



MARKET STUDY ON THE USE OF REMOTE SENSING FOR IMPROVED FOREST MANAGEMENT PROJECTS (IFM/REDD+)

Ref.
53

Expert(s)	Country	Volume (md)	Amount* (€)	Beneficiary	Funding	Start date	End date	Partner(s)	Reference
Maden Le Crom	France	2	1,500 <i>*For the referred expert, within ONFI</i>	ASTRIUM	ASTRIUM	Mar. 2011	Mar. 2011	n/a	julien.demenois@onf.fr Mob: +33 6 98 80 55 78

Detailed description of the project	Services provided
<p>The Intergovernmental Panel on Climate Change estimates that changes in land use have been responsible for 20% of global emissions of greenhouse gases (GHG) since 1990.</p> <p>In response to this situation, the mechanism for reducing GHG emissions from deforestation and forest degradation, including the enhancement of forest carbon stocks (REDD+) is being developed within the United Nations Framework Convention on Climate Change (UNFCCC) and through voluntary projects to reduce deforestation and degradation (REDD) and to improve forest management (IFM).</p> <p>These projects require regular monitoring of forest areas and forest carbon stocks, often on a large scale. Remote sensing is a solution adapted to these needs.</p> <p>ASTRIUM, who provides services based on remote sensing and geographic information systems, wanted to assess opportunities for the development of ad hoc services for REDD+.</p> <p>This evaluation included a detailed review of voluntary REDD and IFM project methodologies submitted to the Verified Carbon Standard. It permitted the identification of the services required in terms of remote sensing and mapping, depending on the life cycle of the projects, and to identify the technical specifications of these services.</p>	<p>Four project methodologies for improved forest management (IFM) were analysed to identify the needs of these type of projects in terms of:</p> <ul style="list-style-type: none"> • Analysis of satellite images; • Cover change analysis and implementation of a regular monitoring system; • GIS analysis; • Map production; • Monitoring systems specific to forest fires. <p>For each of these products, the analysis identified the technical specifications required by the carbon methodologies, in particular the frequency of production, uncertainty, control procedures and the quality assurance required.</p> <p>This analysis permitted the identification of the types of products and services required at the project level.</p>