S-101PT8 Workplan Update

S-101 PT Chair Thomas RICHARDSON

S-101PT8 6th December 2021

- Progress this year

- Status of workplan activities

- Looking ahead to 2022 and Edition 1.1.0

- Challenges and beyond 1.1.0

- Although we have not met since May the sub groups have been active and I'd like to formally acknowledge the contributions and the efforts of the sub group leads

- The following workplan items have now been completed, thanks to all and special thanks to KHOA for preparing the Feature Catalogue

A.1.1	Review draft changes to DCEG as prepared by IHO Sec.
A.1.2	Conduct a review cycle of the S-101 Data Product Specification and DCEG. Includes comment review.
A.1.3	Interim FC (1.0.1) to be generated to support testing.

A1	Develop and Finalize Edition 2.0.0 of S-101 ENC Product Specification					
	Intent is to deliver an updated and more complete S-101 1.1.0 aligned to S-100 5.0.0 so that meaningful testing can support development towards 2.0.0. S-100 5.0.0 publication expected Sep 2022 (S-100WG Letter 5/2020).					
Ref	Task	Dependencies	Who	Start	End	Status
A.1.1	Review draft changes to DCEG as prepared by IHO Sec.	None	DCEG SG	01/10/2020	01/03/2021	COMPLETED
A.1.2	Conduct a review cycle of the S-101 Data Product Specification and DCEG. Includes comment review.	None	ALL	01/03/2021	30/06/2021	IN PROGRESS
A.1.3	Interim FC (1.0.1) to be generated to support testing.	A1.1	KHOA	01/03/2021	31/03/2021	COMPLETED
A.1.4	Process registry changes resulting from review of the DPS and DCEG.	A.1.2	IHO Sec	01/07/2021	01/08/2021	PLANNED
A.1.5	Prepare an updated Feature Catalogue for S-101 1.1.0.	A.1.2/A.1.4	KHOA	01/09/2021	31/10/2021	PLANNED
A.1.6	Prepare new and updated Portrayal content.	A.1.2	Port SG	01/10/2020	31/08/2021	IN PROGRESS
A.1.7	Process registry changes resulting from Portrayal work.	A.1.6	IHO Sec	01/09/2021	30/11/2021	PLANNED
A.1.8	Prepare a complete PC for S-101 1.1.0.	A.1.5, A.1.7	Port SG	01/12/2021	01/01/2022	PLANNED
A.1.9	Develop and review Portrayal Annex	A.1.5	Port SG	01/09/2021	01/03/2022	PLANNED
A.1.10	Prepare an initial draft set of S-101 Validation Checks. (Critical checks as a minimum)	A.1.2, A.1.5, A.1.8	VC SG	01/04/2020	31/03/2022	IN PROGRESS
A.1.11	Finalise S-101 Test datasets*	A.1.5, A.1.8, A.1.10	TBD	01/01/2022	30/05/2022	PLANNED
A.1.12	DQWG to conduct review of S-101 draft components.**	Various	DQWG	01/05/2022	31/07/2022	PLANNED
A.1.13	Prepare content for publication.	Various	IHO Sec	01/08/2022	31/08/2022	PLANNED
A.1.14	Conduct pre-publication quality checks.	A.1.13	ALL	01/09/2022	01/10/2022	PLANNED

Key progress since report to HSSC12

* Test Datasets for developmental purposes will be provided earlier to support development this task relates to test datasets for S-164 specifically.
** Individual components will be provided to the DQWG for reivew when ready in order to manage the workload.

- **DCEG** – following significant effort and discussions we now have a draft edition 1.0.2 of the DCEG. This is a key milestone on our path to S-101 1.1.0 (PT8 06)

- **Portrayal** – excellent progress has been made in identifying the symbology changes and although much remains to be done I think we have a clear way ahead for S-101 1.1.0 (see PT8 07)

- **Validation Checks** – since may this work has been effectively on hold although efforts will focus on this in early 2022 see later slides

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WORKPLAN – UPDATED OPEN ITEMS ONLY

Ref	Task	Dependencies	Who	Start	End	Status
A.1.4	Process registry changes resulting from review of the DPS and DCEG.	A.1.2	IHO Sec	01/01/2022	01/02/2022	PLANNED
A.1.5	Prepare an updated Feature Catalogue for S-101 1.1.0.	A.1.2/A.1.4	KHOA	01/02/2022	01/03/2022	PLANNED
A.1.6	Prepare new and updated Portrayal content.	A.1.2	Port SG	01/10/2020	31/03/2022	IN PROGRESS
A.1.7	Process registry changes resulting from Portrayal work.	A.1.6	IHO Sec	01/04/2022	01/05/2022	PLANNED
A.1.8	Prepare a complete PC for S-101 1.1.0.	A.1.5, A.1.7	Port SG	01/05/2022	01/06/2022	PLANNED
A.1.9	Develop and review Portrayal Annex	A.1.5	Port SG	01/09/2021	01/03/2022	PLANNED
A.1.10	Prepare an initial draft set of S-101 Validation Checks. (Critical checks as a minimum)	A.1.2, A.1.5, A.1.8	VC SG	01/04/2020	01/09/2022	IN PROGRESS
A.1.11	Finalise S-101 Test datasets*	A.1.5, A.1.8, A.1.10	**TDS SG**	01/01/2022	01/10/2022	PLANNED
A.1.12	DQWG to conduct review of S-101 draft components.**	Various	DQWG	01/03/2022	01/10/2022	PLANNED
A.1.13	Prepare content for publication.	Various	IHO Sec	01/07/2022	01/09/2022	PLANNED
A.1.14	Conduct pre-publication quality checks.	A.1.13	ALL	01/09/2022	01/11/2022	PLANNED
A.1.15	**Review DPS and other components for S-100 5.0.0 changes and consequential action.**	**HSSC 13**	**ALL**	01/04/2022	01/07/2022	NEW

Test Datasets for developmental purposes will be provided earlier to support development this task relates to test datasets for S-164 specifically.

*** Individual components will be provided to the DQWG for reivew when ready in order to manage the workload.*

LOOKING AHEAD – DELIVERING EDITION 1.1.0 CONTENT (DCEG AND FEATURE CATALOGUE)

Registry Changes → 01/02/22 → Prepare FC 1.0.2 → 01/03/22 → *Post Baseline Changes Only*

- I propose that we finalise DCEG 1.0.2 as the working baseline from which registry changes and a further Feature Catalogue are now prepared (A.1.4 and A.1.5)

- A formal process for changes to the baseline versions will then apply this will ensure all consequential action is taken across different components

- Changes can still be made but only when they meet a threshold (to be defined in the process) other changes will be captured for 1.2.0 and beyond

| Portrayal Changes | 31/03/22 |
| Develop Symbols | 31/03/22 |

Post Baseline Changes Only

| Registry Changes | 01/05/22 | Prepare PC 1.0.2 | 01/06/22 |
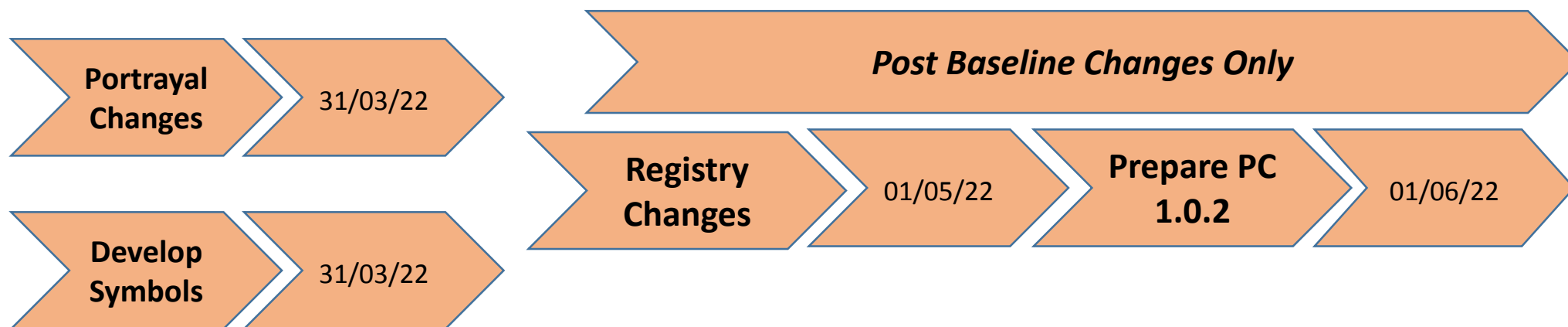
- Further work is needed to finalise Portrayal Changes and prepare new symbols this will be a focus for Q1 2022
- Work will then switch to progress registry changes and then prepare the catalogue itself although its expected that changes will gradually be applied to this
- This is a challenging plan and will depend on resources to develop symbols, provide test data and prepare the Portrayal Catalogue

LOOKING AHEAD – DELIVERING EDITION 1.1.0 VALIDATION

| Review and Enhance Checks	01/04/22	Finalise	01/09/22
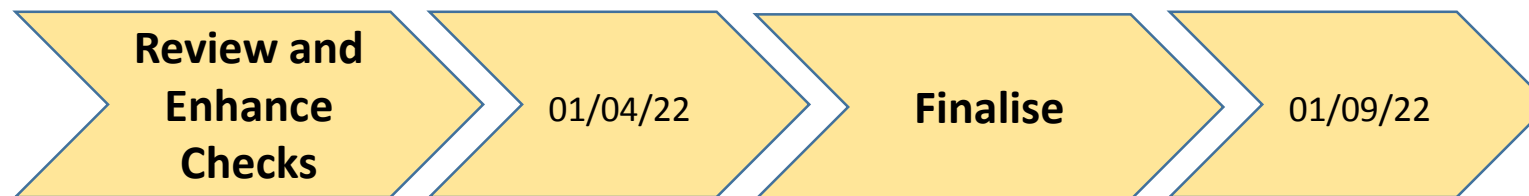
- This work has been on hold and will now restart using FC 1.0.2 and the corresponding DCEG as its working baseline, the Portrayal changes will also be an input to this work

- Further changes may be needed based on S-100 5.0.0

- Given current resources test datasets for these checks may be a challenge to deliver for 1.1.0

- Volunteers to lead this work are sought

OVERALL PLAN FOR 1.1.0 DELIVERY
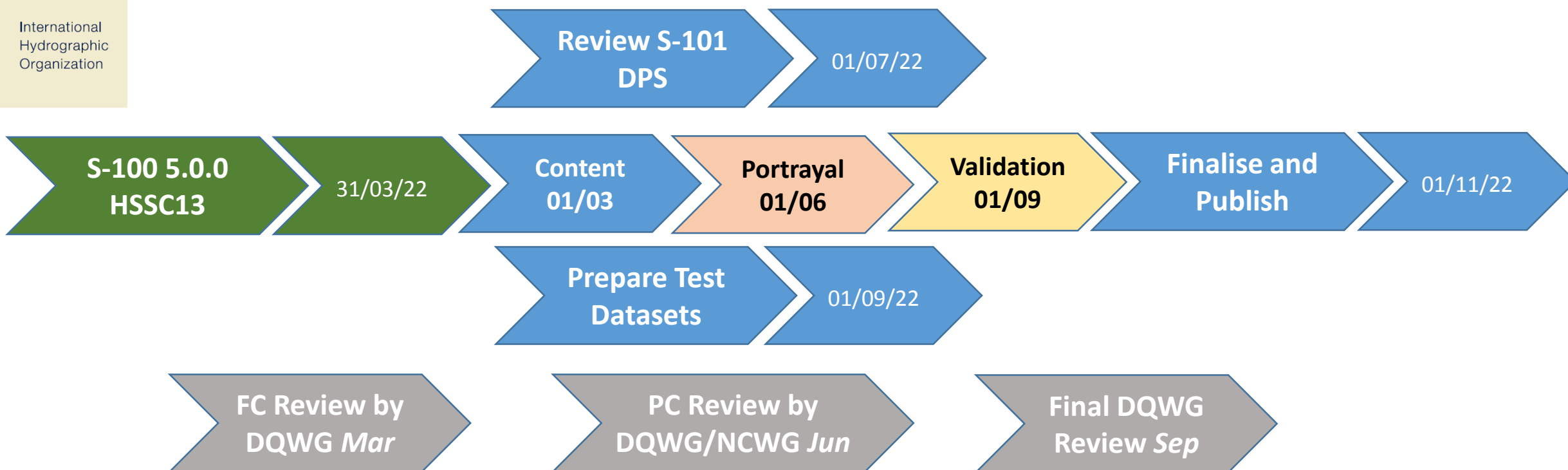
- Edition 1.1.0 does not require HSSC approval just S-100WG approval which can be done by a WG letter
- S-100 5.0.0 approval at HSSC will be a key milestone in this plan
- Proposed DQWG/NCWG review is also shown, dates remain to be discussed and engagement needed on this

- Resources – focussed effort needed during 2022 and additional meetings likely

- Test Datasets – lead to coordinate these required readiness of production tools to support baseline FC 1.0.2 needs to be understood

- User Engagement – a major focus for 2023 but planning and preparations are required

- Dependencies – S-100 5.0.0, Dual fuel, GI Registry, Tools

BEYOND 1.1.0

- Trials and testing

- Stakeholder engagement

- Further edition of S-101

- S-164 Test Datasets

- We've made some great progress and the sub groups have made significant headway

- There remains much to do, but with focus I feel we can deliver 1.1.0 as a complete product specification to support further testing

- I foresee more regular PT meetings or sub group meetings during 2022 especially Q1-Q2

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- The way forwards for the DCEG and FC is clear, however a new way of working is needed to make timely progress on Portrayal

1. Establish a Test Data sub group to ensure required test data is available (using funded support) (see next slide)

2. Review batches of portrayal changes (PT) and then implement, placeholder symbols to be used where symbols are awaited

3. Agree a regular schedule of meetings to ensure timely progress and seek commitment of resources from contributors including additional PT resources to support symbology work
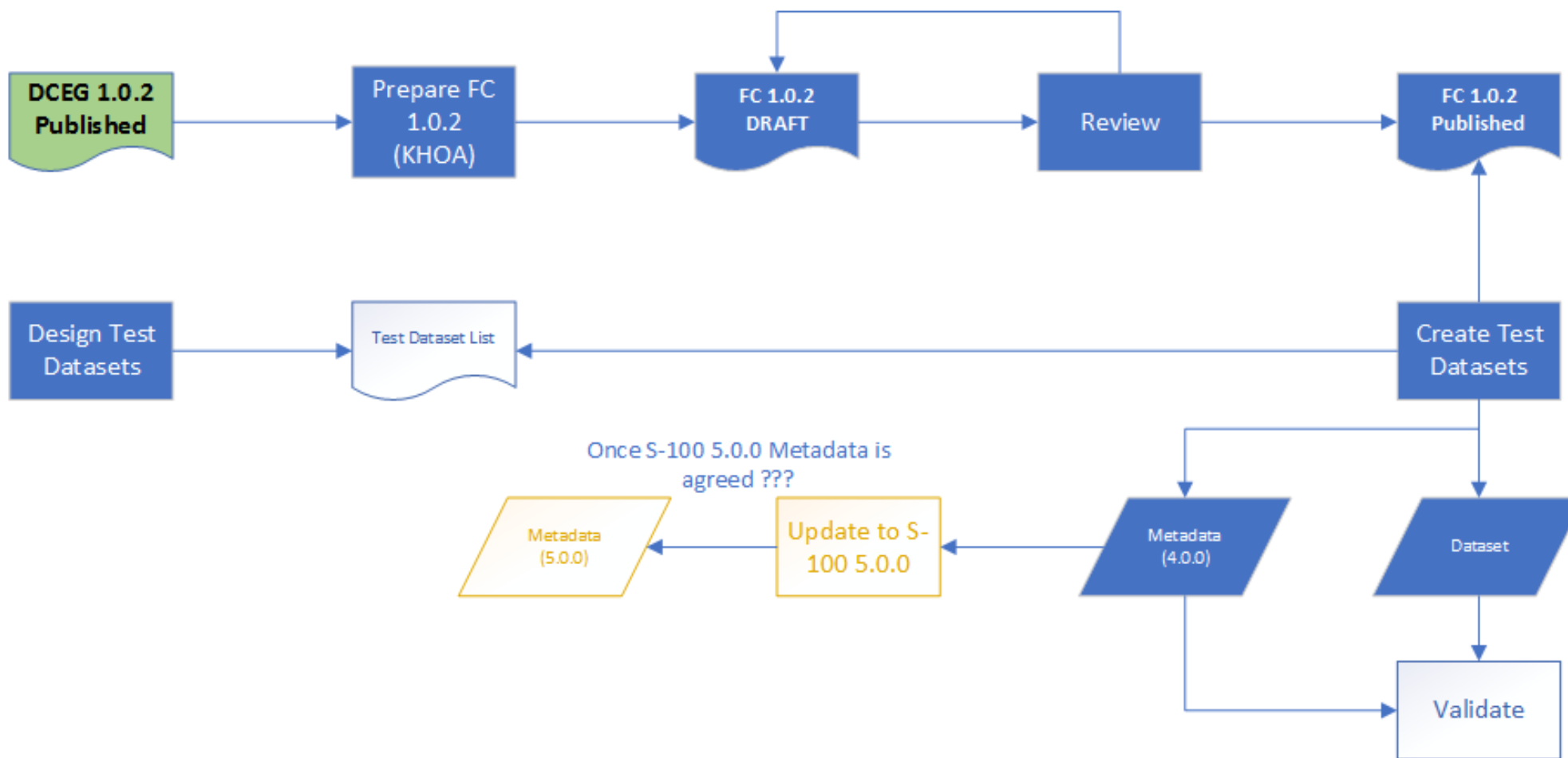
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S-101 PT8 Test Datasets Way Ahead

- Focus activity on the test dataset design, validation checks and Portrayal Changes in Q1 2022

- Seek Special Projects Fund support for test dataset production once FC 1.0.2 is available, PT resource to focus on design and checking of datasets

- Seek Special Projects Fund support for a tool to update S-100 4.0.0 Catalog.XML to S-100 5.0.0 once 5.0.0 content is agreed, this means we can start on test data sooner and upgrade it