CAMEO annual report (WP3) period Nov. 1st 2022 to Oct. 31st 2023

·         Research work undertaken on CAMEO during the period

* + WP3 module finalized the architecture of the module and its functioning
  + Implementation of the spatial data quality functionality were developed and tested before deployment. The implementation of features like Completes, Accuracy, precision and classification is done for first release.
  + Classification of raster data is done using multiple labels.
  + Evaluation of percentage of useful data
  + Solution to resolve the huge data bottleneck between webservice and warehouse is proposed
  + A GUI tool for demonstration of SDQ functionality is developed to showcase functioning of various functionalities.
  + Five RESTful webservices for SDQ functionality were developed and tested.
  + Review article on SDQ techniques for Raster data.

·         Current status / progress made – key points

* In current state the new features for completeness like cloud classification is in process.
* I am looking for more data quality parameters using atmospheric correction and water vapour layer in sentinel dataset.
* Implementation on SDQ microservices.

·         Outlook for next 6 months.

* In next six months the remaining micro web services will be developed.
* More SDQ parameter will be added the module using cloud mask, Water Vapor Pressure and atmospheric corrections.

·         Deliverables – met, delayed, actions taken

* D 3.1 is met on time and
* D 3.2 is met on time and the report will be submitted by November 2023 as per the schedule.
* D 3.3 is on schedule as per the deadline and as the CAMEO first release is up the webservices will be integrated to the platform

·         Changes if any to work plan including reasons why

* No