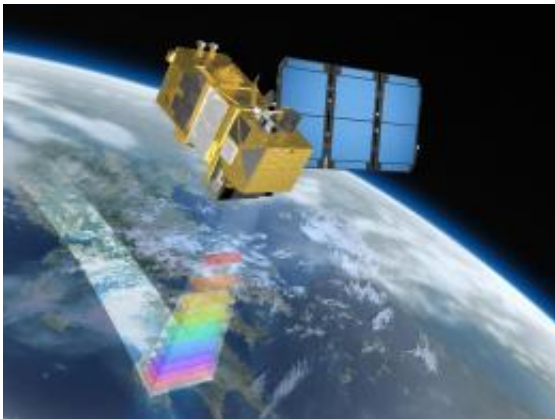


# Rockot to launch two Sentinel satellites

February 10 2012

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The Sentinel-2 mission will be able to monitor changing landscapes like this area by combining a large swath, frequent revisit and systematic acquisition of all land surfaces at high spatial resolution and with a large number of spectral bands. It is being developed by ESA for the European Global Monitoring for Environment and Security program. Credits: Astrium GmbH

ESA and Eurockot today signed contracts for launching two ESA satellites: Sentinel-2A and Sentinel-3A will fly in 2013 on Rockot vehicles from the Plesetsk Cosmodrome in northern Russia for Europe's GMES program.

The contract signing by Matthias Oehm, Chief Executive Officer of Eurockot Launch Services GmbH, and Volker Liebig, Director of ESA's Earth Observation Programs, took place at the historic Chamber of Commerce of Bremen, Germany.

The Senator for Economics, Labour and Ports of the Free and Hanseatic City of Bremen, Martin Günthner, and the Chief Executive Officer of Astrium Space Transportation, Alain Charmeau, were also in attendance.

Eurockot is based in Bremen, Germany and is a joint venture between Astrium and Khrunichev Space Centre. The company provides low-orbit launches for observation and communication satellites from its dedicated facilities in northern Russia.

“With the launch of the first suite of Sentinels, a new era of Earth observation will start in Europe with the first worldwide operational monitoring system of environment and security,” noted Prof. Liebig.

Sentinel-2 and -3 are two of five [Sentinel](#) missions that ESA is developing for [Europe](#)’s Global Monitoring for Environment and Security (GMES) program.

Through GMES, decision-makers will have access to reliable, timely and accurate information services to manage the environment, understand and mitigate the effects of climate change and ensure civil security.

The Sentinel series is planned to collect crucial [Earth observation](#) data for two decades.

Sentinel-2 will deliver frequent and systematic high-resolution optical imagery of Earth’s landmasses, supporting operational applications in the fields of agriculture, forestry, land cover and cartography.

The mission will support humanitarian relief work and the extraction of geophysical variables from vegetation.

The Sentinel-3 mission will carry several instruments to measure variables such as sea-surface topography, sea- and land-surface

temperature and ocean color.

This information will be used to produce a consistent, long-term set of remotely sensed marine and land data for (operational) ocean state analysis, forecasting and services.

Each Sentinel mission is based on a constellation of two satellites to meet revisit and coverage requirements to provide robust datasets for GMES services.

Sentinel-2A and Sentinel-3A are the first members of their constellations.

Eurockot was responsible for the launches of ESA's GOCE and SMOS Earth Explorer satellites, as well as the Proba-2 technology demonstrator.

This summer, Eurockot will launch the three satellites of ESA's Swarm mission, which will study Earth's magnetic field.

Provided by European Space Agency

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