



Copernicus in Central America

Copernicus Programme effectively integrated into the work of
a Delegation

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for Central America, Costa Rica and
Panama*

Copernicus programme benefits



Social Impact

- Reduced casualties in natural disasters
- Improved robustness for food security
- Improved management of air quality



Environmental Impacts

- Reduced areas burnt by wildfires through better civil protection responses
- Higher accuracy for the monitoring of compliance with environmental policies
- Reduced oil spill damages on ecosystems
- Improved fish stock management



Economic Impacts

- (2008- 2020) Overall investment: EUR 8.2 billion
- 17.260 jobs years supported in Europe
- 93% of theses benefits are generate by end users



Strategic impacts

- Strengthened collaboration between states at global scale for civil protection
- Development of EU industry competitiveness

How can we make other countries benefit from Copernicus ?

Central America is doing great!!!



Communication Strategy

 **Unión Europea en El Salvador** · 09 feb. ✓
¡Qué increíble se ve la costa 🌊🇸🇻 de El Salvador 🇸🇻 desde un satélite
#Copernicus Sentinel-3! 🤖😊

@CopernicusEU es el Programa de Observación de la Tierra de la Unión Europea 🇪🇺 — el más avanzado del mundo 🌍.

Visite: copernicus.eu/es



SICA - Sistema de la Integración Centroamericana y 9 más

12 104 406

 **Unión Europea en Centroamérica** · 1d ✓
Con el Programa #Copernicus, Centroamérica y el Caribe podrán monitorear amenazas de terremotos, inundaciones e incendios para garantizar la seguridad de la ciudadanía.

#Sentinel2 🇪🇺🌐 imagen del Parque Nacional Palo Verde, #CostaRica 🇸🇨

Visite: copernicus.eu/es



SICA - Sistema de la Integración Centroamericana y 9 más

5 10

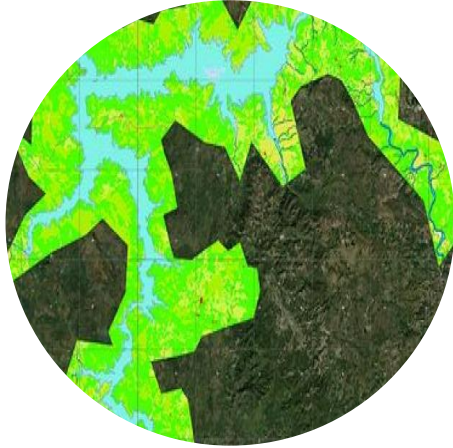
 **Unión Europea** @UEGuat... · 10 feb. ✓
¡Feliz miércoles te deseamos con esta impresionante postal del #VolcánPacaya que fue tomada por el #Sentinel2 de nuestro Programa de Observación de Tierra @CopernicusEU 🇪🇺! El 🌋 ha incrementado su actividad produciendo espectaculares explosiones, flujos de lava y escombros en 🇬🇹.



SICA - Sistema de la Integración Centroamericana y 9 más

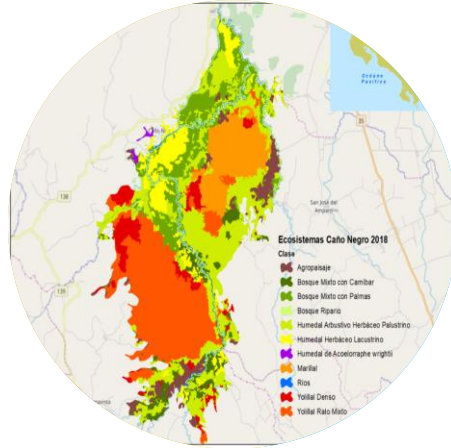
8 39

Institutions are already using Copernicus data



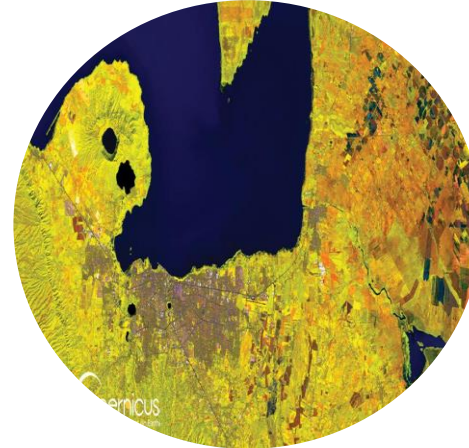
CEPREDENAC

Disaster risk reduction
Received technical assistance to attend Eta and Iota emergency through EMS
Volcano monitoring
Forest fire detection



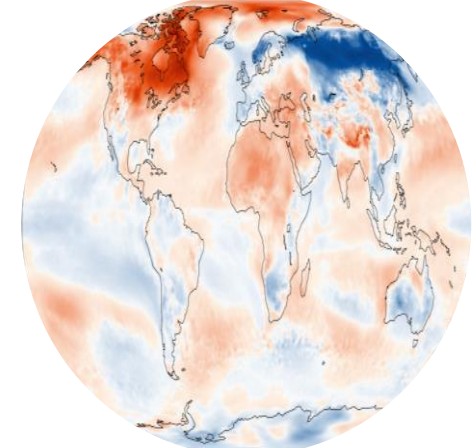
CATIE

Mangrove and wetland protection
Management of protected areas
Land use in Metropolitan Areas



GREEN FUND

Restoration of landscapes and their ecosystem services in 4,500 hectares in Rio San Juan Biosphere Reserve.



PROGRESAN

Weather forecasts
Food and Nutritional Security
maps of surface temperature, agricultural stress and normalized vegetation indices.

1. Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)

2. Colegio Federado de Ingenieros y de Arquitectura de Costa Rica (CFIA)

3. Consejo Indígena de Centro América (CICA)

4. Secretaría General del Consejo Superior Universitario Centroamericano (SG-CSUCA)

5. Facultad Latinoamericana de Ciencias Sociales (FLACSO)

6. Instituto de investigación y proyección sobre ciencia y tecnología, Universidad Rafael Landívar de Guatemala (INCYT)



7. Unidad de información estratégica para la investigación y proyección, Universidad Rafael Landívar

8. Universidad de El Salvador (UES)

9. Universidad de Valle de Guatemala

10. Fondo para el desarrollo de los pueblos indígenas de América Latina y el Caribe (FILAC)

11. Universidad nacional autónoma de Nicaragua, Managua

12. Universidad de Costa Rica

A satellite with large solar panels is shown in orbit above the Earth's horizon. The satellite is positioned in the upper left, with its solar panels extending towards the center. The Earth's blue and white surface curves across the middle of the frame, and the blackness of space is visible in the upper right.

Galileo information center in Mexico

- Analyze satellite navigation initiatives in Mexico and Central America and the Caribbean.
- Development of new applications, products and services based on GNSS by allowing industrial and research cooperation between Latin American and European actors

CEMS Data Hub in Panama



The pilot project aims at **setting up a decentralised data hub in the Republic of Panama**, in order to support the **provision and use of CEMS Risk and Recovery products to Central America and to the Caribbean region.**

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We're heading out towards the stars to help
you navigate the Earth



Thank you



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