

# EO Services contributing to the SDGs Land Cover/Use Monitoring & Dynamics

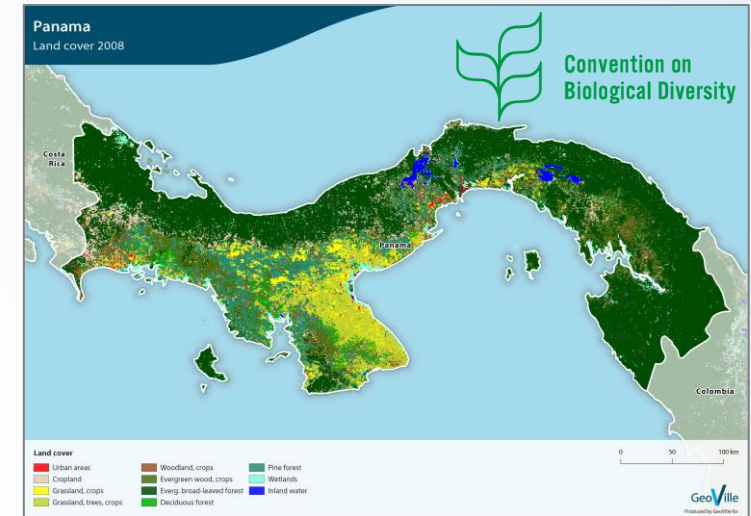
GeoVille



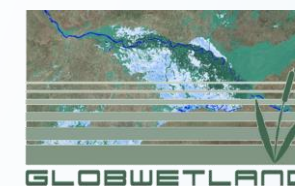
- **Users:** Public authorities (biodiversity & natural resource management, spatial planning, rural development), supranational institutions, NGOs, private sector
- **Challenge:** Protect and Restore Water-related Ecosystems and Protect Biodiversity and Natural Habitats. Monitor & measure land surface dynamics, quality proven for all types of land surfaces (land-coastal-water) for planning & impact assessment
- **Initiative:** Multi-resolution (100m/10m/1m) & multi-sensor (Landsat/Sentinels/commercial VHR missions) land surface mapping and monitoring, hybrid optical & SAR to overcome clouds & haze
- **Results:** Globally applicable EO services supporting the implementation of the UN Convention on Biodiversity, with focus on land & water-related ecosystems
- **Service provider:** GeoVille
- **References:** Diversity II - Supporting the Convention on Biological Diversity, funded by European Space Agency; <http://www.diversity2.info/>

Target 6.6: By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes > Extent of water related ecosystems

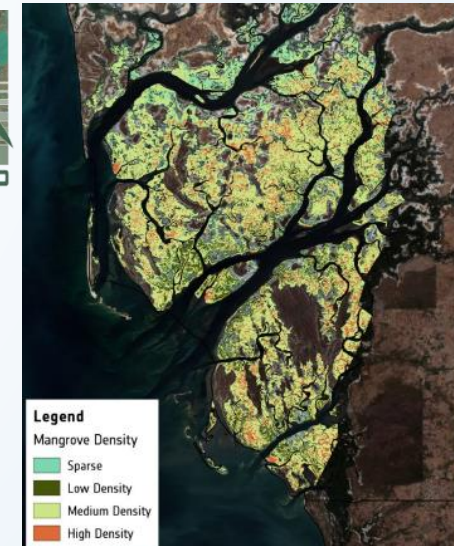
Target 15.5: Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.



Land Cover Monitoring Meso-american biological corridor, © Central American Commission for Environment / Development (CCAD) – ESA Diversity II; processing by GeoVille



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