

GEO-PICTURES

GMES and EARTH Observation with Position-based Image and sensor Communications
Technology for Universal Rescue, Emergency and Surveillance management

SEEING EMERGENCIES FROM DIFFERENT ANGLES

Throughout the world, when emergencies strike, answering the questions “where” and “what” is paramount for any rescue operation to commence. The project GEO-PICTURES provides an innovative new approach to conveying such information quickly and accurately.

Be it flooding, earthquakes, landslides or forest fires, in all emergency situations there is a need to communicate from the field as quickly and accurately as possible what has happened and where. Quick and targeted rescue operations both save lives, and mitigate effects on the environment in the danger zone.

Europe’s GMES monitoring system for environment and security includes an emergency response service, which concentrates on rapid mapping during the response phase, providing large scale reference and assessment maps.

GEO-PICTURES complements this service by setting up an innovative system facilitating the addition of small scale images and videos from the field, tagged to the

large scale GMES emergency response maps at exact locations, identified by means of GPS satellite navigation technology. In this respect, GEO-PICTURES combines state of the art in satellite communication, navigation and Earth Observation.

By combining the global view of an emergency zone generated by satellite images for GMES emergency reference maps with in field observations and images, civil protection authorities would get a more comprehensive view of the state of play in a crisis area, which is valuable for rapid and efficient rescue purposes.

GEO-PICTURES services address a global audience, which further to EU civil protection authorities also includes United Nations services, governments, NGOs and environmental protection agencies in countries worldwide.



HARALD SKINNEMOEN
IS PROJECT COORDINATOR

QUESTIONS & ANSWERS

What do you want to achieve with this project?

Pioneering an integrated satellite solution in line with UN policy, GEO-PICTURES helps the UN, EU Civil Protection and the Government of Amazonas save lives, environment and critical infrastructures through significantly improved availability of in-situ and space based emergency observations.

Why is this project important for Europe?

GEO-PICTURES will bring Europe to the front of both integrated satellite solutions and support for emergency management. It will contribute significantly both to new operational procedures in disaster management and related space based technology.

How does your work benefit European citizens?

GEO-PICTURES benefits Europe by improved civil protection and disaster management directly. It raises the quality and efficiency of European contributions to global disaster management, and defines a new, leading European position in integrated satellite and space solutions.



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GEO-PICTURES combines satellite communication, navigation and Earth Observation with a view to enhancing Emergency Response capabilities to save lives and mitigate environmental effects of emergencies.

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LIST OF PARTNERS

- AnsuR Technologies, ART, Norway
- United Nations, UNOSAT-UNITAR UN
- Universitat Autònoma de Barcelona, UAB, Spain
- Kongsberg Satellite Services, KSAT, Norway
- Johanniter-Unfall-Hilfe, JUH, Germany
- State University of Amazonas, UEA, Brazil
- Secretary of Science and Technology of the State of Amazonas, SECT, Brazil
- Disaster Management Advice & Training, DMAT Consulting e.U., Austria
- Associação Brasileira De Telecomunicações, TELECOM, Brazil

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PROJECT INFORMATION

GMES and EARTH Observation with Position-based Image and sensor Communications Technology for Universal Rescue, Emergency and Surveillance management (GEO-PICTURES)

Contract no: 242390

Starting date: 01/03/2010

Duration: 24 months

EU Contribution: € 2.385.871

Estimated total cost: € 3.172.081

