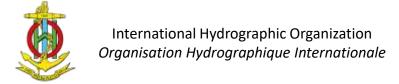
IHO S-100 Working Group

S-100 Exchange Catalogue Editor

Presented by KHOA (Sewoong OH)





Background

Technical cooperation project between KHOA and NOAA

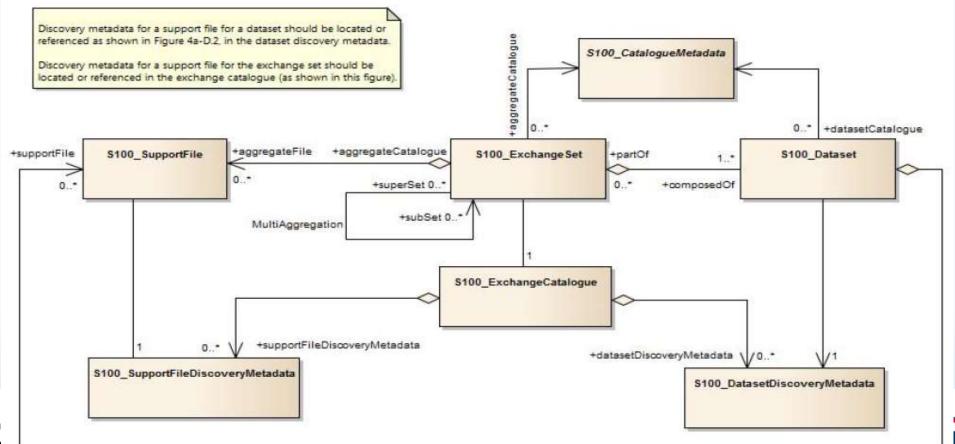
- Support the S-100 test bed
- The task was to develop Exchange Catalogue Editor which satisfies Exchange Catalogue data model included in S-100 3.0
- To use it for S-100 test bed



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

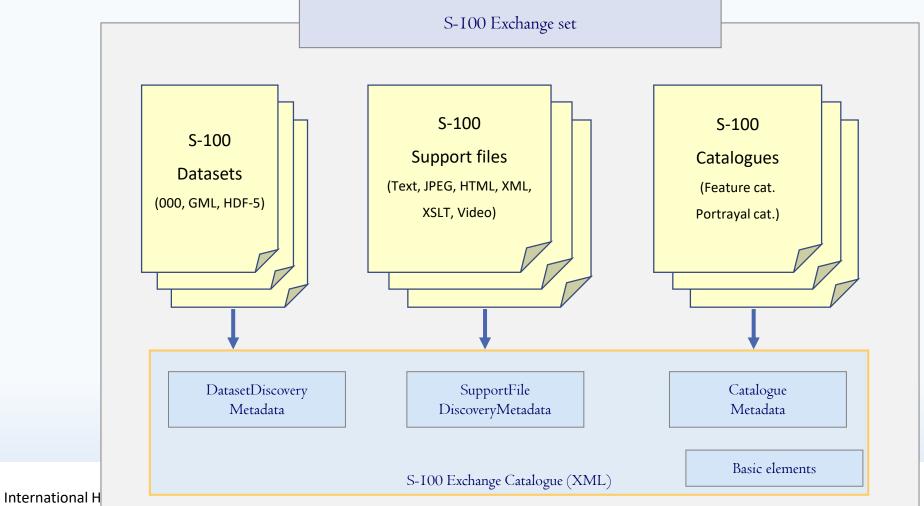






Overview of S-100 Exchange set

Structure of Exchange set

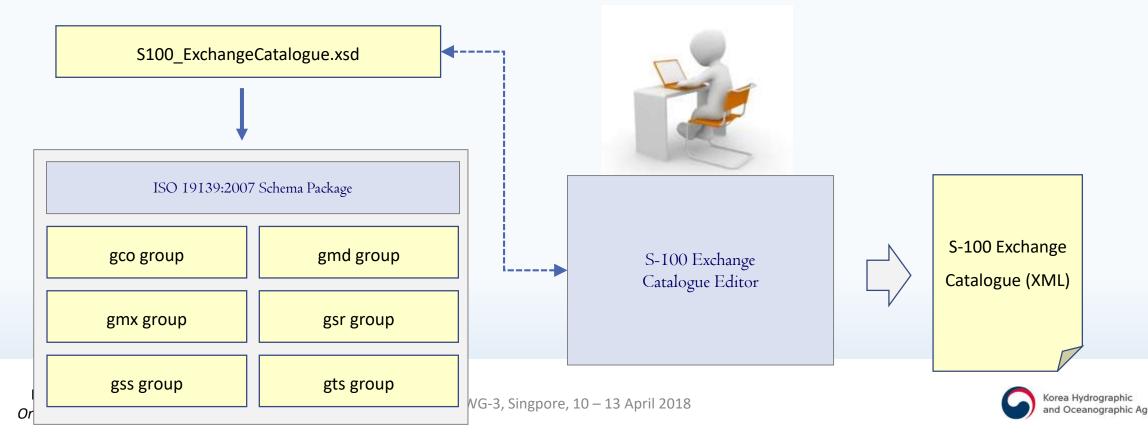




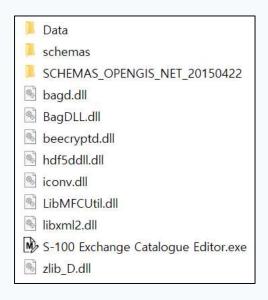


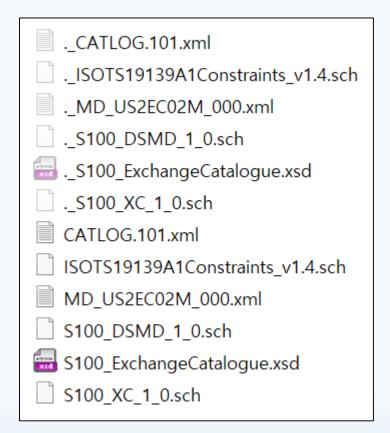
Considerations for S-100 Exchange Set Editor

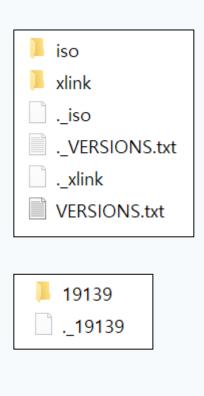
- S-100 Exchange Catalogue XML
 - defined in S100_ExchangeCatalogue.xsd
 - making reference to ISO 19139:2007 Schema Package
 - The change of schema impact on S-100 Exchange Catalogue Editor

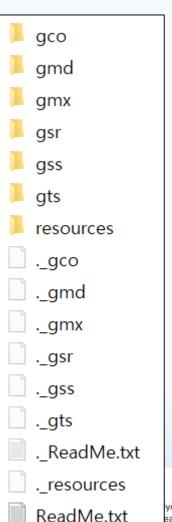


S-100 Exchange Catalogue Editor







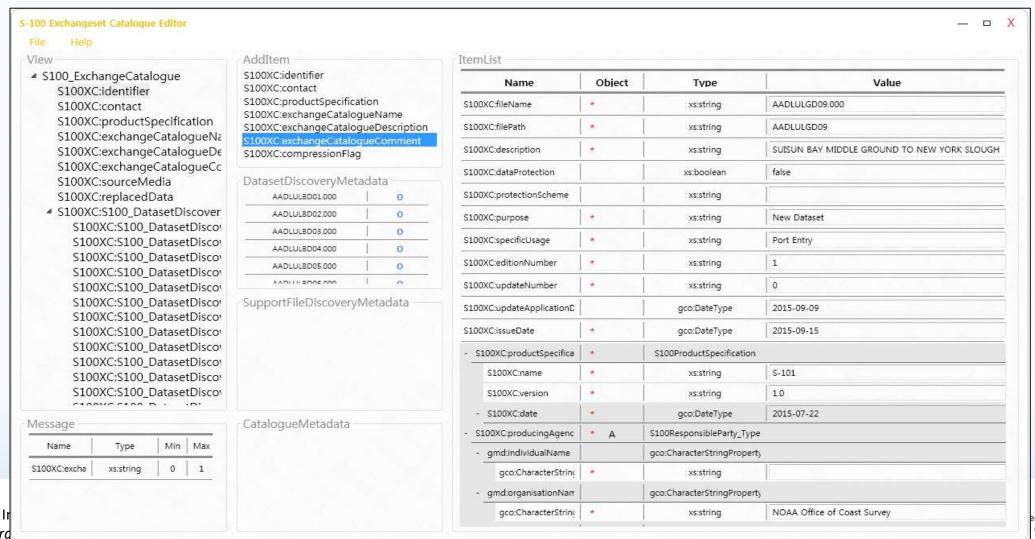


• S-100 Exchange Catalogue Editor





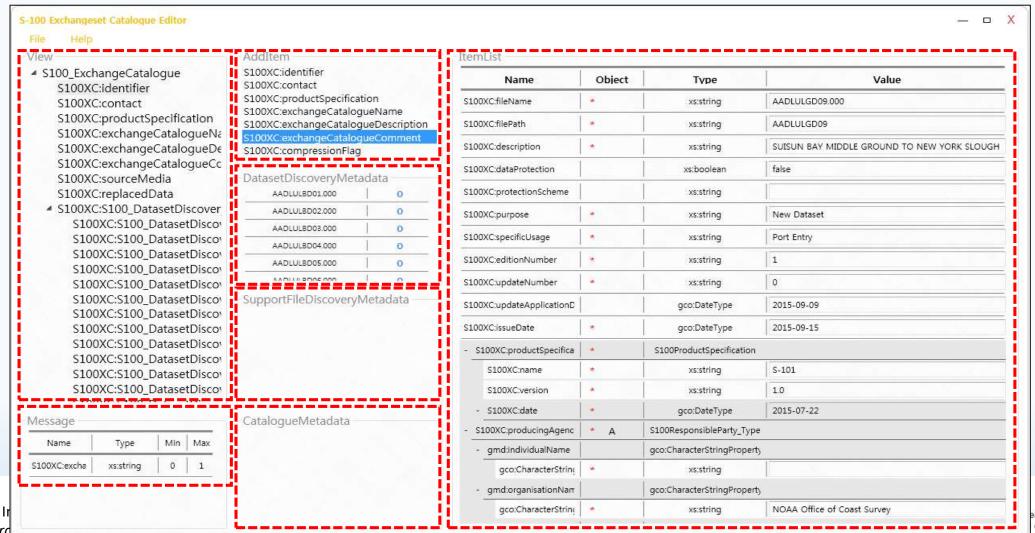
S-100 Exchange Catalogue Editor





ea Hydrographic Oceanographic Agency

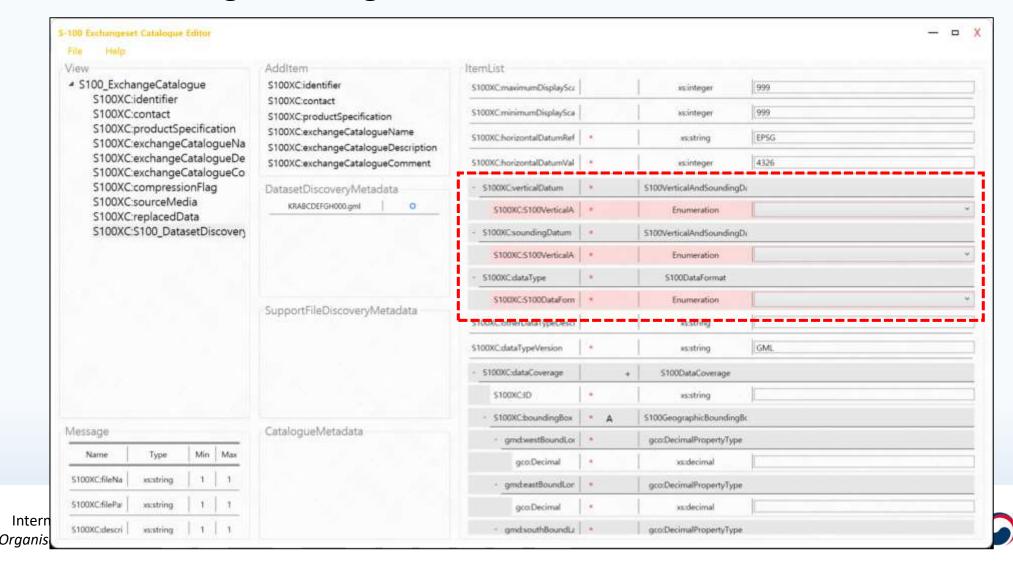
S-100 Exchange Catalogue Editor





ea Hydrographic Oceanographic Agency

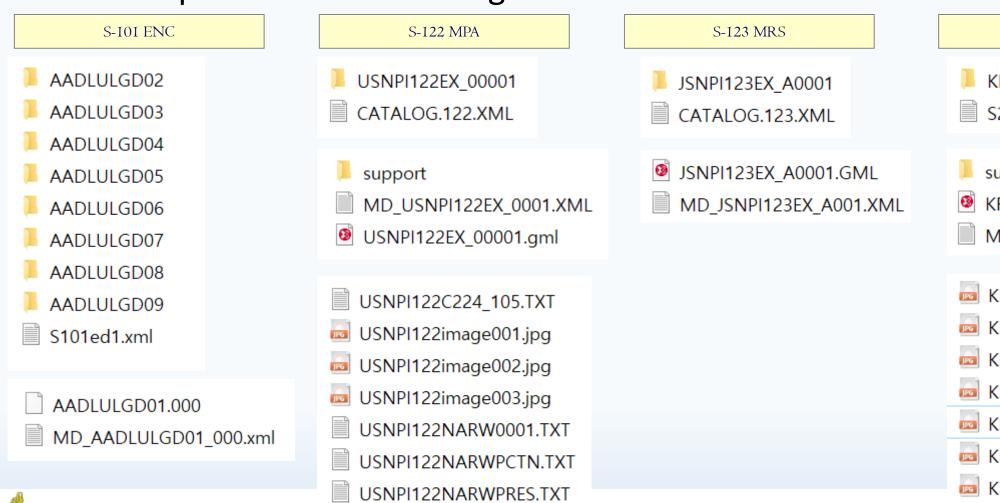
S-100 Exchange Catalogue Editor





Korea Hydrographic and Oceanographic Agency

• Examples of S-100 Exchange set



USNPI122NARWREPT.TXT

S-201 AtoN **KRABCDEFGH** S201_0_0_6_CAT.XML support KRABCDEFGH 000.gml MD_KRABCDEFGH_000.xml KR00100001.jpg KR00100002.jpg KR00100003.jpg KR00100004.jpg KR00100005.jpg KR00100006.jpg KR00100007.jpg KR00100008.jpg

and Oceanographic Agency



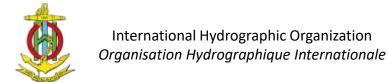
- Review of the development
 - KHOA research team reviewed the outcome of developing S-100 Exchange Catalogue Editor using the cases from S-101 ENC, S-122 MPA, S-123 MRS, and S-201 AtoN Exchange set

Root ----- (contains the exchange catalogue named "exchange_catalogue.xml")

----- Datasets (contains dataset files like 000, GML and HDF-5)

----- Support files (contains support files like Text, JPEG, HTML, XML, XSLT, Video)

----- Catalogues (contains catalogues for feature and portrayal)

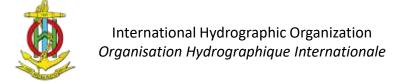




Conclusions

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





Recommendations

- It is recommended
 - to review the outcome and considerations from developing S-100 Exchange Catalogue Editor from KHOA and NOAA's joint project
 - Discuss the mandatory attributes for other product specification
 - Discuss the folder structure within S-100 exchange set
 - provide recommendations if any

