Construction Iteration 2 (C2) - 26 July 2021

Key Milestones

Milestone	Date
PSR for DCS (June/July)	1-August-2021
Alpha ready system (basic pipeline, ready to refined into beta ready system)	Iteration end date 8-Aug-2021

High level objectives

1. **Alpha ready system refinement and transition to beta system** - Complete the initial refinement for the beta ready system, drafted by Adam for clustering pipeline and Andrew for the AWS semantic segmentation pipeline. Work out areas to improve and implement to meet direct DCS HLRs (high level requirements)

2. **Initial Operation Capability Milestone (IOCM)** - Working towards completing the following major objectives to both fulfill subject requirements and progress the end product towards a completed and semi to fully refined system.

> A 'beta ready' Implementation Model of the final application. (40 marks)
> A Test Model that:
> demonstrates successful completion of 'alpha' stage user acceptance testing. (10 marks)
> supports user acceptance testing during beta. (20 marks)
> A User Manual that will support end users during beta testing. (20 marks)
> A Project Status Assessment. (10 marks)
>
> Mainly working on beta production.

3. **General Documentation** - Mixed, HLRs and internal documentation regarding IOCM. This also includes issue management in Jira.

Evaluation Criteria

How will we determine if the high level objectives are achieved.

1. **Alpha ready system refinement and transition to beta system** - Following the IOCM assessment structure and DCS HLR, issues and properties of the system need to be addressed over this iteration as well as the next.
2. **Initial Operation Capability Milestone (IOCM)** - Jira issues are completed and solution is progressed.
3. **General Documentation** - NA, ongoing. Specifically related to milestones in major assessments and stakeholder meetings.

Work Item assignments

The following Work Items will be addressed in this iteration:

Jira

Current as of 16 August 2021 (later additions may be made)

Key	P	Status	Summary	Assignee
FEAII-81	≫	TO DO	Requirement review and document adjusted based off feedback Pat / Maria	Patrick Funnell
FEAII-53	∧	DONE	PSR reporting due (June/July)	Patrick Funnell
FEAII-52	=	DONE	Pat and Darren discussion regarding Jira and test plan / tests	Patrick Funnell
FEAII-51	≫	DONE	The first results using AWS Semantic Segmentation (as provided in the previous emails) (Nik)	Andrew Smith
FEAII-50	≫	TO DO	Finalise the clustering technique + Contour for all images (Nik)	ablewitt
FEAII-49	≫	TO DO	Create a pipeline to concatenate images (Nik)	Patrick Funnell

FEAII-44	≫	DONE	Meeting scribe 4th August	Unassigned
FEAII-43	=	DONE	Create Construction Iteration 2 Confluence Page	Patrick Funnell
FEAII-42	∧	DONE	0.1_Flood_Extent_Extraction.ipynb | Todo tasks - Shapefile	ablewitt
FEAII-41	≫	DONE	Meeting scribe 28th July	Cam
FEAII-40	⋀	DONE	Fix up Git, decide a method of working on the master files as well as making dev files available to all	Patrick Funnell
FEAII-39	∧	DONE	0.1_Flood_Extent_Extraction.ipynb | Todo tasks - Logging and error tracking	ablewitt
FEAII-22	=	DONE	Email David regarding incorrect dates in schedule for project	Patrick Funnell
FEAII-11	∧	IN PROGRESS	Image Normalisation Investigation	Darren Sheehan
FEAII-10	=	DONE	Testing with RGB colour space	Cam

15 issues

Other

ID	Name / keywords of desc.	Outcome	State	Assigned to	Hrs Est.	Hrs Act.	Hrs Left
1							
2							
3							

Risks to be resolved within this iteration

Risk	Status	Notes
NA		

Issues to be resolved within this iteration

Issue Index	Issues	Status	Notes
NA (None created)	Complications in project pipelines	Completed	Discussed with Nik, Simon and other DCS stakeholders to ensure the team is on track and the pipelines accurate.
NA (None created)	Ramp up in meeting for certain members of the team could be considered too much. Need to check in with them.	Up to date	Darren asked at a team meeting to confirm everything was okay. Fine at the moment, ongoing evaluation may be good, assisting Adam and Andrew where possible is a major priority as they are tackling the front of production.

Assessment

Assessment target	IOCM (progression in this iteration, not resolution)
Assessment date	6-September-2021

Participants	G5 (All)
Project status	Over 50% progressing strongly towards beta ready system.

- Assessment against objectives
- Work Items: Planned compared to actually completed
- Assessment against Evaluation Criteria Test results
- Other concerns and deviations