



The EducEO project

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The ESA funded EducEO project is aimed at demonstrating the potential of citizen science and crowdsourcing for Earth Observation (EO), where citizen science and crowdsourcing refer to the involvement of citizens in tasks such as data collection. The potential for using citizens in the calibration and validation of satellite imagery through in-situ measurements and image recognition is largely untapped. The EducEO project will aim to achieve good integration with networks such as GLOBE (primary and secondary education) and COST (higher education) to involve students in four different applications that will be piloted as part of the EducEO project. The presentation will provide a brief overview and initial results of these applications, which include: the iSpex tool for measuring air pollution using an iPhone; a game to classify cropland and deforested areas from high resolution satellite imagery; an application to monitor areas of forest change using radar data from Sentinel-1; and the collection of in-situ yield and production data from both farmers (using high-tech farming equipment) and students. In particular initial results and future potential of the serious game on land cover and forest change monitoring will be discussed.