

EARSC 2012

a year to expand and develop EO and geo-information busines.

Industry survey, initiatives to deepen relationships with new sectors, promotion of EO services, working groups, lobbying activities...



Editorial

In November, I was invited to Warsaw to participate to a workshop (1) on the use of satellite applications by non-space SME's. It was an interesting, well-attended meeting focused on satellite applications as a driver for business innovation in small and medium enterprises coming from sectors other than "space" i.e. transport, retail, agriculture, construction, manufacturing etc. It had the goal to inform SME's of the potential opportunities and provide feedback to the decision-takers and policy makers on the support SME's need to pursue them. I was there to represent and present the capabilities of the EO services sector. SME's in Europe represent the vast-majority of businesses and provide two-thirds of Europe's jobs. They have a crucial role to play in the European economy particularly in the times of a crisis. ...

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Summary

Issue 28 Winter 2011/2012

▶ EARSC Activities

[Big success for 2nd OGEO workshop](#)

The 2nd OGEO workshop was organised following on from the success of the first conference in 2010. It was hosted for the 2nd year running by ESA in Frascati but this time as part of the Geological Remote Sensing Group's (GRSG) annual meeting.

[EARSC position paper on GMES data policy](#)

In March 2011, EARSC published a position paper that provided views on how the European EO Services industry could support and benefit from a publicly-owned GMES infrastructure *; the goal being to maximise the overall economic return from the substantial public-sector investment.

[Resumé EARSC activities of 2011](#)

▶ Interview

[Interview Dr. Peter Hausknecht, Chairman OGEO working group and Remote Sensing Coordinator at Woodside Energy Ltd.](#)

▶ Industry Profile

[Flyby, a small enterprise delivering challenging Remote Sensing Solutions](#)

Flyby is an independent Italian SME company, devoted to applied research and innovative technology development in remote sensing. Interdisciplinary background and expertise in various fields allow Flyby to face complex challenges in applied research and to develop innovative products that bring a high added value to the many Institutional and Private customers.

▶ Member News

[Aerodata helps making Dutch television program "Nederland van Boven"](#)

(Dec2011). "Nederland van Boven" (The Netherlands from Above) is a new series from VPRO-television showing how the country works, lives and develops.

[Agricultural mapping in Yemen](#)

Gisat responded to the request of United Nations' Office for Coordination of Humanitarian Affairs (UN OCHA) to provide mapping service for agriculture change assessment in the Sa'ada governorate in the northern Yemen.

[Calvalus - An efficient processing system for cal/val and algorithm development is now available](#)

Brockmann Consult successfully completed the ESA Calvalus project

[Critical Software depicts its insights on Competitive Intelligence](#)

Critical Software will take part in the conference "Competitive Intelligence – A Strategic Solution", to be held on January 17th, around 18h00, at the Military Academy (Auditorium 9), in Lisbon, Portugal.

[e-GEOS International Conference 2012 "Developing New Business Relations"](#)

Rome, May 23 & 24

[Earth Observation Industry Remains Buoyant Despite Challenging Economic Environment](#)

Opportunities expected from satellite export & international data sales by Euroconsult

[Elephant conservation in Tanzania](#)

(2011-12-21) Metria works for WWF, with vegetation mapping and environmental monitoring in the Mtwara Development Corridor in Southern Tanzania. The keystone species of the area is the african elephant currently under great preassure due to increased poaching in the area.

[European Space Imaging Celebrates 10 years of Leadership in Europe.](#)

It's 2002 and, following the launch of the first Very High Resolution (VHR) earth observation satellites, European Space Imaging (EUSI) is established in Munich, Germany. The company was founded with two goals: To become the leading provider of imagery throughout Europe & North Africa and to provide the unique service of locally tasking VHR satellites over these regions. Ten years later and EUSI continues to lead the way.

[Eurosense News Winter 2012](#)

Eurosense recent news on thermography and REDDiness & G-Mosaic (forest monitoring).

[GeoVille will carry out 3 GMES Initial Operations \(GIO\) Land Monitoring Services 2011-2013](#)

GeoVille's mission is to offer cost-effective, high quality end-to-end Earth Observation (EO) solutions, with particular emphasis on land monitoring. Recently awarded by EEA to carry out 3 of the 6 GIO Land Monitoring Services LMS, the company has solidified its heritage as a top performing provider of land related remote sensing services in Europe.

[GMES Land products developed in Geoland2](#)

Requirements and examples of products for analysis at a European and regional level. The video and slides available.

[GMES Service Element for Forest Monitoring REDD in Congo Basin: Presentation of Side Event at COP17 in Durban, 2011](#)

GAF AG hosted GSE FM REDD Programme in collaboration with the Government of the Republic of Congo a REDD+ Side Event at the COP17 in Durban, December 2011

[Grace merges its activities with P.L.A.N.](#)

GRACE Ltd is pleased to announce the merge of its overall activities within the P.L.A.N. network of consultants.

[INSA applies Satellite and ground-based sensors for the Urban Heat Island and Heat wave analysis in the city of Madrid](#)

"INSA has implemented an innovative geospatial system to improve the monitoring of high temperature events using MODIS and SEVIRI data in Madrid".

[KSAT, ConocoPhillips and e-GEOS \(ASI/Telespazio\) sign contract to monitor ice formation and movement using the COSMO-SkyMed constellation](#)

Tromsø (Norway), January 11, 2012Kongsberg Satellite Services (KSAT) ConocoPhillips Company [NYSE:COP] and e-GEOS (ASI/Telespazio) have signed a contract for monitoring ice formation and movement throughout the 2011-12 winter season.

[Metria maps rain forest in Liberia](#)

(2011-12-21) Metria have on a contract from the World Bank and financed by the European Space Agency mapped rain forest in north western Liberia.

[PCI news](#)

[Pléiades: success story of a new birth](#)

Following Pléiades 1 successful launch, Astrium GEO-Information Service is gearing up to provide 50 cm products to its customers

[Rapideye press releases](#)

Rapideye contracted to cover China third year running.
Rapideye overing Lithuania in Multi-Year contract

[Remote Sensing Application Center \(ReSAC\) has taken part with scientific research on "Forest cover monitoring and forest damage assessment in the frame of GMES projects – Case study in Bulgaria" under the 7FP Project EUFODOS \(European Forest Downstream Se](#)

In January 2011 the EUFODOS Project in the frame of 7FP began (in which ReSAC is partner), which goals are to develop specific downstream forest services related to forest monitoring and forest damage assessment.

[ReSAC participation in BULCOVER –the Bulgarian reference land cover geodatabase, using the Land Cover Classification System \(LCCS-FAO-UN\) - Contribution to INSPIRE Directive and GMES Operational Capacity.](#)

Under a R&D project, ordered by the State Agency for Information Technologies and Communications (now an Executive Agency – Electronic Communication Networks and Information Systems, in the Ministry of Transport, Information Technologies and Communications) Remote Sensing Application Center – ReSAC, in cooperation with the Agency for Sustainable Development and Eurointegration – ECOREGION, developed the Bulgarian contribution for establishing of a model of a national spatial land cover database, based on the classification system of Food and Agriculture Organization – Land Cover Classification System (FAO-LCCS) of the United Nations.

[Satellite monitoring of inland freshwater areas in Denmark by GRAS](#)

GRAS is involved in mapping of water quality of Danish lakes using WorldView-2, Landsat and MERIS.

[ScanEX news](#)

[Sharper DMCIi satellite images guide farmers worldwide](#)

(Nov2011) In the two years since DMCIi added 22m multispectral imagery to its geospatial data portfolio, the detailed satellite views of the Earth's surface have proved highly-valued tools for farmers facing increasing pressures – not least of which is rising fertiliser costs.

[Successfully factory acceptance test for the Sentinels 1,2 and 3 Front End Processing system](#)

Kongsberg Spacetec (KSPT) as prime contractor has successfully conducted the factory acceptance test for the Sentinels 1,2 and 3 Demodulation and Front End Processing System (DFEP).

[VCS Aktiengesellschaft is now SCISYS Deutschland GmbH](#)

VCS Aktiengesellschaft has changed legal basis and name with effect from 12th of December (according to §§ 190 ff., §§ 238 ff. UmwG). The company now operates as SCISYS Deutschland GmbH.

[▶ Earth Observation News](#)

[3rd EARSeL Workshop Advances in Remote Sensing for Archaeology and Cultural Heritage Management](#)

For further details and information on abstract submission and registration please visit [Earse!](#)

[A Step Closer To Mapping The Earth In 3D](#)

(13 January 2012) After a year in service, the German Earth observation satellite TanDEM-X, together with its twin satellite, TerraSAR-X, have completely mapped the entire land surface of Earth for the first time.

[China to launch country's first high-resolution mapping satellite for civil purposes](#)

China will launch its first-ever high-resolution geological mapping satellite for civil purposes next January, according to official sources.

[Cost-benefit analysis on the GMES programme available online](#)

Booz & Company was commissioned by the European Commission to undertake a cost-benefit analysis of the GMES programme.

[ESA Chief Threatens To Cancel Launch of Sentinel Satellites](#)

PARIS — The European Space Agency (ESA) is maintaining its position that it will cancel the planned 2013 launching of a series of Earth observation satellites co-financed with the European Commission unless the commission commits to financing their operation beyond 2014, ESA Director-General Jean-Jacques Dordain said Jan. 9.

[ESA selects Astrium to build Sentinel-5 Precursor satellite](#)

(December 2011) Furthering Europe's capacity to monitor atmospheric pollution, ESA has awarded a contract worth 45.5 million euro to Astrium UK to act as prime contractor for the Sentinel-5 Precursor satellite system.

[ESPI report "The Socio-Economic Benefits of GMES"](#)

Since 25 November 2011 the study report published by the European Space Policy Institute (ESPI) and dealing with the socio-economic benefits of GMES is available online.

[Europe Opens Access to Public Data](#)

(December 2011) The European Commission is to make public data available, irrespective of whether it is for commercial or non-commercial use, and it is calling national governments to follow this example. The term 'public data' covers all the information that public bodies in the European Union produce, collect or pay for. This could include geographical data, statistics, meteorological data, data from publicly funded research projects, and digitised books from libraries.

[GeoEye Wins Russian Property Mapping Contract](#)

PARIS, 3 Jan2012 — Earth imagery provider GeoEye on Jan. 4 said it signed a new multimillion-dollar agreement with Russia's ScanEx company to complete a national map of Russian land properties.

[Geospatial initiative shows the way](#)

GeoSUR, a Latin American and Caribbean (LAC) open access and web-based initiative for geospatial data-sharing, has received a boost at the Eye on Earth Summit in Abu Dhabi (12-15 December).

[Geospatial Technology Industry growth](#)

GIS/Geospatial industry worldwide growth is forecast to slow to 1%, down from 11% in 2008 and a whopping 17.4% in 2007 according to a just released study by Daratech, Inc., a Cambridge, Massachusetts market research firm.

[Geospatial World Forum 2012: The Premier Geospatial Industry Event](#)

Geospatial World Forum 2012 scheduled to be held from 23-27 April at RAI Convention Centre, Amsterdam is one of the biggest and most comprehensive conferences in the geospatial domain for the year. With participation of over

2000 delegates from 100+ nationalities representing the different stakeholder communities of geospatial domain, Geospatial World Forum will aim at raising the profile for the industry and bridging the gap between geospatial with other sectors vital to the world economy.

[GMES discussions at the COP 17 conference](#)

From 28 November to 9 December 2011, the COP 17 conference will be held in the city of Durban, South Africa.

[GMES experts \(Deadline: 11/05/2012\)](#)

Notice of call for expressions of interest concerning technical assistance in evaluating, monitoring and validating GMES projects and services.

[Google Earth, Foreign Wars, And The Future Of Satellite Imagery](#)

DigitalGlobe, the firm that provides much of the imagery for Google Earth, is launching a next-generation satellite in 2014.

[Growth and competitiveness using satellite applications – practical approaches for non-space SMEs](#)

Over 150 entrepreneurs and policy-makers gathered at this successful conference to learn more about the concrete benefits of using satellite information and services to inform decisions and manage businesses, and the positive impact they have on SMEs' growth and competitiveness.

[High Resolution OrbView - 3 Images Now Available from USGS](#)

OrbView-3 satellite images collected around the world between 2003 and 2007 by Orbital Imaging Corporation (now GeoEye) at up to one-meter resolution can now be downloaded at no cost through USGS EarthExplorer.

[Ice data at your fingertips](#)

[Jason-1 Achieves a One-Decade Landmark](#)

On Dec. 7, 2001, NASA and the French Space Agency Centre Nationale d'Etudes Spatiales (CNES) launched the Jason-1 satellite from Vandenberg Air Force Base, Calif., embarking on a planned three-to-five-year mission to study Earth's ocean from space. Jason-1 celebrates 10 years of precisely measuring ocean surface topography.

[LANDSAT archives now available](#)

On 23 November 2011, over 30 years of archived data from the US Landsat Earth-observing satellites became available, free of charge. The majority of these products are unique to ESA's (European Space Agency) archive and have never before been accessible anywhere else by the scientific user community.

[MDA Expands RADARSAT Distribution In China](#)

(5 January 2012) MacDonald, Dettwiler and Associates Ltd., a provider of essential information solutions, announced today that it has signed an agreement valued at Cdn\$ 3 million with EarthView Image Inc., for the provision of RADARSAT distribution rights for three years.

[New range of earth observation satellites to be launched](#)

(Dec 2011) UK to build atmospheric sentinel. British industry has been contracted to build a major European satellite to monitor atmospheric composition.

[November 18-19, 2011 - Post GEO Workshop, Istanbul, Turkey](#)

Earth Observations for the Social Benefit of the Balkans – Post GEO Workshop

[NSR... Exposure Exigencies \(Earth Observation\)](#)

[SatNews] NSR's most recent research on the Earth Observation (EO) market confirmed the importance of government funding for both the supply and the demand side of the business.

[Ocean health, disaster impacts monitored from above by satellite remote sensing](#)

New remote sensing technologies with applications such as predicting problems with ocean fish stocks and assessing natural disasters were reported at conferences sponsored recently in Prague by SPIE, the international society for optics and photonics. The papers and others from SPIE Remote Sensing have been published in the SPIE Digital Library, with freely accessible abstracts and full papers available by rental, pay-per-view or subscription.

[Satellites Can Help To Grow The Perfect Grape](#)

A little water is needed to make wine, but how do you know when enough is enough? ESA's GrapeLook service can give you the answer.

[Satellites respond to humanitarian needs](#)

A review of crisis response using Earth observation techniques is now available online. The Respond Atlas outlines global events where remote sensing assisted in preparing for and responding to disasters and humanitarian crises.

[South-Eastern European Journal of Earth Observation and Geomatics](#)

The nine societal benefit areas (Agriculture, Biodiversity, Climate, Disasters, Ecosystems, Energy, Health, Water, Weather), identified by the Group on Earth Observations (GEO) member states, clearly shows that Earth Observation is here only to benefit the citizens.

[SPIE Remote Sensing 2012](#)

24 – 27 September 2012. Edinburgh International Conference Centre, United Kingdom

[The NGAC Challenges FGDC to Restructure, Use GSA Procurement Process](#)

The National Geospatial Advisory Committee (NGAC) is recommending that the Federal Geographic Data Committee (FGDC) move the procurement process for geospatial technology under the auspices of the General Services Administration (GSA). Why? The NGAC has deep concerns about how well the FGDC has performed its statutory duties. This article provides information on the NGAC's additional warnings and "barriers to success" for the FGDC.

[UNOSAT and WFP devise stronger cooperation in geospatial information for emergency preparedness and response](#)

December 2011, Rome, Italy – UNOSAT and the Emergency Preparedness and Response Branch of the World Food Programme have decided to increase their cooperation in the area of geospatial information for crisis preparedness and response.

[Vector1media Ten Predictions for 2012](#)

[Vietnam to launch earth-monitoring satellites](#)

[HANOI] Japanese experts are to help Vietnam build its first earth-observation satellites in an effort to help the South-East Asian country plan for the effects of climate change and natural disasters.

[Ziyuan III satellite sends back hi-res images](#)

The Ziyuan III satellite has sent back its first set of visual data days after the orbiter was successfully launched on Jan. 9 to produce high-resolution imagery for civilian use.

[▶ Programmes](#)

[Adoption of the Communication on the GMES programme and its operations from 2014 onwards](#)

On 30/11/2011, the European Commission adopted its Communication on the “European Earth monitoring programme (GMES) and its operations (from 2014 onwards) (COM 831).

[EC paper on GMES data and information policy](#)

[ESA-EU Space Council](#)

Adoption of a resolution on “Benefits of space for the security of European citizens”

[GMES-related contract awards](#)

Several contract award announced in the domains of flood alert and land monitoring

[NEREUS published a position paper on the funding of GMES beyond 2014](#)

The Network of European Regions Using Space Technologies (NEREUS) has published a position paper entitled “Provisions for GMES in the Multiannual Financial Framework 2014-2020”.

[€5.8 billions proposed to fund the European programme for Earth observation](#)

Brussels, 30 November 2011 – The European Commission has proposed to finance the GMES programme (Global Monitoring for Environment and Security) for Earth observation for the period 2014-2020 outside the EU financial framework, for which an estimated budget of €5.8 bn is deemed necessary.

[▶ Events](#)

[Events Winter 2012](#)

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