# Geospatial Situation of Costa Rica
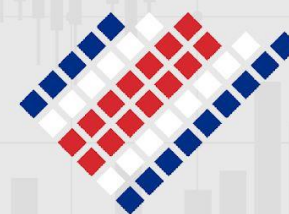
## Progress, challenges and opportunities for implementing the UN-IGIF

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# Progress, challenges and opportunities for implementing the UN-IGIF

- ◆ **Statistical**–geospatial integration under GSGF and IGIF principles.

- ◆ INEC as SEN authority and key actor in interoperability.

- ◆ Strategic alliance INEC–**IGN**–(SNIT / IDECORI)

- ◆ National vision based on UN-GGIM standards and international frameworks

# Stewardship, Governance and Institutional Harmonization

◆ INEC–IGN complementarity for geospatial leadership

◆ Coordination with SNIT and IDECORI toward a coherent national Infrastructure.

◆ Institutional and normative guidelines under consolidation.

◆ Interinstitutional coordination as a foundation for i

# National Geostatistical Framework and INEC Platforms

◆ MGN as the standardized territorial base for the country.

◆ INEC Geoportal: open access, interoperable and OGC-compliant.

◆ Integration of official statistics with updated geospatial data.

# Statistical–Geospatial Integration under the GSG
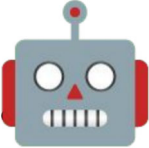
- ◆ Application of the five GSGF principles.

- ◆ Geocoding and harmonization of surveys and administrative records.

- ◆ Improvements in territorial consistency of official statistics.

# Geospatial Innovation and Global Trends

- ◆ Earth Observation (Sentinel, Landsat, Copernicus).

- ◆ Initial integration of AI / GeoAI for MGN updating

- ◆ Progressive migration to cloud-based geospatial infrastructure.

- ◆ Foundations for future digital twins and automated monitoring

# Strengths of the National Ecosystem

- ◆ Strategic alliance INEC–IGN(SNIT / IDECORI)

- ◆ Growing corporate IDEi through SNIT and IDECORI.

- ◆ Capabilities in cartography, GIS, statistics and territorial analysis.

- ◆ Increasing focus on open data, interoperability and standardization.

# Challenges to Consolidate Geospatial Integration

◆ Interinstitutional governance still under development.

◆ Technological infrastructure insufficient for massive data a___.

◆ Gaps in standardization, metadata and territorial qual___
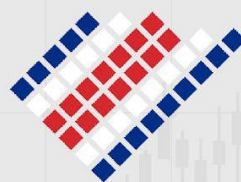
◆ Specialized technical capacities still limited.

# Priority Needs to Advance

◆ Technical assistance from UN-GGIM and UN-GGKIC.

◆ Strengthening of infrastructure and secure storage

◆ National IGIF–GSGF capacity-building strategy.

◆ Establish a national interoperability regulatory framework.

¡Thank you very much!

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