

PT Serasi Kelola Alam



Realistic, tangible & innovative solutions for sustainable development.

SEKALA aims to develop realistic, tangible and innovative solutions for environmental problems to bring benefits for local people and the environment.

www.sekala.net
www.forestclimatecenter.org

SEKALA specialises in forest governance, community mapping, land-use planning, geographic information systems (GIS) and remote sensing in Indonesia. It has extensive expertise in critical forest issues, such as illegal logging and forest conversion and is providing analysis for initiatives seeking to reduce carbon emissions through avoided deforestation and degradation (REDD+).

Forest Climate Center

SEKALA is developing a Forest Climate Center to build capacity in independent monitoring, verification and reporting on land cover change and green house gas (GHG) emissions in Indonesia. The Center seeks to provide independent monitoring and verification for a post-Kyoto mechanism that will potentially compensate developing countries for Reducing Emissions from Deforestation and Degradation (REDD+).

This initiative is considered necessary because the United Nations Framework Convention on Climate Change (UNFCCC) subsidiary body for scientific and technological advice has stressed that national forest monitoring systems that allow transparent and independent review of their results should be encouraged.

The methodological guidance provided by the UNFCCC subsidiary body for scientific and technological advice also recognises the need to promote the full and effective participation of indigenous people and local communities in REDD+ and has emphasized the importance of timely and effective capacity-building to ensure successful implementation of robust monitoring systems.

The Forest Climate Center strives to:

Provide critical information on REDD+ to policy makers and local communities via the Forest Climate Center website.

(www.forestclimatecenter.org)

Develop capacity in monitoring, verifying and reporting land cover change by obtaining training and developing expertise in remote sensing, Geographic Information Systems (GIS), emission monitoring, carbon stock estimation, spatial planning and modelling.

Support and build the capacity of local stakeholders in REDD+, forest monitoring and spatial planning in Central Kalimantan and Jambi.

The Forest Climate Center is funded by the Climate and Land Use Alliance (CLUA), an alliance of the David Lucile Packard Foundation, the Ford Foundation, the Gordon and Betty Moore Foundation and the ClimateWorks Foundation.



Forest Climate Center





Provision of Baseline Data and Cadastral Maps for Central Kalimantan and East Kalimantan

SEKALA has been engaged by the Indonesian REDD+ Task Force and the United Nations Development Programme (UNDP) to compile, collect, analyse and improve spatial data relevant for REDD+ in East and Central Kalimantan. Through this work, SEKALA also seeks to identify data inconsistencies and to facilitate consensus through multi-stakeholder dialogue.



Community Involvement in Industrial Timber Plantations (HTI)

SEKALA is working together with the IFC and an industrial timber plantation company (PT MHP) in South Sumatra to analyse land conflict arising with local communities living in the PT MHP concession area. This activity involves community mapping, conflict mediation and negotiation.

Community Involvement in Mining

SEKALA has undertaken a study on land use and the potential for conflict in an area allocated for mining in Banyuwangi, East Java. This study provided a historical analysis of land use, the potential for conflict in the area and strategies for mitigating land use conflict.



POTICO (Palm Oil, Timber & Carbon Offsets)

SEKALA has been working with the World Resources Institute (WRI) to develop a pilot POTICO project in West Kalimantan. Project POTICO aims to prevent deforestation by diverting planned oil palm plantations away from forests and on to already degraded areas. This strategy would ensure that oil palm can expand to meet demand, generating local revenues and jobs, while halting the destruction of forests.

Mapping Community Managed Forests

SEKALA began to map forests managed by local communities for the Multi-stakeholder Forestry Program II (a collaborative project between the Ministry of Forestry, DFID and Yayasan Kehati) to better understand the potential for local communities managing forests to tap into carbon markets. SEKALA identified forests managed by communities in Sumatra, Java and Kalimantan and collected and improved data on these sites. An atlas of known community managed forests and the carbon potential of these forests was also developed. This data is being updated and improved under the auspices of the Forest Climate Center and with assistance from the FORD Foundation.



Strategic Environmental Assessment

SEKALA has developed experience and received training in carrying out Strategic Environmental Assessments (SEA) in Indonesia. In 2007, SEKALA led a consortium of organizations to carry out a Strategic Environmental Assessment (SEA) for spatial planning in Papua Province. The SEA sought to assist the Papuan provincial government to develop its spatial plan by assessing the economic, social and environmental consequences of different development scenarios. It also sought to build the capacity of the Papuan provincial government to integrate environmental and social concerns into development planning.

Forest Management Indicators

SEKALA has worked together with the World Resources Institute and several local institutions, such as ICEL, HUMA, Forest Watch Indonesia and TELAPAK to develop forest management indicators for Indonesia. These indicators can be used to determine the effectiveness of policies and law enforcement efforts.

Community Mapping

SEKALA has facilitated and provided extensive support and training for community mapping--a tool that allows customary people to map their land and forest resources in a participatory way--in Kalimantan, Sumatra, Java and Papua. These maps have been used to negotiate land rights for local communities, inform spatial plans and mitigate land use conflicts.

Training and Internships

SEKALA provides training and internships on geographic information systems (GIS), satellite image processing, remote sensing, spatial planning, REDD+ and community mapping to various stakeholders, including government officials, private enterprise and local communities. This training is linked to the Forest Climate Center and can be used to facilitate multi-stakeholder dialogue on data management, inconsistencies, analysis, processing and storage.

Remote Sensing and Spatial Analysis Lab

SEKALA's remote sensing and spatial analysis lab is equipped with state of the art equipment (including a plotter, licensed GIS software and work stations), qualified GIS/remote sensing technicians and a vast database of spatial data. The lab provides high and low resolution satellite imagery for the Indonesian archipelago and offers a suite of image processing and printing services.



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