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

Earth Observation Data
Synthesis of information
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 and 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

<table>
<thead>
<tr>
<th>Crop</th>
<th>Monitoring</th>
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</thead>
<tbody>
<tr>
<td>Rice</td>
<td>First cycle</td>
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<tr>
<td></td>
<td>Second cycle</td>
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<tr>
<td></td>
<td>Third cycle</td>
</tr>
<tr>
<td>Corn</td>
<td>Rainy season (winter)</td>
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<tr>
<td></td>
<td>Dry season (summer)</td>
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<tr>
<td>Soybean</td>
<td>Rainy season (winter)</td>
</tr>
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<td></td>
<td>Dry season (summer)</td>
</tr>
</tbody>
</table>

Ministry of Agriculture and Livestock
Estimation of area of permanent crops
Agricultural aptitude and Agro-ecological zones

STRATEGIC PRODUCTION AND DIVERSIFICATION OF AGRICULTURAL CHAINS

Ministry of Agriculture and Livestock
Geoportals / Interoperability

Publication and access to information
Interoperability Hand in Hand Platform
Geoportal of Ecuadorian Agriculture

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

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

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

64 web services

Application for downloading Orthophotography and Digital Terrain Model

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

4,503 metadata

168 layers

16,312 requests

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

376 documents

4,503 metadata

168 layers

16,312 requests

http://geoportal.agricultura.gob.ec/
Geoportal of Ecuadorian Agriculture

**Industrias y servicios del Agro**

**Accesibilidad**

**Redes comerciales**

**Registros administrativos**

**Programas e incentivos**

**GEOPORTAL**

Portal web para la búsqueda e interacción de información geoespacial del sector agropecuario

**Generación de cartografía temática Agropecuaria**

**Cobertura y zonificación**

- Estimaciones de cultivos anuales
- Estimaciones de cultivos permanentes
- Zonificaciones agroecológicas

**Suelos**

- Perfiles de suelo
- Geopedología
- Fertilidad
- Aptitud
- Conflictos de uso
- Erosión hídrica

**Riesgos agroclimáticos**

- Monitoreo de inundaciones
- Monitoreo de sequías
- Mapas de riesgos agroclimáticos
- Mapas de riesgos y fitosanitarios
- Evaluación de impactos de cambio climático
Geoportal interoperability – Hand in Hand Geospatial Platform

https://balcon.mag.gob.ec/geoestadistica/wms

https://data.apps.fao.org/rlc
Agricultural Policy

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