

## BLACKBRIDGE TO SET THE GROUNDS FOR RELIABLE FOREST DEGRADATION MONITORING

BlackBridge is the leading partner of the project ForMoSa, an Innovator III project funded by the European Space Agency (ESA) through the Data User Element. The project aims at developing methodologies for forest degradation monitoring and algorithms for sensor interoperability in the frame of REDD+ MRV. These are considered as high-priority research topics by the Global Forest Observation Initiative. For this project, BlackBridge has teamed up with Wageningen University and FAO, two world-class organizations with an active involvement in REDD+.

"This is a very exciting opportunity for us to develop methods and workflows to further increase the usefulness of EO data for REDD+ MRV," said Rene Griesbach, Project Manager for BlackBridge. "Accurate deforestation and forest degradation monitoring are critical to support developing countries in their readiness for REDD+. We are very pleased to participate in this project". said Inge Jonckheere, from FAO [www.blackbridge.com](http://www.blackbridge.com).

## HEXAGON GEOSPATIAL TO DEVELOP INFORMATION SERVICES USING OS DATA

Ordnance Survey and Hexagon Geospatial are pleased to announce a new agreement, with a shared focus on enabling **Hexagon Smart M.Apps** to support key initiatives such as **Smart Cities**. Through the new agreement, Ordnance Survey content, including aerial imagery, will be a part of the **Hexagon Smart M.App** experience, delivering a wide range of innovative information services. This provides geospatial solution providers with an opportunity to develop **Hexagon Smart M.Apps** to address targeted industry concerns. The new initiative has the potential to address multiple concerns across a city, including utilities, transportation, emergency response, security, and even insurance and health. "The **Hexagon Smart M.App** provides a simplified approach to developing and interpreting analytics, with the potential to address concerns for Smart Cities, migration, security, resilience and environmental changes," said **Nigel Clifford, CEO, Ordnance Survey**. [www.ordnancesurvey.co.uk](http://www.ordnancesurvey.co.uk)



## FUGRO PROVIDES UNDERWATER SERVICES TO TOTAL FOLLOWING CONTRACT AWARD

**Fugro** has been awarded a five year contract for the provision of underwater services to **Total E&P UK Limited** (TEP UK). Under the contract Fugro is providing a full range of **ROV** services to conduct inspection, repair and maintenance activities on TEP UK pipelines, subsea assets and jackets. Prior to this significant contract award Fugro demonstrated its ability to support such a contract with a range of quality services, following the successful completion of both platform- and vessel-based campaigns

for TEP UK. In July 2015, Fugro undertook the **Central Graben** area ROV inspection campaign, utilising the ROV support vessel **Atlantis Dweller** and its two permanently mobilised ROV systems. The workscope included cathodic protection, flooded member detection and high pressure water jetting services. The inspection campaign was completed ahead of schedule and TEP UK has noted the excellent safety culture and efficiency demonstrated by Fugro. [www.fugro.com](http://www.fugro.com)

## ORIGINGPS AND MEDIATEK CREATE SMALLEST MULTI-GNSS MODULES

**OriginGPS** has launched a new family of products, the first of which is the **ORG1510-MK**, the world's smallest fully integrated multi-GNSS (GPS, Glonass and BeiDou) module. The miniature low-power architecture supports an update rate of up to 10Hz and contains onboard flash memory, making it the perfect GNSS component for devices that require fully-featured components with small footprints, such as UAVs designed to follow fast-moving activities or wearables. The ORG1510-MK contains the

**MediaTek MT3333** chip, which supports the fastest update position calculation rate of all leading modules. It consumes very little power with the use of both standby mode and backup mode, and, in advanced applications, a periodic mode that can turn the device on and off when in backup or standby. "The inclusion of MediaTek has enabled the creation of the most powerful GPS module on the market," said **Gal Jacobi, CEO of OriginGPS**. [www.origingps.com](http://www.origingps.com) [www.mediatek.com](http://www.mediatek.com)

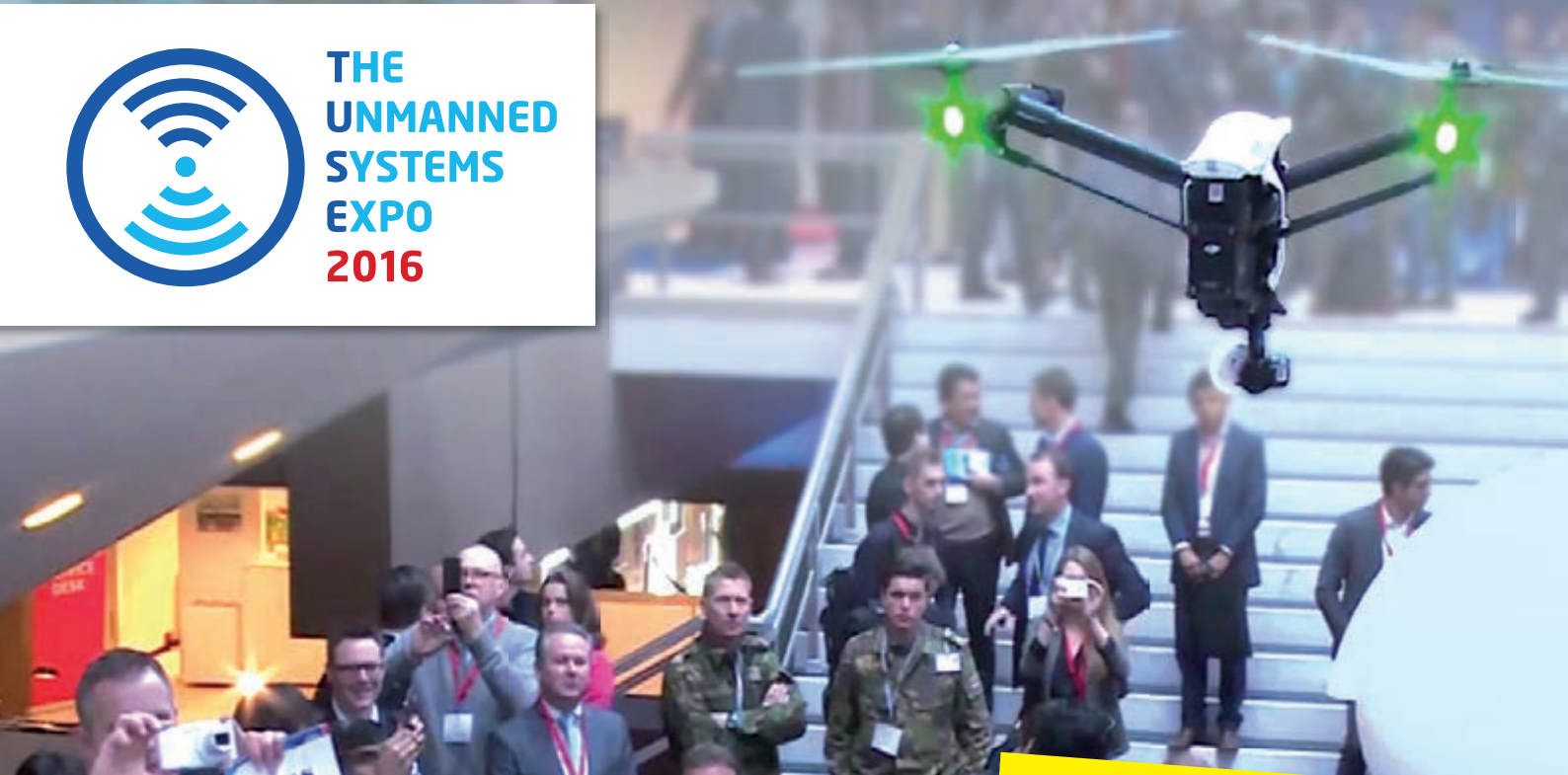
## SIMACTIVE STRENGTHENS ITS ENTERPRISE UAV OFFERING WITH VERSION 6.3

**SimActive Inc.** is pleased to announce **Correlator3D™ version 6.3** with an expanded UAV enterprise offering. A new floating licensing option allows computers on the same network to seamlessly borrow licenses from a pool, increasing transferability for enterprise requirements. Due to the worldwide client base of Correlator3D™, multi-language support is also introduced with this version. Users can now operate the software in multiple languages, along with

the default English option. Examples of the increased selection include Chinese, Japanese and French. "With users in over fifty countries, including many with enterprise requirements, we continue adding features to meet the immense industry demand for the product", said Louis Simard, CTO of SimActive. "With processing speed at least ten times faster than entry-level UAV software, Correlator3D™ is the only affordable global enterprise solution." [www.simactive.com](http://www.simactive.com)



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## PHASE ONE INDUSTRIAL RELEASES SOFTWARE DEVELOPMENT KIT 8.3.3

Phase One Industrial has announced the Phase One Software Development Kit (SDK) 8.3.3 in Linux, Windows and Mac OS versions. This SDK provides tools that enable users to build custom applications to control the way Phase One aerial cameras capture and process images. It enables users to precisely control which parameters to apply, such as capture frequency, exposure values and white balance, while capturing or processing images from a Phase One aerial camera. The Phase One SDK includes interface components for custom applications to work with the Phase One cameras in a production set up. It also includes components to automate image processing with user settings through the Capture One Processing Engine, without a need for loading or navigating the standard user interface of Capture One. The Phase One SDK includes reference documentation and sample applications for guidance and inspiration as well as access to SDK updates. [industrial.phaseone.com](http://industrial.phaseone.com)

## OGC AND ASPRS TO COLLABORATE ON GEOSPATIAL STANDARDS

The Open Geospatial Consortium (OGC) and the American Society for Photogrammetry and Remote Sensing (ASPRS) have agreed to work together more closely in the application and promotion of standards and best practices for the location and geospatial industries. The OGC and ASPRS will work jointly to develop use cases and requirements for open geospatial standards in the domains of data acquisition and dissemination, image processing, and remote sensing science. An early priority is to jointly assess the current state of adopted and de facto standards for Point Cloud data and consider collaborative publication of one or more standards where there is a mutual benefit of both organizations. The members of the OGC Point Cloud Domain Working Group DWG have made the Working Group open to members and the public by allowing open membership to the email list and all meetings. [www.opengeospatial.org](http://www.opengeospatial.org)



## SUBARU JOINS HERE MAPCARE PROGRAM

HERE announced that **Subaru of America, Inc.** is the latest automotive leader to join the **HERE MapCare** program, marketed as the **Subaru Map Update Program**, enabling its customers to qualify for three years of free map updates for their in-dash navigation system. Subaru customers in the United States purchasing a 2016 model year navigation-equipped vehicle are eligible for three annual map updates following purchase. If they purchase within 60 days of a new map release,

they are also entitled to that update plus three years of subsequent updates. HERE, which provides high quality map data for vehicles, launched MapCare in 2009 to ensure drivers get access to up-to-date maps, and some 26 vehicle brands have since joined the program. "With our MapCare program, cars on the road today can get these maps from HERE in an easy and convenient way," said **Bruno Bourguet, senior vice president, Sales & Business Development, HERE.** <http://360.here.com>.

## PROTEUS STRENGTHENS THEIR PROFESSIONAL SATELLITE IMAGERY PROCUREMENT SERVICE

**Proteus** have strengthened their **Professional Satellite Imagery Procurement Service** by signing up as a reseller with international satellite imagery provider **Airbus Defence and Space**. Proteus are now an official reseller of Airbus's satellite imagery data and value added products. "We are very excited to formalise our relationship with Airbus Defence and Space," said **Proteus CEO David Critchley**. "We are currently providing our clients with a successful Satellite Imagery Procurement Service, adding the large product portfolio of Airbus Defence

and Space to our current catalogue of data provides our customers with even more choice of high quality product and satellite tasking services." Proteus has been delivering geospatial solutions for mapping and classification projects using multispectral satellite imagery since 2011 and their satellite imagery projects have been delivered for environmental consultancies, oil & gas, engineering and other coastal zone applications in Europe, USA, the Middle East and Caribbean. [www.proteusgeo.com](http://www.proteusgeo.com)



## CTRACK IMPLEMENTS ADVANCED TELEMATICS FOR KLM EQUIPMENT SERVICES

**KLM Equipment Services** (KES) has teamed up with **Ctrack** to develop and implement an advanced telematics and employee identification solution at **Amsterdam Airport Schiphol**. As a result, the company will now be able to monitor who and when employees are using its fleet of specialist vehicles and equipment including de-icers, power units, baggage towing vehicles, loaders, mobile staircases, catering trucks, belt loaders. KES made the decision based on Ctrack's ability to create a user-friendly solution that combined the latest technology, cost efficiency and high levels of service delivery. **Hilger van Dam, Managing Director of Ctrack Benelux** commented: "Our identification software and telematics expertise is enabling companies



such as KES to outsource use management per user group without losing the visibility of assets. This has the potential to save many hours of administrative work, while providing the basis for making fleet operations more flexible." [www.ctrack.co.uk](http://www.ctrack.co.uk)

## EXPERIENCED NEWCOMER TO SET NEW STANDARD FOR SATELLITE IMAGERY AND ANALYTICS



**Hera Systems** is planning its initial launches of the first of the company's satellites that will capture high-resolution Earth images and video in near-real time, in October 2016. It will be the only company to collect fresh,

intelligent, one-meter and higher resolution imagery and video of any location on the globe, and make these products, along with analytics and derived information, easily accessible on-demand via mobile applications, in one affordable package. Hera Systems successfully completed the preliminary design review for the spacecraft, a key engineering and business milestone. The company's initial constellation will comprise nine satellites. Featuring "sun-synchronous" and "inclined orbit" capabilities, these satellites will enable coverage of the entire globe and at varying times during the day. As market demand grows, Hera Systems will expand its constellation to include 48 satellites in order to provide near-hourly updates. [www.herasys.com](http://www.herasys.com).

## TOPCON AND AUTODESK PARTNERSHIP STRENGTHENS AT DIGITAL CONSTRUCTION WEEK

**Topcon GB & Ireland**, announced the latest development of its partnership with **Autodesk** at Digital Construction Week (21st – 22nd October), revealing the integration of its **DS-200i total station** with Autodesk's new **BIM 360 Layout** app. This latest step between Topcon and Autodesk means that the DS-200i total station can now connect to a coordinated model to the field layout process, increasing both accuracy and productivity on site. Along with the DSi series, Topcon showcased a wide range of geospatial and construction products at the event - all complemented by a comprehensive display of compatible software. Kit on show included the **LN-100** layout navigator, paired with the cloud-based Magnet field software, and the



**Hiper V GNSS** receiver which went hand-in-hand with Topcon's line of compact touch-screen field controllers. [www.topconpositioning.co.uk](http://www.topconpositioning.co.uk)

## YOTTA ADDS INTERNATIONAL DIMENSION WITH THE INTRODUCTION OF HORIZONS 2.7

Highways and infrastructure technology company, Yotta has unveiled the latest version of its visualised asset management platform, Horizons. With the growing international momentum Version 2.7 follows up on the international launch last year by making Dutch and Spanish language versions of the software available for the first time. The Dutch version helps its partner, Wegdekmeten, grow further in the Dutch market. The introduction of the Spanish version reflects a growing focus on Spain as well as the growing demand across the broader North and South American regions, where Spanish is widely spoken. In addition, the latest version of Horizons now offers full currency support. Yotta has also made several additional enhancements to the new version to enhance its usability across multiple geographies and to deepen its analytical functionality, which enables asset managers to take account of recently completed work when running predictive, forward-looking analysis. [www.yotta.co.uk](http://www.yotta.co.uk)

## ESRI COLLABORATES WITH MICROSOFT TO INCORPORATE LOCATION SERVICES AND SPATIAL ANALYTICS

The **Internet of Things** (IoT) inspires new ways of thinking about how we work with and share information. And now enterprises are getting ready to intelligently consume IoT's large data streams in real time. To help with this, **Esri Inc.** is working with **Microsoft Corporation** to integrate location services and spatial analytics to the **Microsoft Azure IoT Suite**. Smart city concepts and innovations in the automotive industry are examples of how data from many sources increases understanding. Governments and businesses use that data to improve safety features, reduce air pollution, and mitigate traffic congestion. The Esri and Microsoft collaboration will rapidly enable IoT scenarios by offering customers and partners a set of highly capable platform services as ready-to-use, preconfigured solutions. This forthcoming integrated offering is the next step in Microsoft's and Esri's long-standing alliance to spatially enable the enterprise. [www.esri.com](http://www.esri.com) [www.microsoft.com](http://www.microsoft.com)



## LEBANESE RED CROSS SELECTS GLOBALSTAR SPOT GEN3 TO ENHANCE SAFETY OF VOLUNTEERS

Globalstar Europe announced that the Lebanese Red Cross is deploying 125 handheld SPOT Gen3 safety devices to enhance the safety of its workers by tracking their location as they respond to critical emergencies. In such situations, volunteers and SAR teams can simply press an SOS button to send their coordinates over the Globalstar satellite network. The SPOT Gen3 is a rugged, easy-to-use handheld device that uses the Globalstar next generation LEO satellite network ensuring communications even in areas where there is no mobile phone signal. Each SPOT can be quickly set up to automatically report the user's location at regular intervals using a 'check-in' button, which sends a prepared message to Lebanese Red Cross headquarters indicating that all is OK. The SPOT app can also be installed on smartphones and tablets to read messages and see where each volunteer is located using Google Maps. [www.globalstar.com](http://www.globalstar.com)

## CODEWISE DEPLOYS DIGITAL ELEMENT'S IP GEOLOCATION TECHNOLOGY

European digital marketing expert, Codewise, has implemented NetAcuity Edge™, Digital Element's hyperlocal technology to improve the accuracy of traffic delivery, tracking, and analytics. The deployment of Digital Element's IP geolocation solution will enhance the capabilities of two Codewise flagship products: Zeropark and Voluum. Zeropark, an ad exchange, will use Digital Element's technology to determine the consumer's location, carrier type, connection speed, and proxy, empowering their clients to purchase inventory that more accurately targets their key audiences. Additionally, the technology will enhance analytics platform, Voluum - which already uses Digital Element's solutions to ascertain mobile carrier and connection type - to provide improved granular insight into ad campaign success, by adding location and ISP data to real-time advertising performance analysis. Digital Element has pioneered IP geolocation technology since it was established in 1999, and NetAcuity Edge(TM) has brought new accuracy to the IP geolocation industry. [www.digitalelement.com](http://www.digitalelement.com)



## A3 EDGE DIGITAL MAPPING SYSTEM MAPS WILDLIFE IN AFRICA

VisionMap announced that its A3 Edge Digital Mapping System was recently used to map wildlife in an African national park. A3 Edge provides an efficient solution for detecting, tracking and estimating wildlife populations. The A3 Edge camera surveyed the park from an altitude of 4,000 ft. AGL, capturing 3.5 cm resolution imagery at a rate of 225 km<sup>2</sup>/hour. A3 Edge utilizes a unique "sweep" capture technology that provides quick, high resolution coverage of vast areas.

Among the animals identified in the images were antelopes, elephants, hippopotamuses and giraffes. VisionMap's LightSpeed processing system automatically processes VisionMap images, producing AT, orthophoto, DSM, 3D models, and geo-referenced vertical and oblique images. The system's fast turnaround time makes it possible to regularly survey the area, and collect useful information about the animals' behaviors and trends. [www.visionmap.com](http://www.visionmap.com)

## DIGITALGLOBE EXPANDS PARTNERSHIP WITH MAPBOX

DigitalGlobe, Inc. has announced an expanded partnership agreement with Mapbox that will make 30 cm imagery basemaps of hundreds of cities and areas of interest around the world available to users of the Mapbox platform. Mapbox is the first commercial mapping platform to purchase 30 cm WorldView-3 imagery available with DigitalGlobe's Basemap +Metro product, and the new content will begin flowing into the Mapbox platform in the months ahead. Basemap

+Metro provides easy access to up-to-date, high-resolution imagery of thousands of major metropolitan areas globally. Nearly 300 of these cities now feature 30 cm satellite imagery, the sharpest and most detailed satellite imagery available on the commercial market. Regularly refreshed imagery is mosaicked together to provide a consistent view of the urban landscape and the result is a virtually seamless, highly accurate view of each metro area. [www.digitalglobe.com](http://www.digitalglobe.com) [www.mapbox.com](http://www.mapbox.com)



## IMAO, ULTRALIGHT: THE FUTURE OF POWERLINES ACQUISITION



This year **IMAO** performed its first flights with an **Ultra Light Savannah ST**, for **Lidar** and photo acquisitions on the South West of France for **OMEXOM** (Vinci Energies Group). This first project combining ultralight and the powerlines field has been a great success. It bodes beautiful future acquisitions in this speciality. IMAO flew this summer 300 km sections of high voltage lines for OMEXOM, in different French regions like Limousin, Midi

Pyrénées, Languedoc and Aquitaine. This Lidar acquisition reaches ultra high density about 50 pts/m<sup>2</sup> and will be useful for the inventory of the infrastructure and its maintenance. This data collection appears as a very competitive alternative to the helicopter. Ultralight shows its potential in this type of corridor project flying at low speed like with the electrical network, can now capture roads, highways, railways, and more. [www.imao-fr.com](http://www.imao-fr.com)

## MERRICK AWARDED CONTRACT WITH MUNICIPALITY OF ANCHORAGE

**Merrick Alaska** was recently awarded a contract to provide aerial photography and **Light Detection and Ranging (LiDAR)** services for the **Municipality of Anchorage**. This data will address important management issues for Alaska's largest city. The Municipality plans to make use of the LiDAR data and aerial photography in many ways, including use by the Fire Department to assess wildland fire risk; mapping; building structures for property appraisal; land use mapping for the Planning Department; watershed management; and in engineering and surveying at the Anchorage Water and Wastewater Utility and Public Works Department. The United States Geological Survey (USGS) awarded the Municipality a 50% matching grant as part of the national 3D Elevation Program initiative in order to complete the acquisition. Merrick will also work closely with the Municipality's survey department to establish a survey control network for the entire area that can be used for future mapping efforts. [www.merrick.com](http://www.merrick.com)

## Notice Board™

A web mapping application which brings mobile-friendly smart searching to community websites.



What day should we put our green recycling bin out?

Find a vet for Patch

Find out more: [cdcp.io/nbd/](http://cdcp.io/nbd/)

Who's our local councillor?

Jack's football Sunday 9.30am - Black Park

Where is it?

Call Highways - yet more potholes!!! ☹️

Where can we recycle our old fridge?



## NEW CLIENTS SIGN UP FOR MINE PLANNING SOFTWARE

Hexagon Mining's busy London office is set to become even busier after winning contracts with three European customers. Turkish companies **Alacer Gold** and **Polimetal Mining**, and **Ellatzite Med** of Bulgaria, are now using **Hexagon Mining's MineSight** software for their mine planning needs. All three cited proven technology and customer service as reasons for choosing Hexagon Mining. "Hexagon Mining's strong planning tools and very flexible **MineSight Implicit Modeler** stood out to us so much that we selected them as our chosen software provider," said **Polimetal Mining's Chief Planning Engineer, Baris Cakir** in Ankara, Turkey. "Their customer service made us feel like we were already one of their closest, long-term clients, which is important to us as our business thrives on trust." Hexagon Mining's influence in Europe, especially Turkey, continues to grow, and not just in the country's mines. [www.hexagonmining.com](http://www.hexagonmining.com)

## GREENROAD RELEASES THE NEXT GENERATION OF ITS MOBILE APPLICATION

**GreenRoad** is proud to announce the next generation release of its **GreenRoad Mobile** solution. Consistent with its commitment to serving fleets and mobile workforce organisations worldwide through driver behaviour based technology, services and expertise, GreenRoad is equipping organisations with a mobile solution that addresses real-time driver behaviour and coaching, vehicle tracking, vehicle maintenance, hours of service and fuel usage optimisation. GreenRoad Mobile is changing the way safety and fleet managers drive positive, sustainable change in their organisations. GreenRoad Mobile combines a flexible platform that allows customers to access core driver behaviour analytics with GreenRoad's performance management experts who have extensive driver safety and fleet management experience. "After listening to our customers and performing extensive market research, GreenRoad is confident our mobile platform will enable fleet and safety managers to proactively mitigate risks throughout their mobile workforce and fleet operations," says **Zeev Braude, chief executive officer of GreenRoad**. [www.greenroad.com](http://www.greenroad.com)



## AIRBUS DEFENCE AND SPACE SIGNS CONTRACT WITH ESA FOR C/D PHASE OF NEOSAT PROGRAMME

Through a contract signed with the **European Space Agency (ESA)**, **Airbus Defence and Space** continues to develop **Eurostar Neo**, its new generation of platforms for geostationary telecommunication satellites. Under phase **C/D of the NEOSAT** programme, this contract will lead to the development of the complete Eurostar Neo product line. The NEOSAT programme was initiated by **ESA** and the French space agency **CNES** through the Investments for the Future Programme (PIA)

and continues today, with very strong support from the UK Space Agency and participation from 16 other ESA member states. The NEOSAT programme aims to support Airbus Defence and Space in providing a commercially attractive platform in the mid-range and high-end telecommunication satellite segments. Airbus Defence and Space will draw on an extensive network of industrial partners from across Europe to develop and provide this product line. [www.airbusdefenceandspace.com](http://www.airbusdefenceandspace.com)

## PIXALYTICS PUBLISHES ITS FIRST BOOK 'PRACTICAL HANDBOOK OF REMOTE SENSING'

The Practical Handbook of Remote Sensing provides a beginners guide to the world of satellite data, and was written by **Dr Samantha Lavender** and **Andrew Lavender** from **Pixalytics Ltd**. It combines Samantha's 20 years of remote sensing experience, with Andrew's non-expert perspective as he navigates the subject for the first time. The book is general how-to guide for anyone wanting to use remote sensing, and quickly guides inexperienced individuals through

the principles and science, allowing them to undertake remote sensing at home with just a computer and free-to-access desktop software. The book is very practical with example exercises that walk readers through the process of finding, downloading, analyzing, and viewing environmental data. In addition, there are further exercises and a complementary website to support readers. The Practical Handbook of Remote Sensing is published by **CRC Press**. [www.pixalytics.com](http://www.pixalytics.com)

## ECOMETRICA GETS \$1M FROM GEF TO CONSERVE MEXICO BIODIVERSITY HOTSPOT

An international project lead by sustainability software and data firm **Ecometrica** and funded by the **UK Space Agency's International Partnership Space Programme (IPSP)** has helped local organisations in Mexico secure funding of over \$1 million from the **Global Environment Facility (GEF)** to support conservation of the **El Ocote Biosphere Reserve**, an internationally recognised

biodiversity hotspot in the state of Chiapas. The **IPSP** project is providing new satellite data and mapping technology to local organisations to assist in the monitoring of land use change, fires and forest health. Satellite derived information will be analysed and delivered to local organisations via a network of regional **Earth Observation (EO)** labs, built on Ecometrica's cloud-based technology. [www.ecometrica.com](http://www.ecometrica.com)