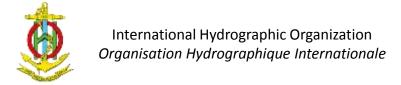
#### S-101 ENC Project Team

# S-101 Exchange Catalogue

Presented by KHOA





# Background

#### Technical cooperation project between KHOA and NOAA

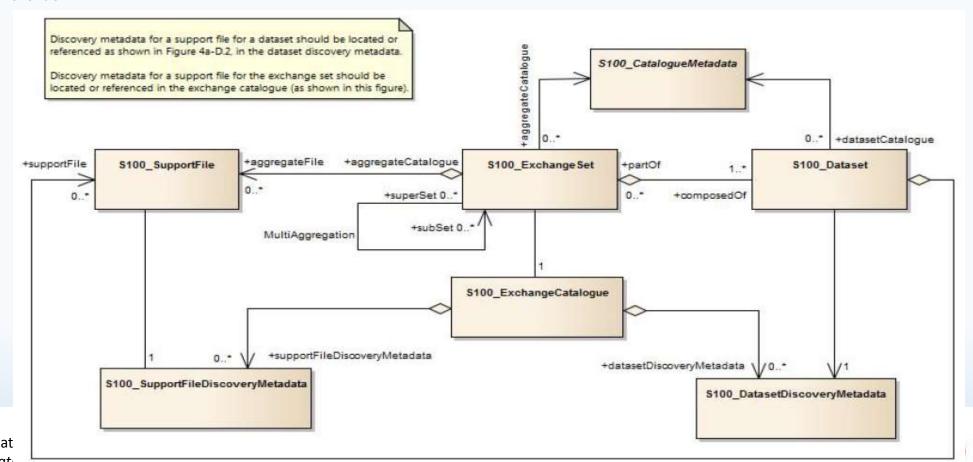
- Support the S-100 test bed
- The task was to develop Exchange Catalogue Editor which satisfies Exchange Catalogue data model included in S-100 3.0
- To use it for S-100 test bed



### Overview of S-100 Exchange set

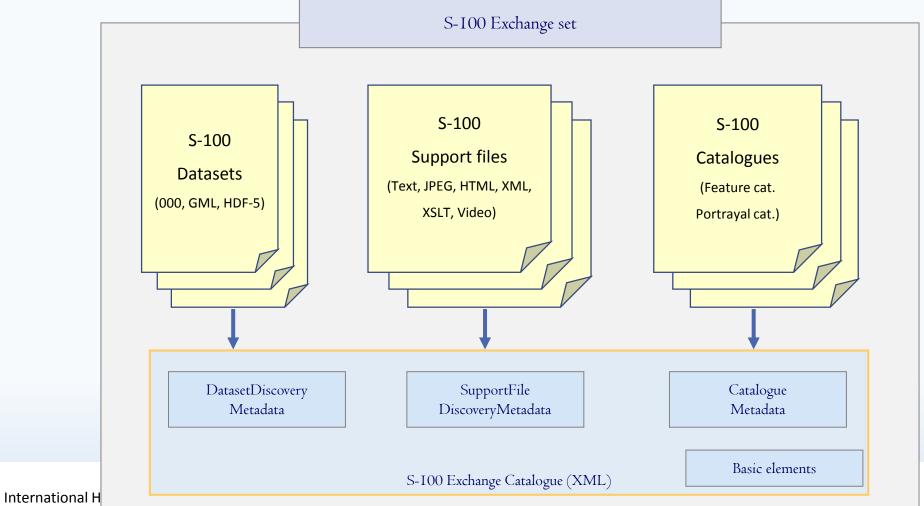
#### Structure of Exchange set

a container that combines all the elements needed for the exchange of S-100 data



# Overview of S-100 Exchange set

#### Structure of Exchange set

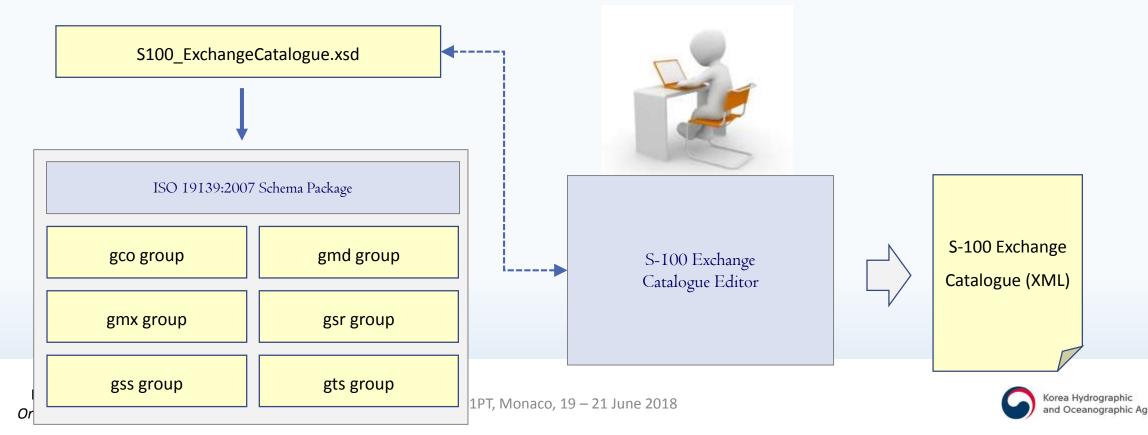




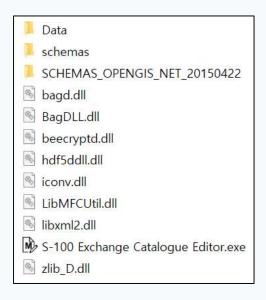


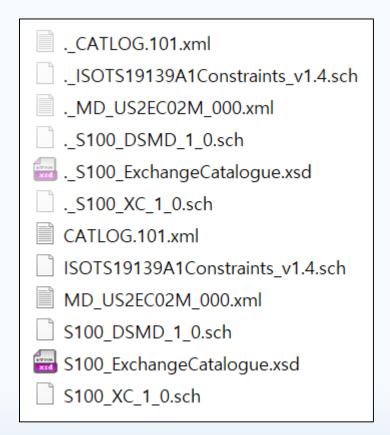
### Considerations for S-100 Exchange Set Editor

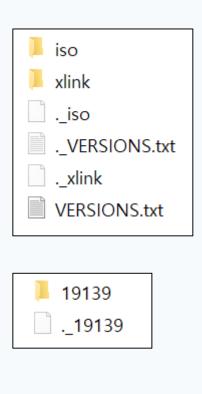
- S-100 Exchange Catalogue XML
  - defined in S100\_ExchangeCatalogue.xsd
  - making reference to ISO 19139:2007 Schema Package
  - The change of schema impact on S-100 Exchange Catalogue Editor

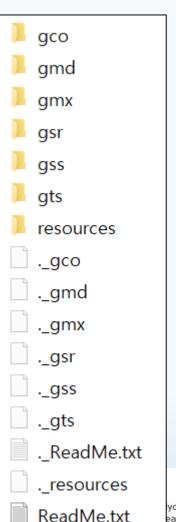


#### S-100 Exchange Catalogue Editor

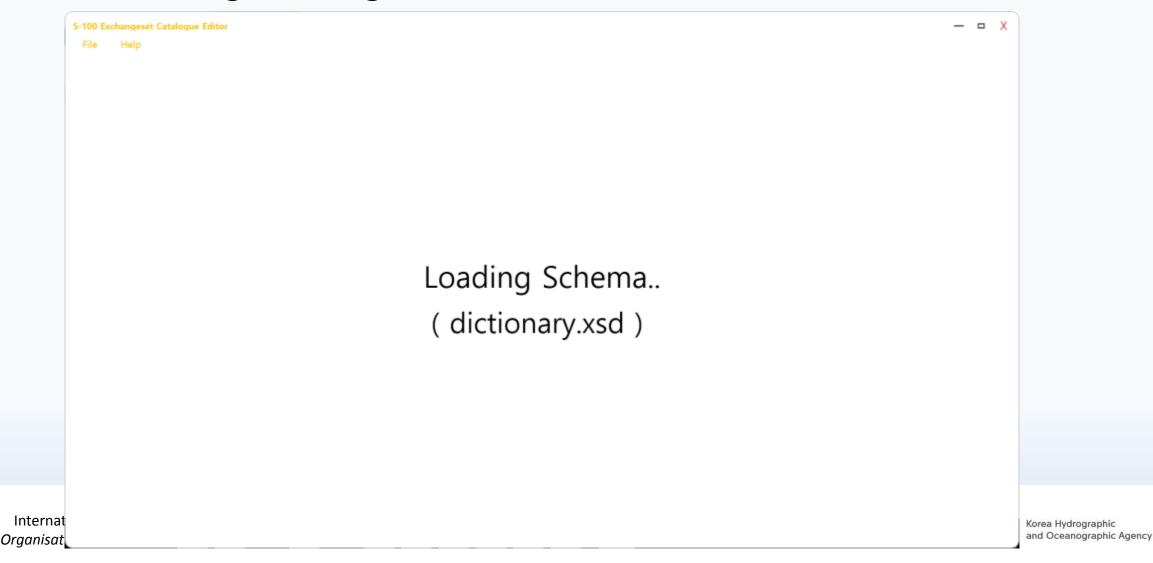




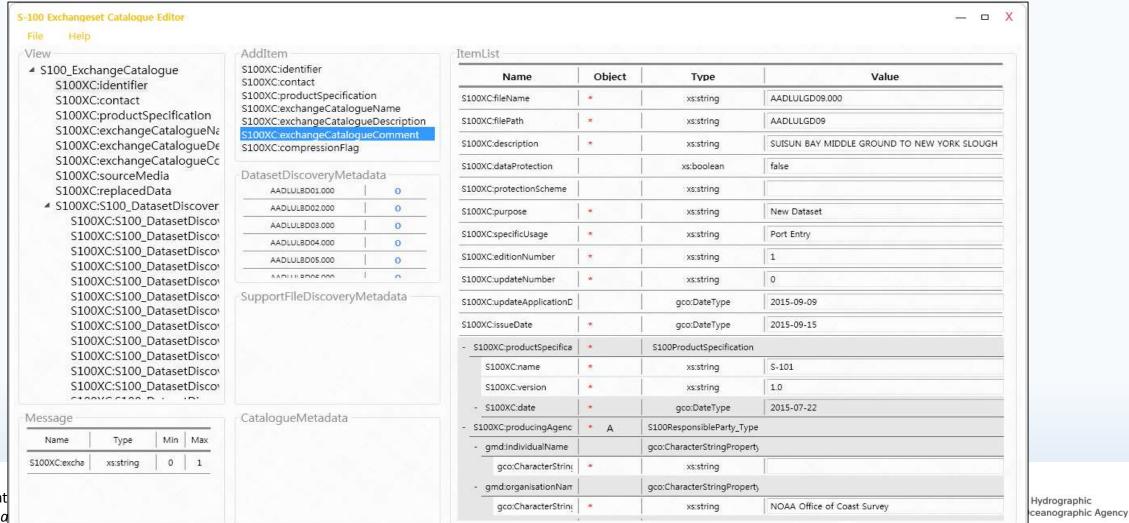




• S-100 Exchange Catalogue Editor



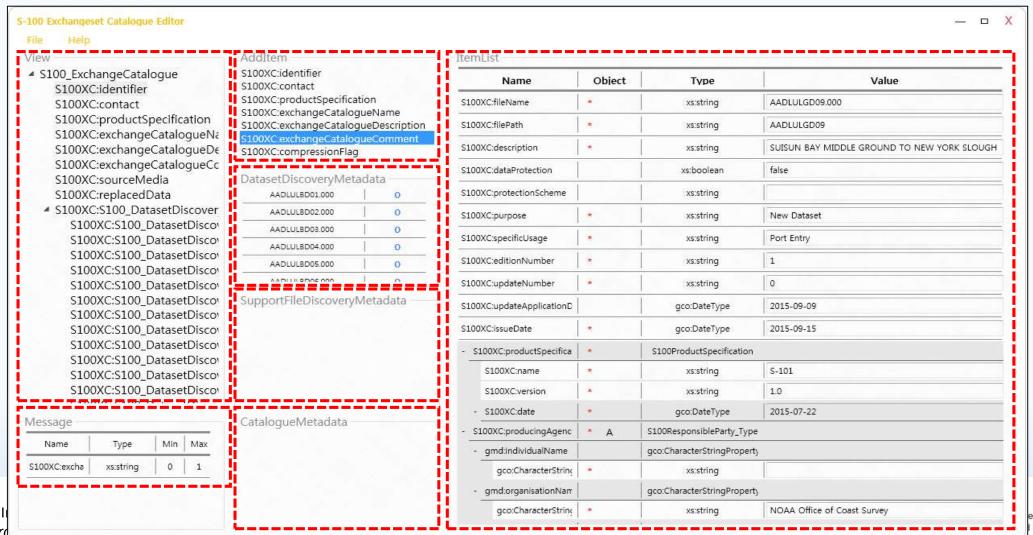
S-100 Exchange Catalogue Editor





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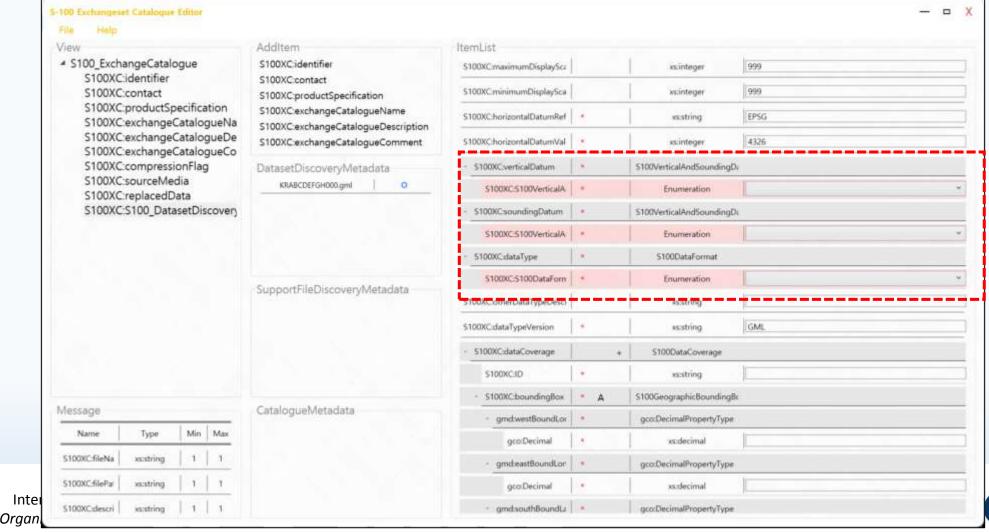
S-100 Exchange Catalogue Editor





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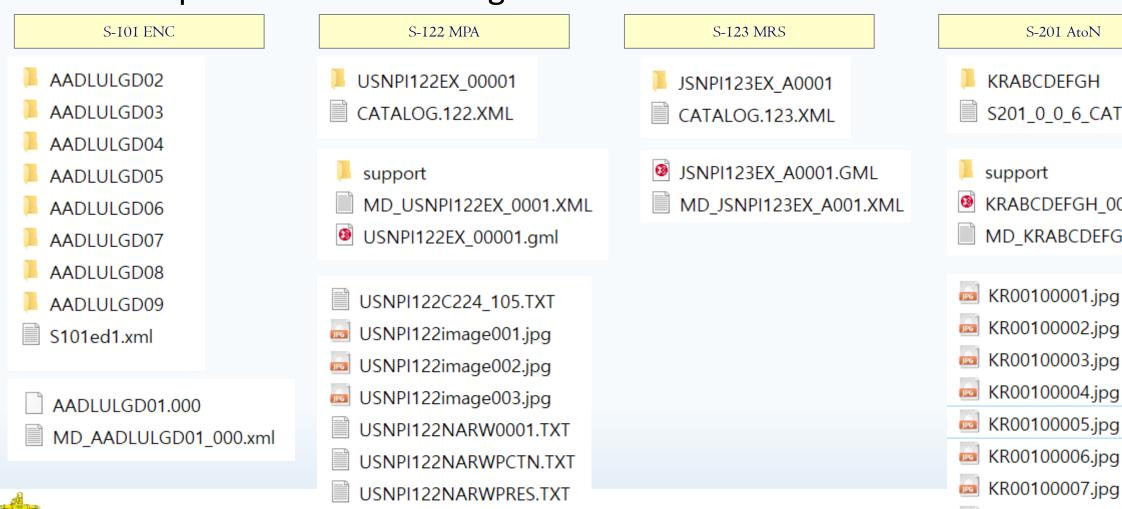
S-100 Exchange Catalogue Editor





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#### Examples of S-100 Exchange set



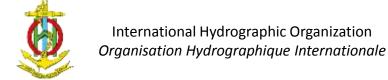
USNPI122NARWREPT.TXT

**KRABCDEFGH** S201\_0\_0\_6\_CAT.XML KRABCDEFGH 000.gml MD\_KRABCDEFGH\_000.xml KR00100001.jpg KR00100002.jpg KR00100003.jpg KR00100004.jpg

and Oceanographic Agency

KR00100008.jpg

- Review of the development
  - KHOA research team reviewed the outcome of developing S-100 Exchange Catalogue Editor using the cases from S-101 ENC, S-122 MPA, S-123 MRS, and S-201 AtoN Exchange set





#### Conclusions

#### Technical cooperation project between KHOA and NOAA

- The task was to develop S-100 Exchange Catalogue Editor
- stand-alone S/W which S100\_ExchangeCatalogue.xsd and ISO 19139:2007
  Schema Package can be loaded and which can create exchange set to include Exchange Catalogue
- It is planned to use the Editor for S-100 Test Bed



#### Update since the S-100WG3

 Automatic search of spatial information in S-101 Data Coverage and add those information to the Dataset Discovery Metadata





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### Future plan

- Improvement of Exchange catalogue editor
  - Discussion of S-100 exchange catalogue for other product specification
  - Add a function of multi exchange catalogue schema
  - Consideration of any feedback
- Creation of S-101 Test datasets
  - If TDS, Support files, Feature catalogue, Portrayal catalogue are ready
  - The tool can be used for creating the S-101 Test datasets

