

User needs assessment for geospatial information to improve fire management in the Amazonia region

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ABSTRACT – The SERVIR-Amazonia Hub will present a user needs assessment for geospatial information to improve environmental decision-making in the Amazonia region in the thematic area of fire. The user needs assessment describes the issues around fire in Amazonia (covering Brazil, Peru, Colombia, Ecuador, Suriname, Guyane) and the potential impacts timely, accurate and robust geospatial information can have on improved management of fires. The user needs assessment comprises of 1) a survey of existing geospatial tools, datasets, and applications to improve fire management; 2) a summary of user consultation workshops to identify issues around fire and geospatial information needs in the region; and 3) stakeholder maps and information flows for specific geospatial services such as early warning fire detection and fire risk indexes. The presentation will summarize the user needs assessment and identify critical information needs for stakeholders in the Amazonia region. SERVIR-Amazonia Hub is part of a global development initiative, known as SERVIR Global, heading jointly by the United States National Aeronautics and Space Administration (NASA) and the United States Agency for International Development USAID, since 2005. In partnership with leading regional organizations worldwide, SERVIR helps developing countries use information provided by Earth observing satellites and geospatial technologies. SERVIR empowers decision-makers with tools, products, and services to act locally on climate-sensitive issues such as disasters, agriculture, water, fire, and ecosystems and land use. SERVIR-Amazonia implementation is led by CIAT, together with Hub partner institutions, traduced as a USAID funded program.

Keywords: Land cover monitoring; fire monitoring; cloud computing; remote sensing; environmental governance

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