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Current state and challenges for effective use of geospatial information for disaster management- Lessons learned from the UN-SPIDER technical advisory missions

Abstract

One of the core activities of the UN-SPIDER programme (a programme implemented by the UN office for Outer Space Affairs) is the provision of technical advisory support to countries, including carrying out Technical Advisory Missions (TAM). Upon request from the government, TAMs are carried out in several countries in Asia, the Pacific, Africa and Latin America & Caribbean region. During these missions a team of experts meets disaster management authorities in the Government, other key stakeholders involved in use of space based and geospatial information including UN agencies, regional and international organizations/initiatives and private entrepreneurs. The outcomes are the recommendations and guidelines to enhance the use of space-based information in disaster management. The mission team covers the issues related to disaster management plans, policies, data sharing, coordination, institutional arrangements, spatial data infrastructure etc. This presentation covers the challenges observed and lessons learned in these countries for effective use of geospatial information for disaster management and socio-economic development. The presentation also provides 'way forward' to address these challenges with involvement of the Government authorities, local UN agencies and international organisations.