



Dr. Pete Bunting

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Background

Dr. Bunting's research focuses on understanding changes in ecosystems (e.g., rainforests, savannas, mangroves) through integration of ground, airborne and spaceborne remote sensing data. Dr. Bunting has developed a number of innovative techniques for the analysis of these data that have been implemented into a number of active open source software projects, which Dr. Bunting manages, including the remote sensing and GIS software library (RSGISLib; <http://www.rsgislib.org>) which provides a wide range of tools and algorithms for large scale processing of remotely sensed imagery. Dr. Bunting has also produced the Atmospheric and Radiometric Correction of Satellite Imagery (ARCSI) software for the rapid and automated correction of optical imagery to surface reflectance. These tools and innovations, including the KEA image file format, have enabled large area remote sensing based mapping including the Global Mangrove Watch (GMW) which has mapping changes in global mangrove extent from 1996 to 2016. Dr. Bunting is also an expert in the application of high performance computing (HPC) for the analysis of large remotely sensed datasets.