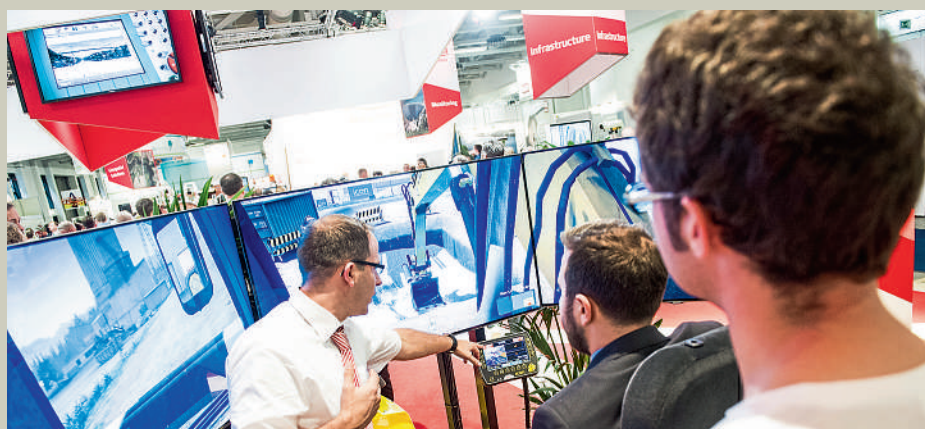


# INTERGEO 2017 UPDATE

## IT'S TIME TO GRASP THE FUTURE!

FOR USERS AND EXPERTS ALIKE, ATTENDING INTERGEO IS AN ABSOLUTE 'MUST'. AS DANIEL KATZER REPORTS, THE SOLUTIONS TO BE SHOWCASED AT THE LEADING INTERNATIONAL TRADE FAIR FOR GEODESY, GEOINFORMATION AND LAND MANAGEMENT WILL ALMOST CERTAINLY SHAPE THE FUTURE!

HINTE Messe- und Ausstellungs-GmbH / INTERGEO



The fusion of technologies and techniques to be encountered at INTERGEO will signpost the future for many in the public, private and consumer sectors

"The industry showcases everything from conventional surveying to the entire process chain all the way to visualisation, and software solutions that are also integrated into other industries," says Professor Hansjörg Kutterer, President of INTERGEO's patron, the DVW.

This year, INTERGEO is once again offering tangible trends and live solutions. For three days, everything in the trade fair halls, the conference, and the forum areas in the InteraerialSOLUTIONS and SmartCitySOLUTIONS themed platforms will revolve around international communication relating to the wide world of geo-IT solutions. Industry, science, associations – all the big names are there, and with their high-tech portfolio, they make INTERGEO the world's leading trade fair for geodesy, geoinformation and land management.

### Geo-IT will transform industry

What can you expect? In short, a whole universe of geo-IT trends. Experts will be on hand to provide information about trends and solutions relating to "Big Data", "smart data" and the personalised version, "personal data". Augmented and Virtual Reality are also starting to weave their way into the process chain. "I

would go so far as to say that the results will bring many sectors forward in totally new ways," says Kutterer.

In the German Cartography Conference, smart cartography will showcase the interlinking of surveying, photogrammetry and cartography. Areas of application for the European COPERNICUS satellite programme will also be highlighted as they now go far beyond environmental data to act as a valuable political stimulus within the EU.

The last few years have also seen InteraerialSOLUTIONS – an integral part of INTERGEO – develop into the largest drone trade fair in Europe. "And we've only just started," says Christoph Hinte, CEO of organiser Hinte GmbH. Other hot topics include "smart cities" or the "digital city", and building information modelling (BIM), all of which will have a lasting impact on the construction and geo-IT sectors in the next few years.

### Considering a career in geo-IT?

With its comprehensive approach to showcasing such future-looking topics, INTERGEO has also evolved into a lively platform for careers and recruiting. "Many employers with a local or global presence

meet prospective employees during these three days," says Hinte. With the constant internationalisation of markets, INTERGEO's global profile is also increasing. "That doesn't mean we will forget our roots," adds Hinte, "because the main base continues to be in Germany, Austria and Switzerland, even though growth is strongly influenced by international factors."

Above all else, visitors from Germany and beyond are drawn to INTERGEO by its wealth of content. The conference continues to provide long-term stimuli, and information formats such as forums appeal to new audiences. The reputation of the event is also boosted by year-round multi-media offerings such as INTERGEO TV. The icing on the cake of this year's content is having the German capital of Berlin as its venue.

***There is a lot to look forward to in the three days of the INTERGEO 2017 trade fair and conference from 26 to 28 September 2017 in Berlin. For more information, logon to [www.intergeo.de](http://www.intergeo.de)***



Berlin's main conference and exhibition centre is set to welcome more than 17,000 visitors from 107 different countries over three days in September



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# MINE EYES HAVE SEEN THE GLORY

YOU'VE GOT YOUR UAV. YOU'RE READY TO FLY MISSIONS. BUT HOW DO YOU OBTAIN GOOD DATA AND PRODUCE GOOD OUTPUTS? LEWIS GRAHAM LOOKS AT BEST PRACTICE IN PRODUCING UAV MAPPING PRODUCTS

In previous editions of this series, I have discussed how to construct the hardware necessary to perform high-accuracy UAV mapping, as well as considerations regarding tying to a geodetic network. In this article, we'll have a look at the workflows and tools necessary to extract products from UAV data – after all, for a services business, it is the mapping product, not the method of collecting data, that is of interest to the client. I cannot overemphasise the importance of acquiring good data to

begin with. I strongly recommend that you prepare two tailored, written checklists for each project that you undertake. The first should be directed at flight operations; the second should be focused on the project control, data collection and processing strategies. It is good practice to plan control and check points (discussed in a previous part of this series) before arriving on-site. If you program these into a handheld GNSS receiver, you can simply use its 'move to waypoint' function to set control. I find it