



Organización de las Naciones
Unidas para la Alimentación
y la Agricultura

Ministry of Agriculture and Livestock

GEOSPATIAL INFORMATION FOR THE AGRI-FOOD AND PRODUCTION SYSTEMS OF ECUADOR

GENERAL COORDINATION OF NATIONAL AGRICULTURAL INFORMATION

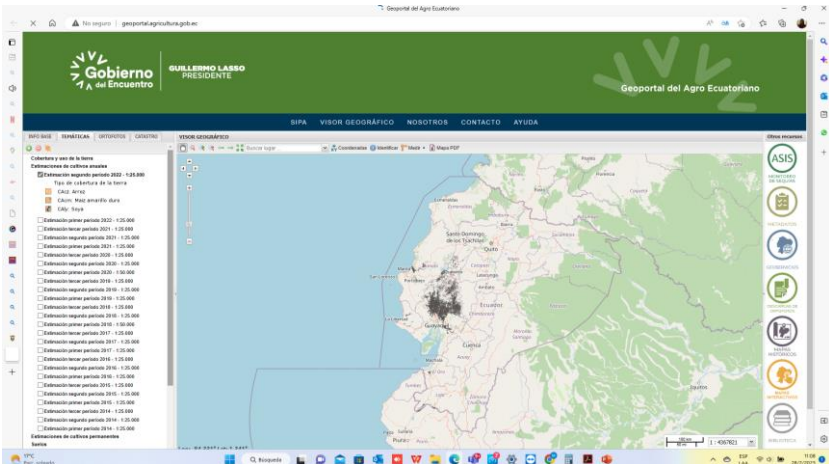
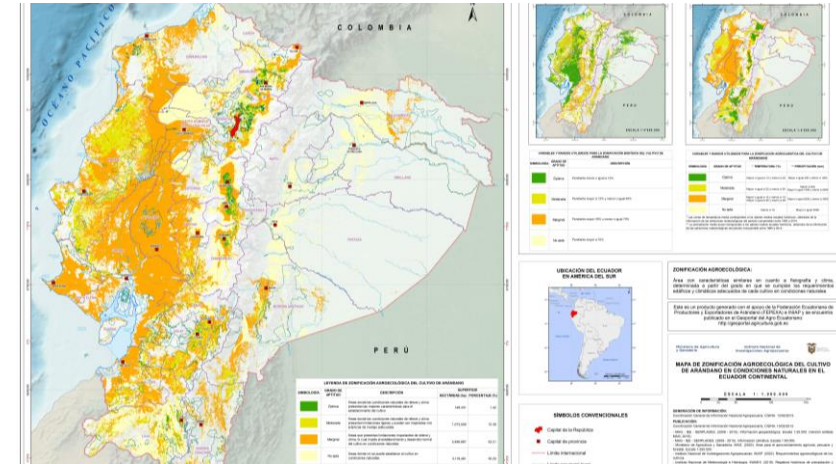
Rafael Yépez

Directorate of Generation of Agricultural Geoinformation



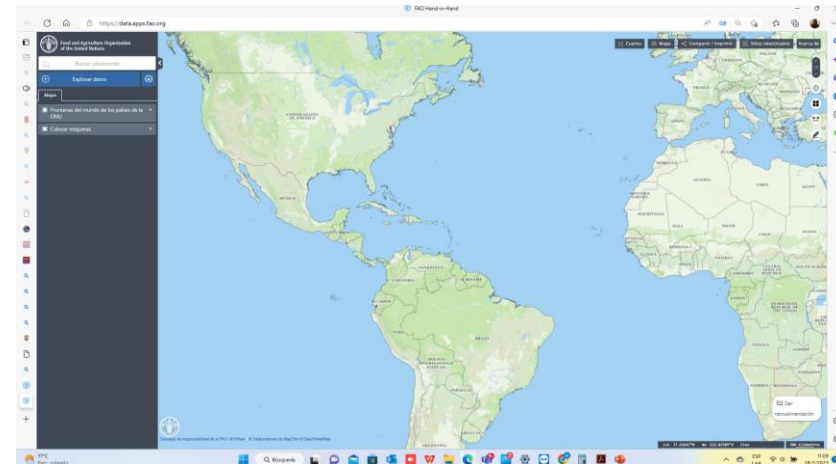
Geoinformation

Earth observation data
Synthesis of information



Geoportals / Interoperability

Publication and access to information
Interoperability Hand in Hand Platform



Agricultural Policy

Import permits /Food security
Banana Law (control of planting areas)
Non-Traditional Crop Diversification Strategy





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Geoinformation

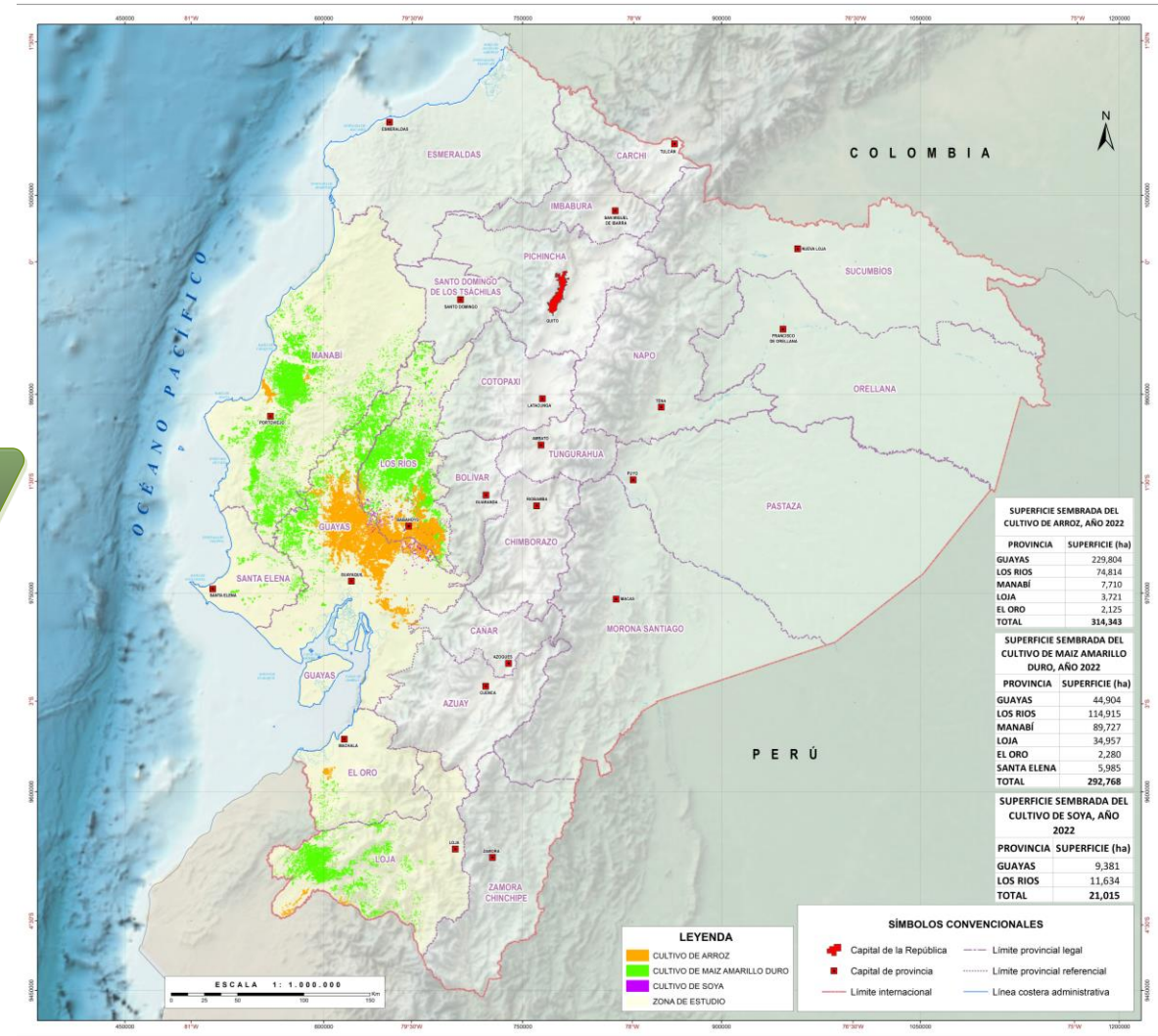
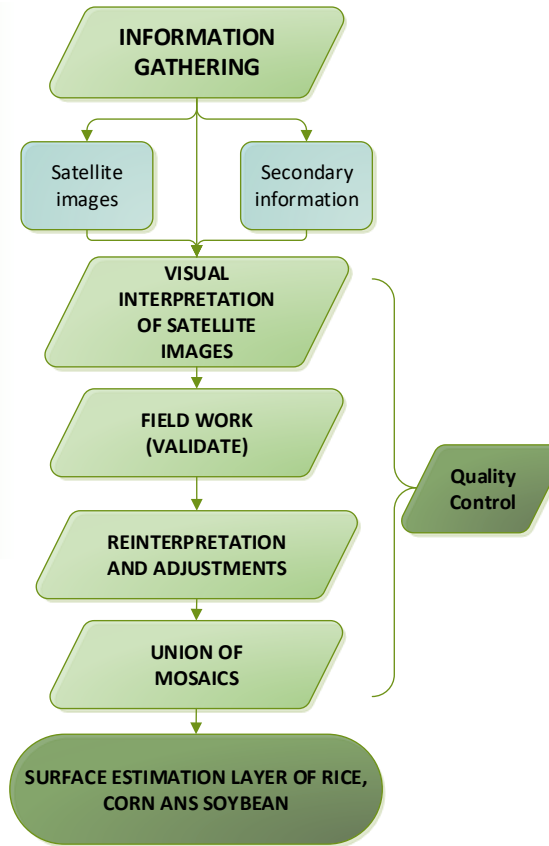
Earth Observation Data
Synthesis of information

Estimation of area of annual crops

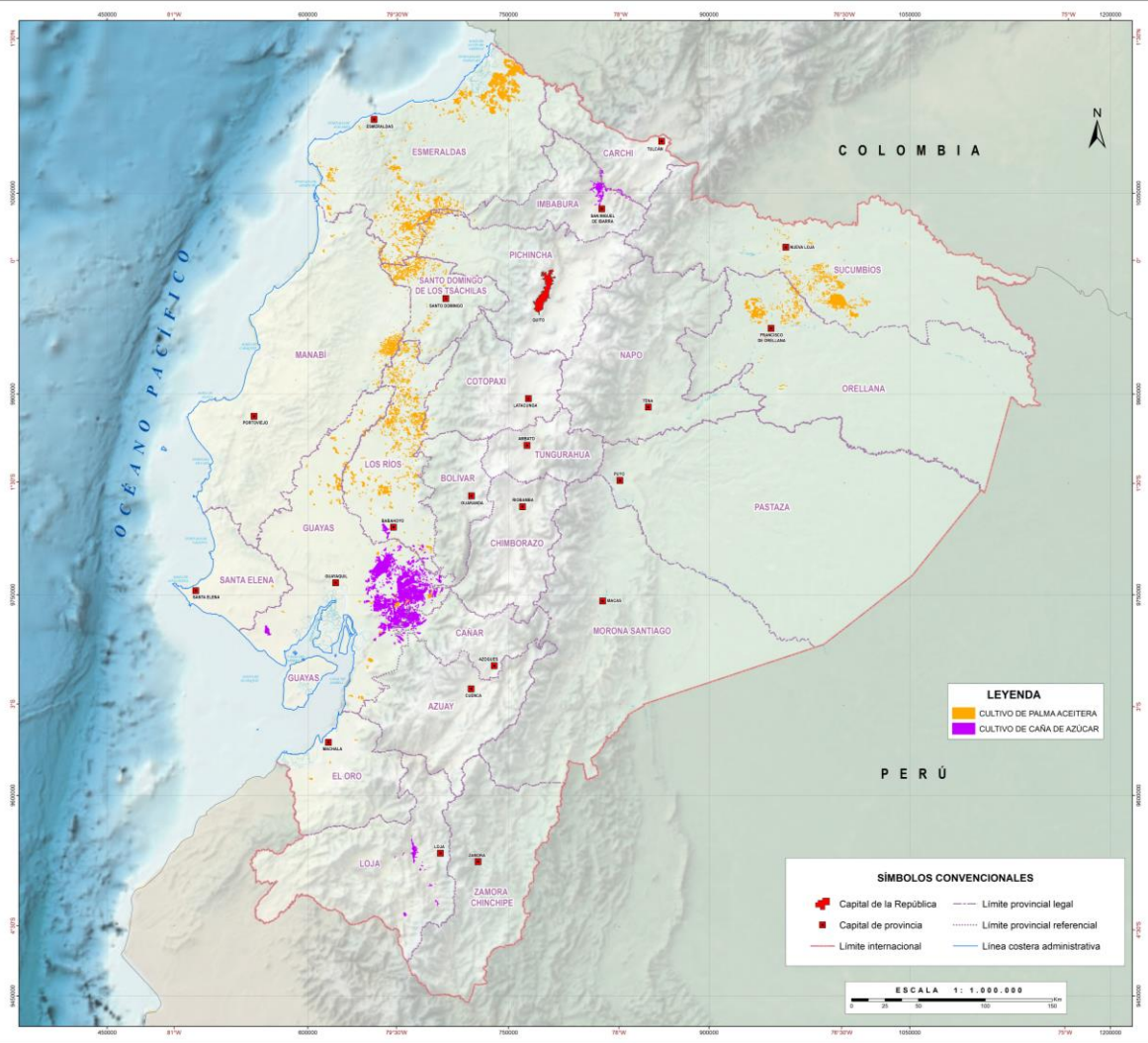
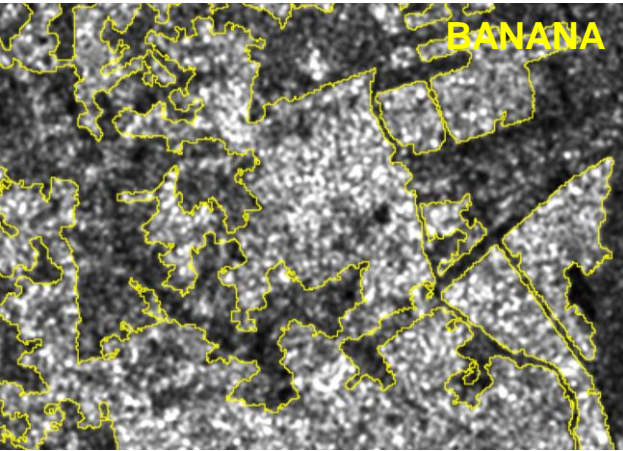
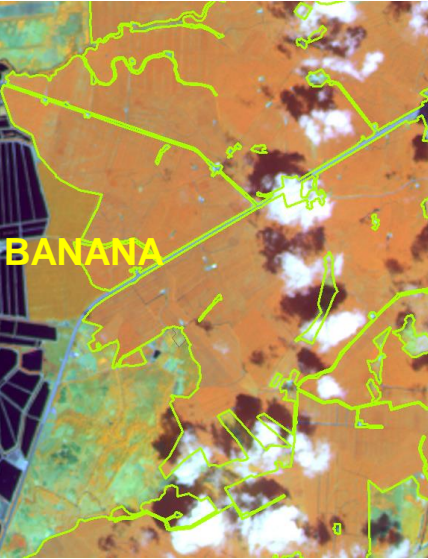
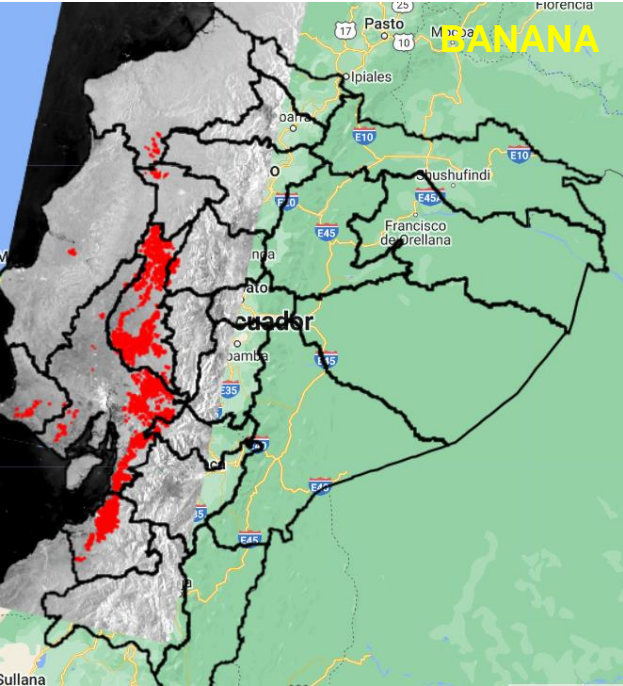
Generate surface estimation information for rice, corn and soybean crops by sowing period, through the use, analysis and interpretation of satellite imagery, in the provinces of **Manabí, Guayas, Los Ríos, Santa Elena, El Oro y Loja.**

For the structure and formulation of import policies, surplus production, pricing, food security, among others, that benefit the producer and the country.

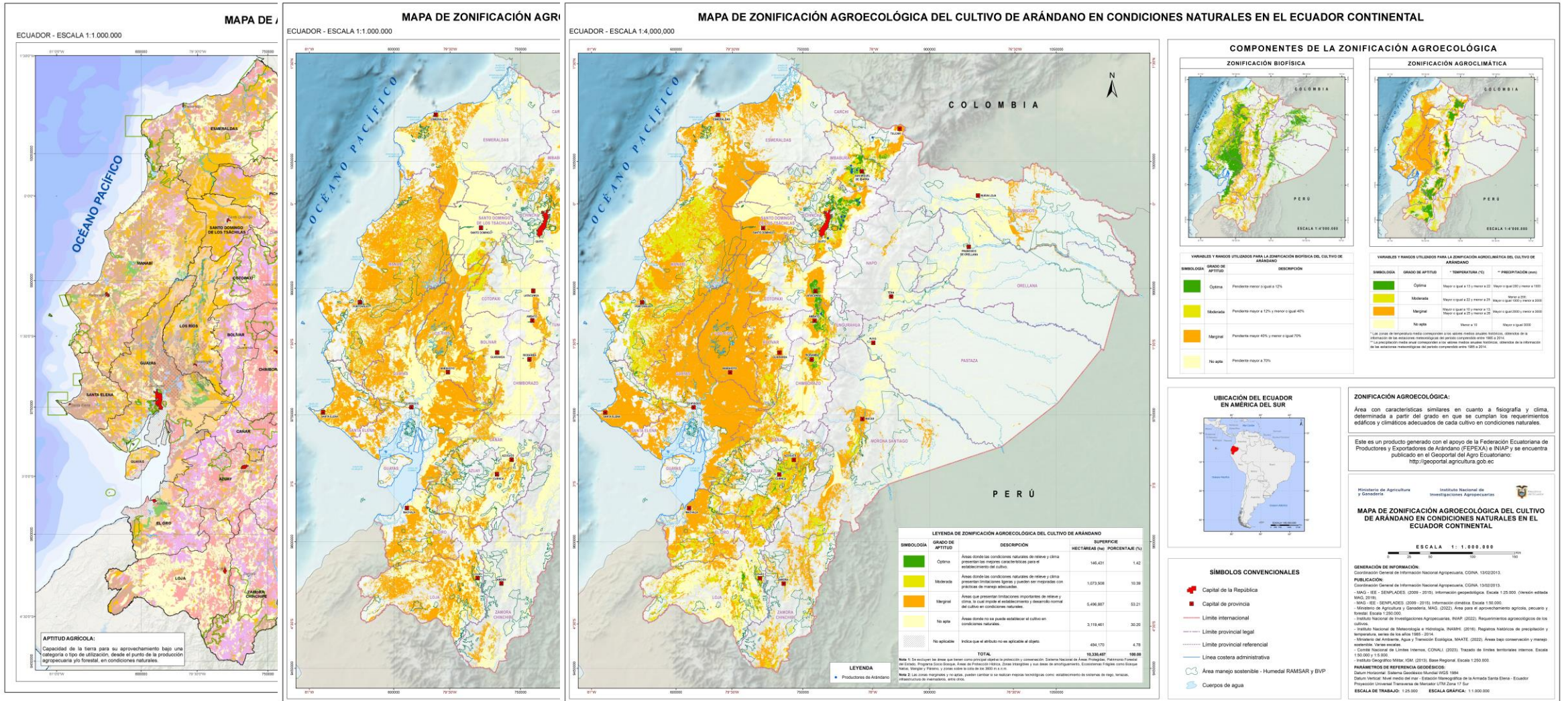
CROP	MONITORING
Rice	First cycle
	Second cycle
	Third cycle
Corn	Rainy season (winter)
	Dry season (summer)
Soybean	Rainy season (winter)
	Dry season (summer)



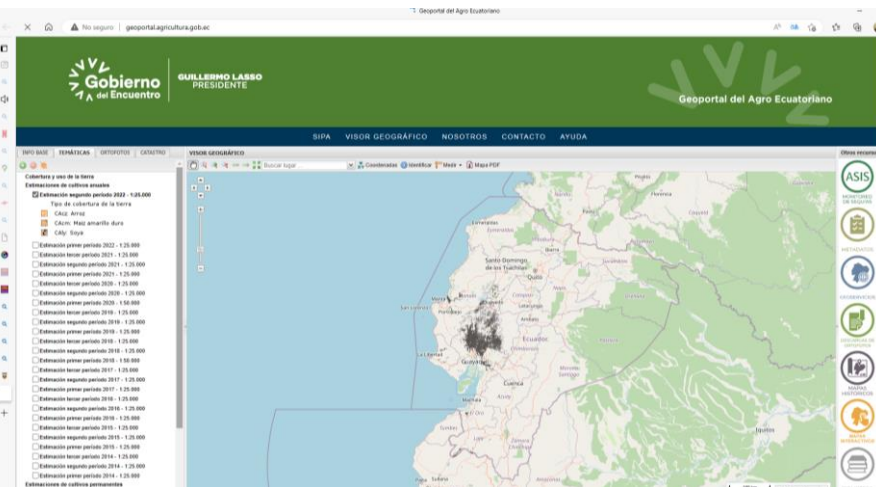
Estimation of area of permanent crops



Agricultural aptitude and Agro-ecological zones



STRATEGIC PRODUCTION AND DIVERSIFICATION OF AGRICULTURAL CHAINS



Geoportals / Interoperability

Publication and access to information
Interoperability Hand in Hand Platform

Web services (WMS, WFS, WMTS, KML, CSW) to share geoinformation.

Files for download, data characteristics (quality, use, reference system, contacts, among others).

4,503 metadata

64 web services

Application for downloading Orthophotography and Digital Terrain Model

16,312 requests

Consultation and visualization of geospatial information in a free, interoperable and interactive way.

168 layers

Geoportal

Web portal for the search and interaction of geospatial information of the agricultural sector

Regulations and standards, technical reports, manuals and inventory of maps.

376 documents

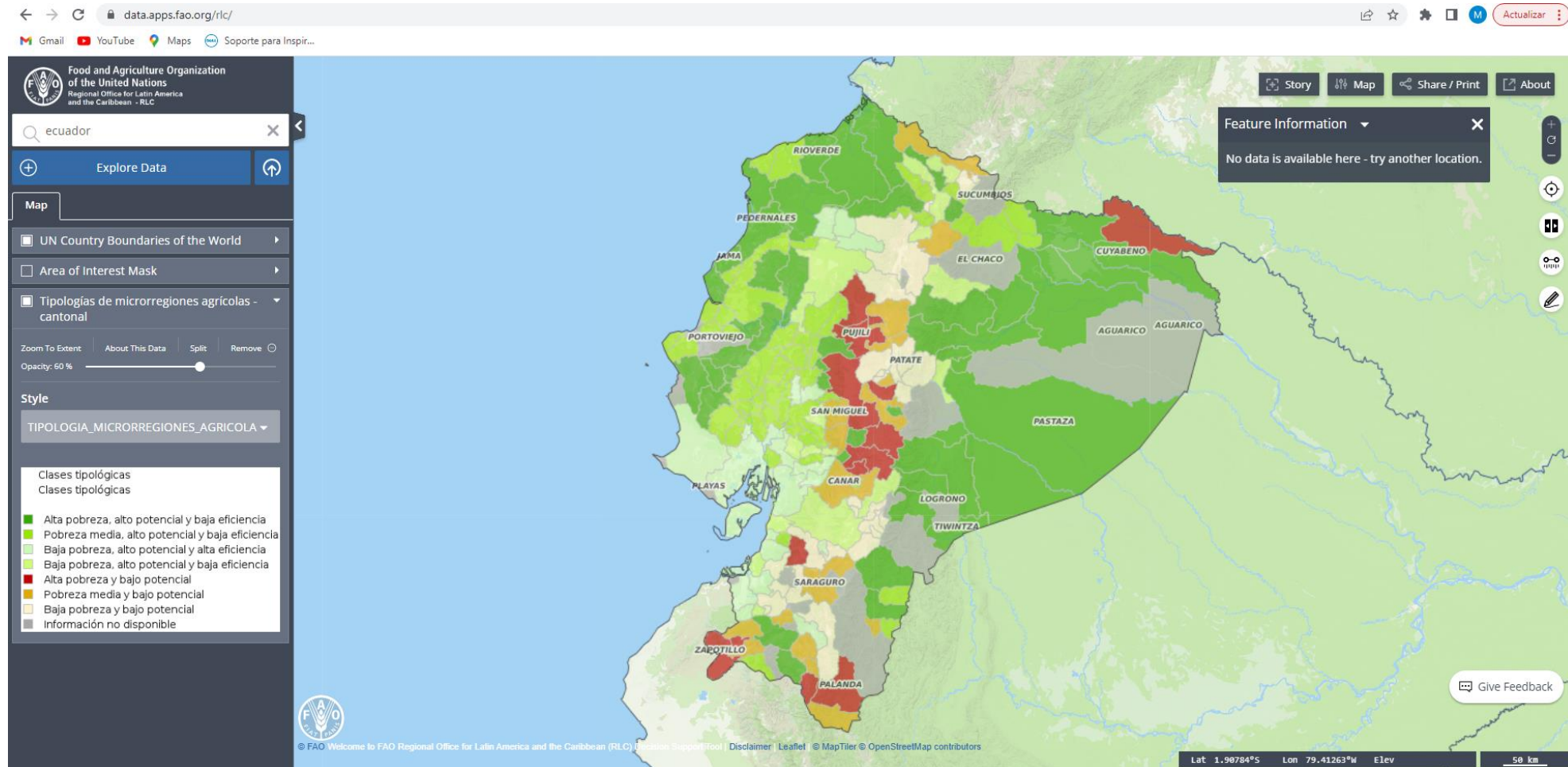
<http://geoportal.agricultura.gob.ec/>



Geoportal of Ecuadorian Agriculture



Geoportal interoperability – Hand in Hand Geospatial Platform



<https://balcon.mag.gov.ec/geoestadistica/wms>

<https://data.apps.fao.org/rlc>



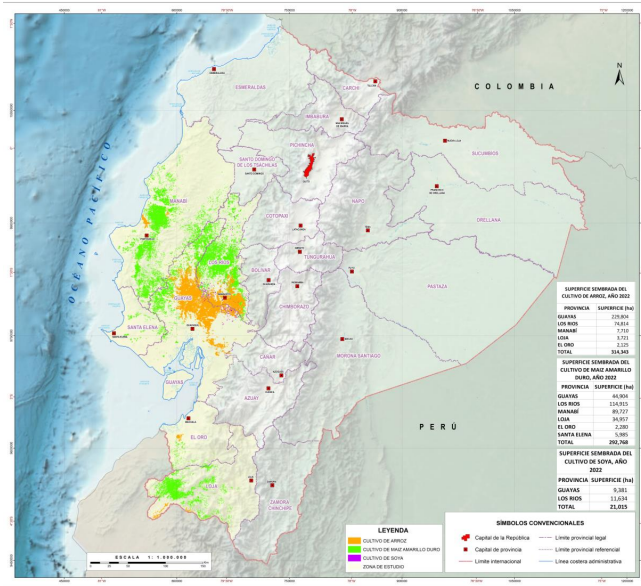
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Agricultural Policy

Import permits /Food security
Banana Law (Monitoring of planting areas)
Non-Traditional Crop Diversification Strategy

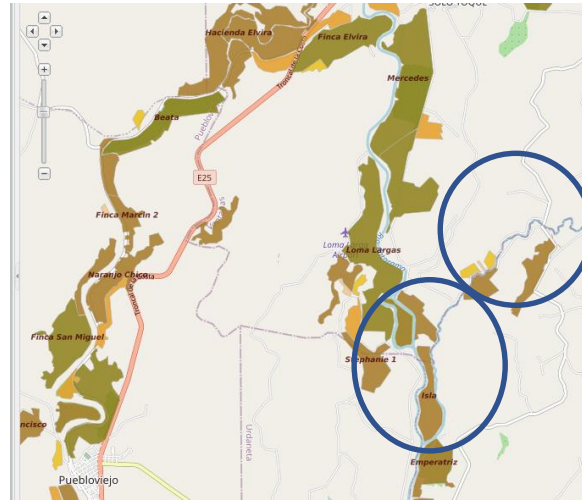
Corn import permits



The Feed Industry requires approximately 1 million tons of hard yellow corn each year. Thus, with the estimation of areas and the subsequent determination of yields, production is established; and for the lack of national production, import permits are established

Monitoring of banana planting areas

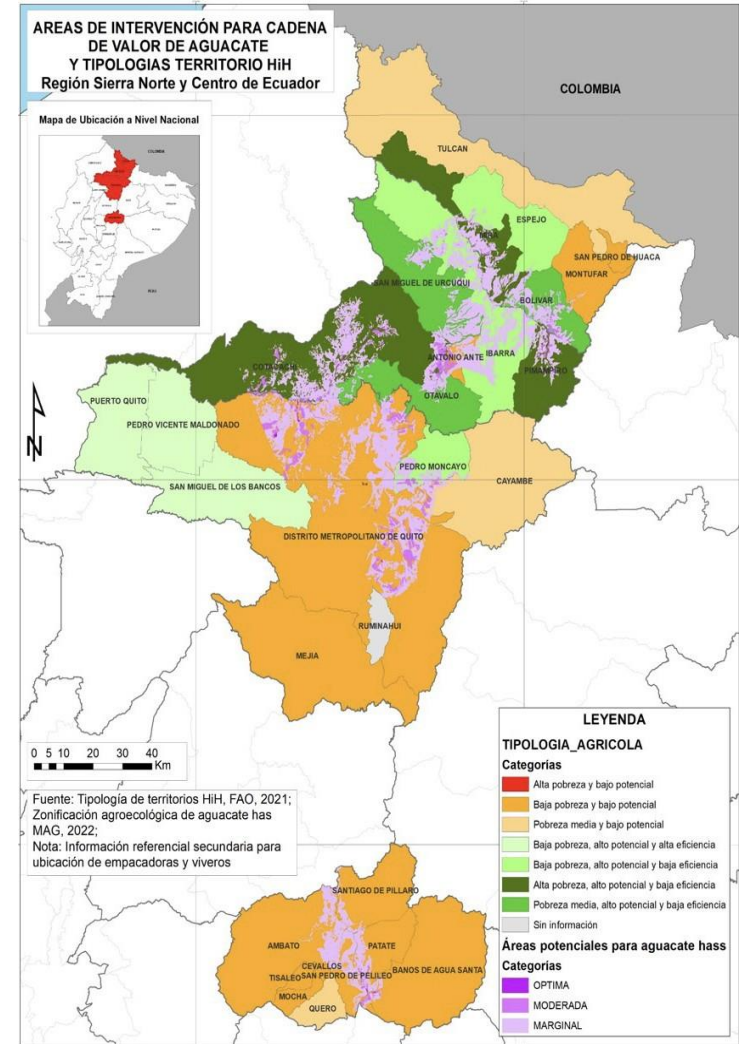
Banana Cadastre 2013



Area estimate 2021



Diversification of non-traditional products



Gracias