UK – Thailand
Capacity Building in Software and Hardware Infrastructures and Data Handling through Astronomy 2016
Data Management Plan

Project Title *[up to 150 characters]*
Using astronomy surveys to train Thai researchers in handling Big Data

Data Management Plan

All of the computer code that the students will produce will be uploaded to GOTO's private GitHub repository, and thus will be securely stored and backed-up. With NARIT a full member of GOTO, both the Thai and UK partners have access to all data it delivers. It has been agreed within the GOTO collaboration that this data can be shared with the data scientist students at Mae Fah Luang University strictly for the purposes of developing data management systems and machine leaning-based analyses (i.e., non-astronomical research). GOTO data will be held securely on AWS servers in order to test the feasibility of different data management systems. Being a commercial facility, AWS takes extensive steps to ensure data is stored securely and with redundancy. Within Thailand, GOTO data will be held on the NARIT's and Mae Fah Luang University's servers, which are securely backed-up, for the students to access. All of the original GOTO data will be held on secure, separate (one in Warwick, one in Monash, Astralia) servers, so if any data does get corrupted in transfer to Thailand, or while on the Thai servers, it can easily be retrieved again. While all data will be held encrypted behind password security, none of the data nor code would present a security risk if it were infiltrated.

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