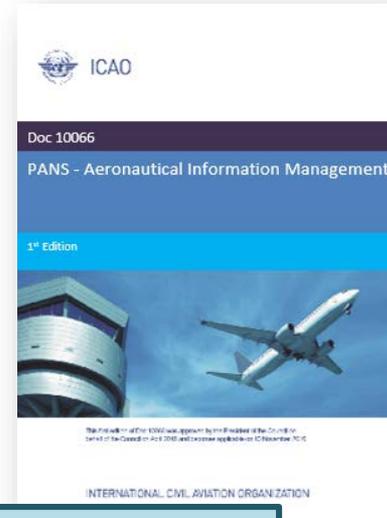
3. Update national Data Catalogue by

- Defining scope
- Defining DQR
- Additional req. information

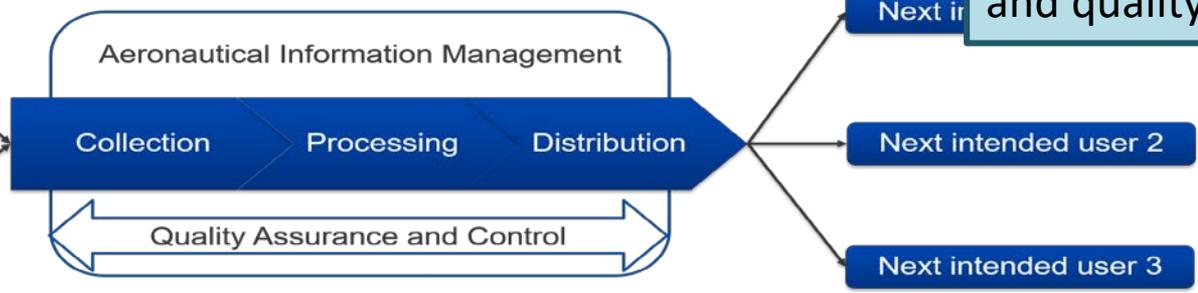
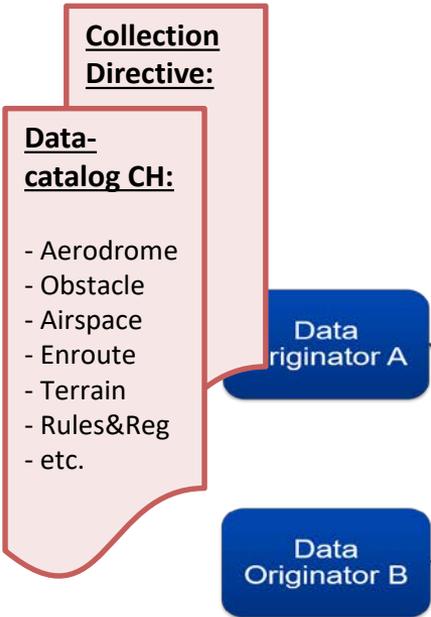
1. Know international/national rules

2. Know / get to know the next intended users needs!

Required Data and quality



- Appendix 1 -- Table A1.1 Aerodrome.xlsx
- Appendix 1 -- Table A1.2 Airspace.xlsx
- Appendix 1 -- Table A1.3 ATS_Routes.xlsx
- Appendix 1 -- Table A1.4 IFP.xlsx
- Appendix 1 -- Table A1.5 Navaid.xlsx
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How to benefit from national Data Catalogue

Whilst the ICAO data catalogue addresses what aeronautical data may be collected, a national Data Catalogue may serve

- to organise the relationship between the AIS and its aeronautical data originators making all originators known to the AISP incl. originators of national data
- as the Base for appropriate cost allocation
- to ensure the national data scope including all collected and provided data including its data quality
- as ‘shopping list’ for the next intended user, interested to know of the availability of the collected aeronautical data and if required evaluate its quality and suitability for the intended use
- As a baseline for auditing a data-centric AIM Data Chain



How to benefit – national

Data integrators and data users would largely benefit from the availability of the States aeronautical data catalogues to determine:

- which data elements are collected and maintained by the designated State AIS;
- the resolution and integrity of all provided data and information including additional national data or differing data quality;
- the suitability and availability of the data and information for new products, services and applications, etc.



How to benefit national

Furthermore, the European States would benefit amongst other by

- having a transparent data framework with defined responsibilities for origination and authorisation
- being able to regularly adapt the aeronautical data scope triggered by regulation and user needs
- providing a documented baseline for oversight management of the State's aeronautical data chain
- adaptive safety and risk assessment processes across states on additional Data or differing data quality.



How to benefit regional

The availability of the States' aeronautical data catalogue in harmonised regional manner would facilitate

- Harmonized Data Catalogue extensions across European Region (e.g. VFR, MIL, OAT, HEMS requirements including the relevant quality requirements)
- the communication between ICAO (global regulatory consistence), EASA and States (regional regulatory consistence) as well as Eurocontrol (e.g. EAD) and the ANSPs
- scope of effective availability of required aeronautical data
- support in sharing best practice and risk assessment methodology for differing data scope or data quality



And finally

The positive effects of the availability of national Data Catalogues are proven!

ICAO could play an important role in Europe

- supporting european harmonization
- including national specialities in a regional way
- sharing of best practice and methodology
- making national data catalogues electronically available at regional level



..you still want pizza everyday?



Thank you!

