# Meeting Minutes

Date 16/06/2021 Time 20:00

## Attendees

Andrew Smith

Darren Sheehan

Adam Blewitt

Cameron Nyberg

Patrick Funnell

## Apologies

N/A

## Agenda

* Meeting Content
  + See below
* Issues & Challenges
  + Ensuring correct use of change logs in LCAM
* Review Previous Iteration Work
  + LCAM ongoing
  + Extension granted to Sunday 20th June
* To be Actioned
  + Complete LCAM (Documents & Technical Competency Demonstration)
  + Experiment with NDIS for flood identification
* Assigned Roles
  + Each member has been assigned one or more documents to complete

## Content

LCAM Documents

* Team confirmed documents they were working on
* Adam will aim to record the competency video over the weekend
* Andrew will try to have methods to select clusters ready by Friday
* Team will aim to have all documents done by Saturday so Pat can revise the style guide for each document

Working with ECW files/Truth Images/Notebooks/

* Adam has suggested combining Near Infrared, Hue, Saturation as input vector for clustering algorithms
* The NRG images we have use a shifted-down spectrum; near infrared, red, green. Adam suggested converting ECW files to JP2 files to have access to all color channels so we can use the Normalised Water Differential Index (NWDI)
* To convert images use [GDAL](https://gdal.org/) along with a [third party extension](https://www.gisinternals.com/query.html?content=filelist&file=release-1928-x64-gdal-3-3-0-mapserver-7-6-3.zip)
* Truth images are a good metric for evaluating the efficacy of numerous algorithms we have tried with different sets of parameters. Some formal documentation of our work would be good to present as a single notebook doesn’t reflect the sum of our work.
* Use [Microsot VITT](https://github.com/microsoft/VoTT) for generating truth images