



El futuro
es de todos

Gobierno
de Colombia

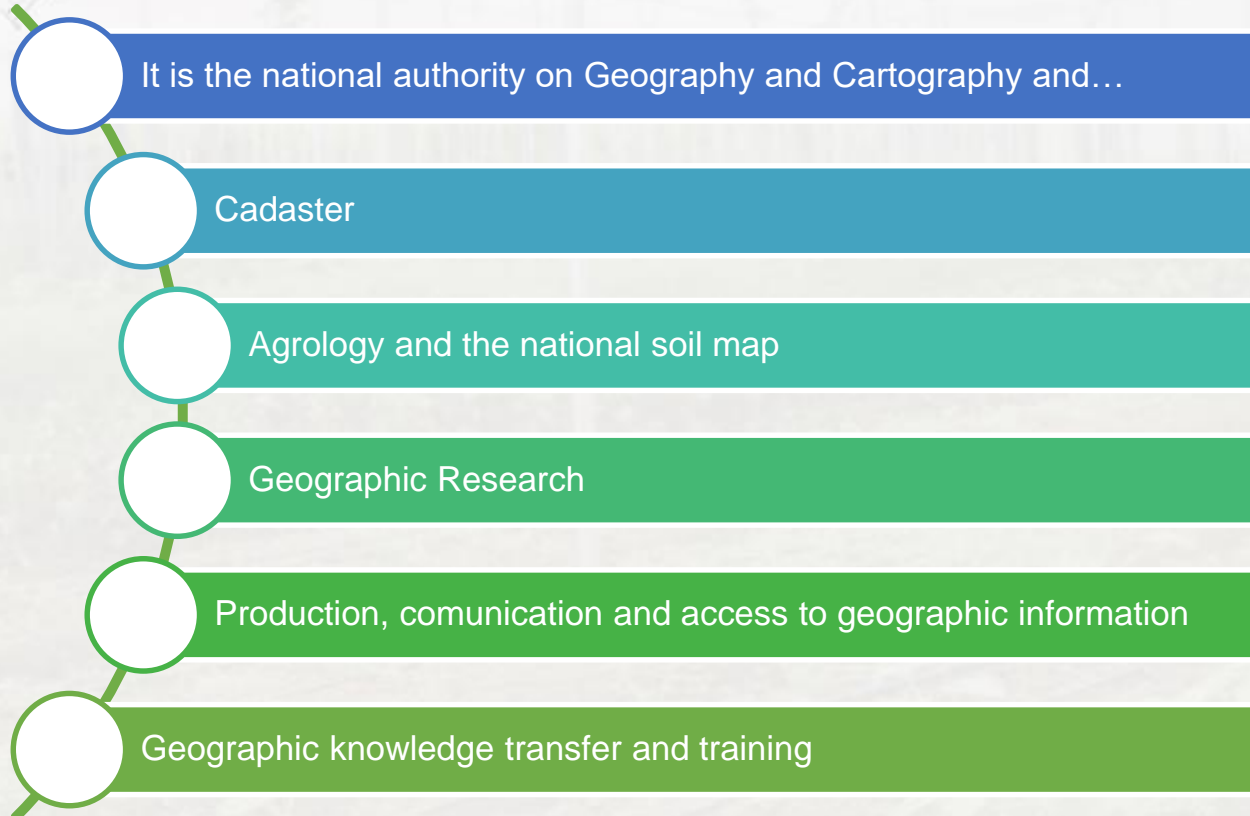
RSO INSTITUTO GEOGRÁFICO AGUSTÍN CODAZZÍ – IGAC, COLOMBIA UN-SPIDER

IGAC
INSTITUTO GEOGRÁFICO
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2020



- **Research, Development and Innovation in the use and application of geographic information technologies.**
- **Knowledge transfer and dissemination**



What do we do?

IGAC promotes in Colombia the use of information obtained from space for different purposes and has supported UN-SPIDER in its activities conducted in Latin America and the Caribbean since 2011.

- Technical Advisory Missions
- Training Missions
- Research and Innovation projects



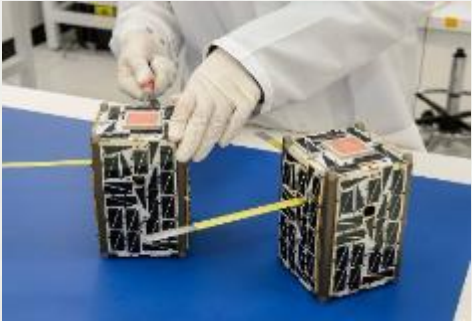
Technical Advisory Mission, Lima 2019.



Training Mission, Ecuador 2019.

Research and Innovation projects

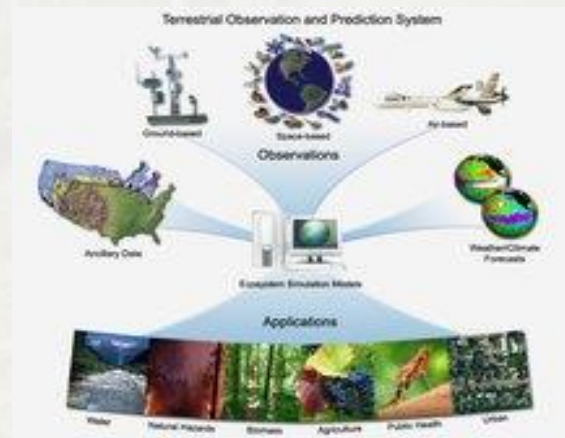
SMALL / CUBE SATS



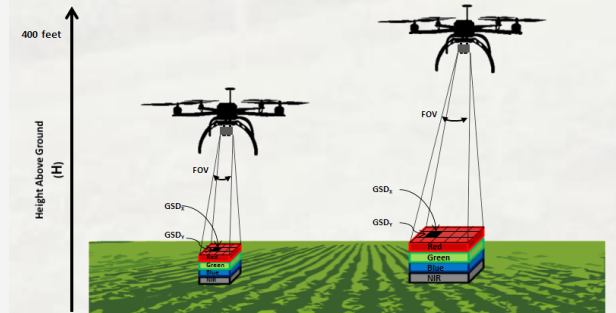
24/7 HD video images - Grounds



End-to-end solutions

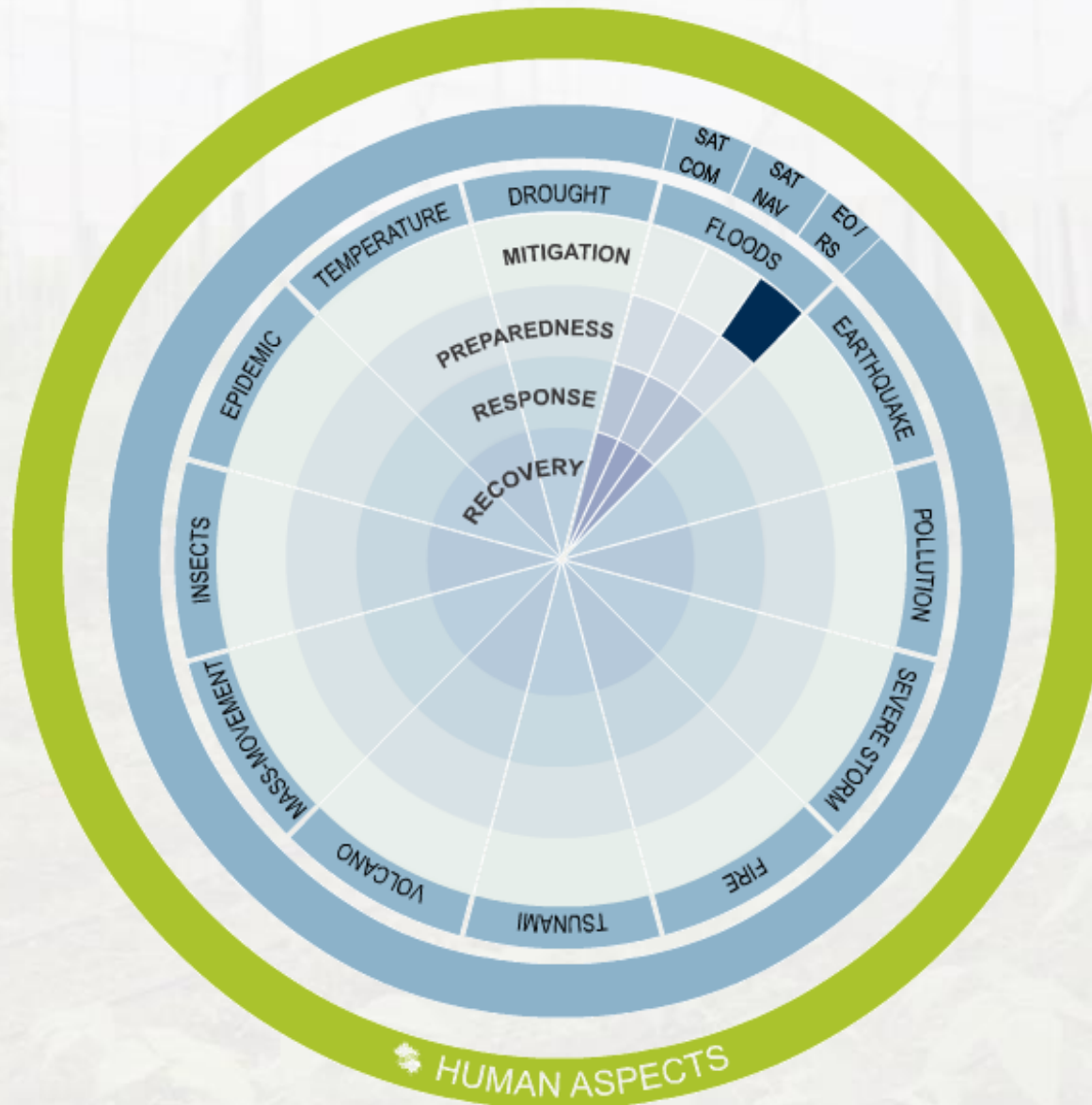


UAVs with AI and data processing RV



Relevance of the temporary resolution

Research and Innovation projects



Damage Assessment Map

Flood Risk Monitoring

Inundation Map

Risk Map

reservoir height measurement



International Cooperation



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PROJECT ARGENTINA - COLOMBIA

Overall objective

Strengthen technical capacities for the identification, monitoring, spatialization and provision of fire information.

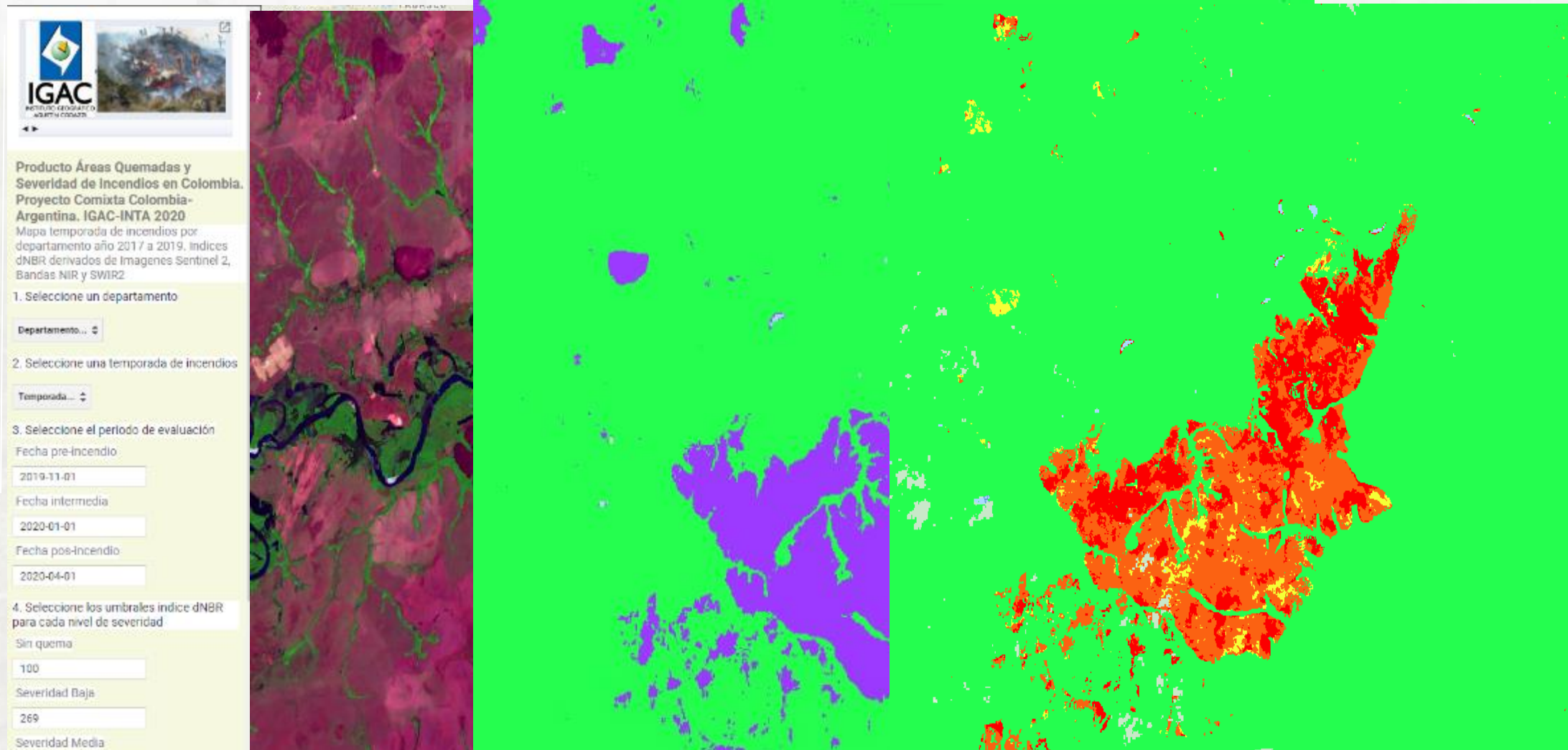


GOOGLE EARTH ENGINE



PROJECT ARGENTINA-COLOMBIA

Identification of burned areas and severity





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AGENCIA ESPACIAL
DEL PERÚ

PROJECT PERÚ - COLOMBIA

Overall objective

To develop a methodology for Colombia, for spatial analysis and modeling of droughts and/or floods monitoring using PeruSAT-1 images.

Recommendations Virtual Regional Meeting of UN-SPIDER

Latin America and the Caribbean

- 1 - **Technical webinars** that focus on virtual practices and tools in order to promote the **use of geospatial technologies applied to risk management**.
- 2 - Incorporate into the **UN-SPIDER Knowledge Portal Case studies** that illustrate how various institutions in the region make use of satellite technologies in disaster prevention, preparedness, response and recovery.
- 3 - Establish a **group of professionals and experts** who can contribute to the **processing of satellite images** to support national disaster management entities in the generation of maps.
- 4 - Promote **collaborative technical activities among the countries** of the region.



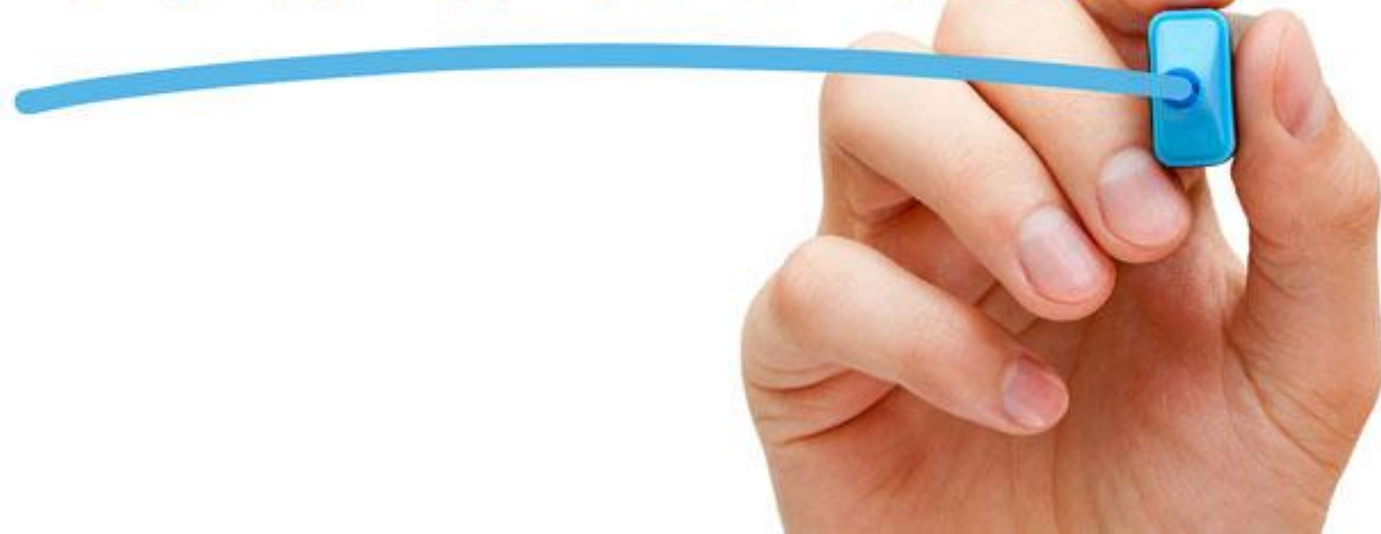




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THANK YOU



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