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INTERGEO®

POST SHOW REPORT 2025

Host: DVW e.V.
Conference organiser: DVW GmbH
Expo organiser: HINTE Expo & Conference GmbH

WWW.INTERGEO.DE

01.

FACTS & FIGURES

GET INSIGHTS INTO THE GEO-IT EVENT OF THE YEAR

THE WORLD´S NO.1 EVENT OF THE GEOSPATIAL COMMUNITY

18,678
VISITORS
FROM 119 COUNTRIES

530
EXHIBITORS
FROM 40 COUNTRIES

2 STAGE

1 IN-CONFERENCE
UNMANNED SYSTEMS

1,200
FROM 52 COUNTRIES

300+
SPEAKERS IN CONFERENCE & STAGES

3
INTERNATIONAL
KEYNOTE SPEAKERS

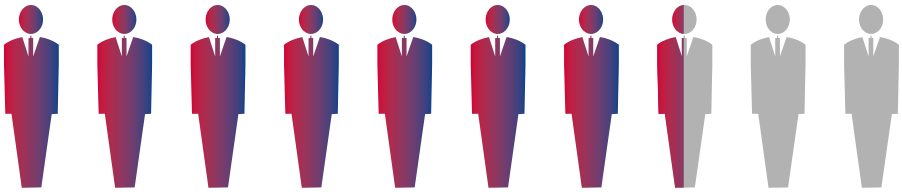
„IF YOU'RE LOOKING FOR SOMETHING REALLY COOL TO DO IN YOUR CAREER AND YOU ARE NOT QUITE SURE WHAT YOU WANT TO DO, THERE IS SO MUCH COOL STUFF HERE, SO MANY SPARKLY OBJECTS, SO MANY WAYS TO GET DISTRACTED AND GET EXCITED ABOUT WHAT'S HAPPENING HERE.(...) COME HERE. YOU'LL FIND IT. I CAN PRETTY MUCH PROMISE YOU THAT."
Pete Kelsey

PURCHASING AUTHORITY

92 %

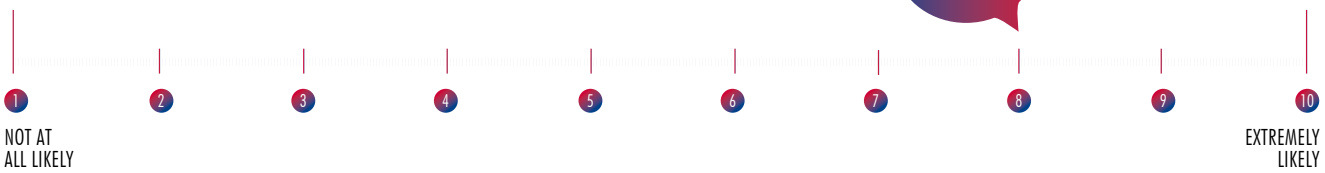
ARE SATISFIED WITH THIS YEAR'S VISIT

74.8%



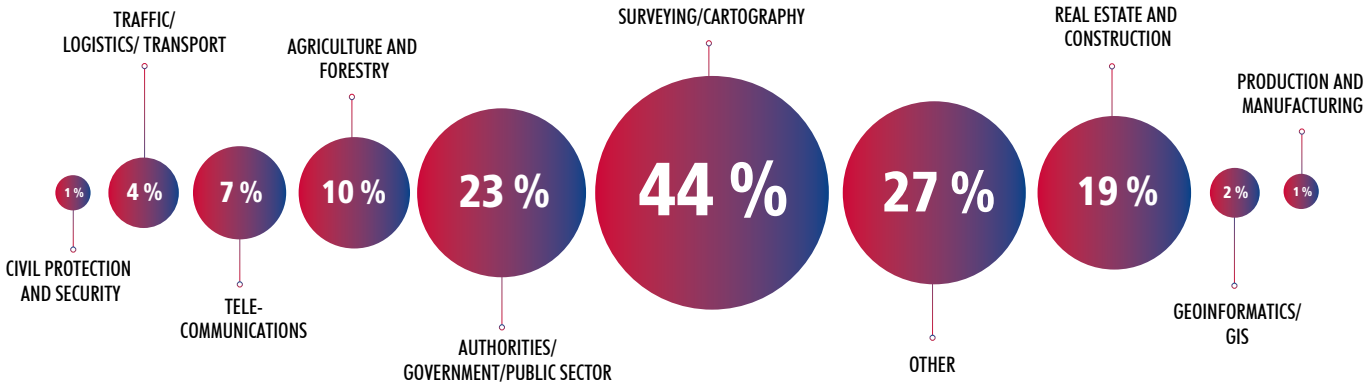
… OF TRADE FAIR VISITORS ARE DECISION-MAKERS.

NET PROMOTER SCORE



WOULD YOU RECOMMEND INTERGEO TO A FRIEND OR COLLEAGUE?

WORKING AREAS



TOPICS WITH HIGHEST RATE OF INNOVATION

Unmanned Systems 52%

REMOTE SENSING & PHOTOGRAMMETRY 50%

Positioning, Navigation & GNSS 41%

Earth Observation & Environmental Monitoring 15%

3D Modelling & Digital City Models 2%

SURVEYING & GEODESY 75%

LiDAR, RADAR & LASER SCANNING 51%

Software, Data & Digitalisation 45%

BIM & DIGITAL CONSTRUCTION 38 %

GIS & Geoinformation Systems 35%

Smart Cities & Urban Applications 26%

HYDROGRAPHY & MARITIME SOLUTIONS 11%

02.

TRENDS AT INTERGEO

DISCOVER THE TRENDS FROM INTERGEO 2024

FROM SENSOR FUSION TO GAUSSIAN SPLATTING TREND ANALYSIS FOR INTERGEO 2025

By students and scientific staff from the Chair of Geoinformatics at the Technical University of Munich

FOREWORD

From October 7 to 9, 2025, INTERGEO EXPO and CONFERENCE 2025 took place in Frankfurt am Main. Among the 530 exhibitors and approximately 18,500 visitors from 119 countries, the association Runder Tisch GIS e.V. once again participated with its trend analysis team composed of students and academic staff from the Technical University of Munich (TUM). Prior to the event, relevant thematic fields were identified through expert discussions as well as by reviewing the exhibitor directory and the conference program.

Based on personal impressions and interviews with exhibitors and visitors at the trade fair, as well as presentations on the Expo Stages and at the Congress, the following key topics emerged: geodetic surveying, BIM, smart cities and digital twins, 3D GIS, virtual 3D city models, 3D visualization and VR/AR, unmanned systems, earth observation and environmental monitoring, as well as open data, official geospatial base data, and geospatial data infrastructures.

Sensor and data fusion, as well as the increasing adoption of 3D gaussian splatting, were identified by the team—conducting the analysis for the 22nd consecutive year—as overarching trends across all thematic areas examined.

The TUM Trend Analysis Team 2025 on site in Frankfurt (from left to right: Jinyu Zhu, Alejandra Saraj Orozco Fuentes, Chenhao Huang, Selin Yeltekin, Huashu Zhan, Joseph Gitahi, Abdullah Saad, Thomas Fröch, Felix Olbrich, Prof. Thomas H. Kolbe)

1. GEODETIC SURVEYING

This year, a strong trend toward sensor and data fusion can be observed in the field of geodetic measurement technology. The combination of GNSS/RTK, LiDAR, and optical sensor systems into hybrid, often SLAM-capable platforms represents one of the key developments in the industry. Such platforms are able to simultaneously determine their own position and capture the surrounding environment using sensor data, particularly in GNSS-degraded or GNSS-denied environments. Owing in part to the diversity of available data sources, centimeter-level accuracies can be achieved even in areas with poor GNSS reception.

The trend toward integrating various AI applications represents a significant aspect of the development of the next generation of total stations. Key applications include AI-assisted target acquisition, AI-based recognition and identification of prism types, and automatic AI-based target tracking. To ensure robust target tracking even when the line of sight is interrupted, AI methods are used to predict the trajectory of the prism being tracked.

In the field of terrestrial laser scanning, as in previous years, primarily incremental improvements to existing products can be observed. Noteworthy is the specialization of certain systems for particularly challenging environmental conditions, such as those encountered in icy and snow-covered environments. This adaptation is achieved, for example, through the use of specific wavelengths that are uncommon in conventional systems (e.g., 1064 nm). Ranges of up to 6,000 m are achieved, with an accuracy of 100 mm at a distance of 100 m.

Another emerging trend is the integration of 3D Gaussian Splatting (3DGS) into SLAM systems in the lower to mid-price segments. This technology enables highly realistic visualization with an exceptionally high level of visual detail compared to traditional meshes, while maintaining high geometric accuracy. To enable 3DGS, existing handheld solutions are often extended with additional optical panoramic cameras, as illustrated in Figure 2. The already integrated cameras continue to primarily serve the purpose of enriching point clouds with RGB information. Overall, the range of handheld mobile mapping sensors in the lower to mid-price segments has expanded significantly compared to previous years.

Sensor fusion in a handheld, SLAM-capable mobile mapping system: FJD Trion

With video-based visual SLAM, a new field has emerged this year. The system shown in Figure 3 achieves point cloud accuracies of 3 mm at a distance of 1 m and 2 cm at a distance of 20 m, and is able to maintain an accuracy of approximately 7 mm in tunnel environments without loop closure.

With regard to GNSS/RTK services, the trend is toward an increased offering of Network Real-Time Kinematic (NRTK) services. The primary advantage of NRTK lies in its high positioning accuracy and efficiency. Typically, initialization takes around 3 seconds, achieving accuracies of approximately 2 cm horizontally and 4 cm vertically. Since the provision

and maintenance of a dense network of reference stations in the respective area is a fundamental prerequisite for such services and is associated with significant financial investment, the number of providers has historically been limited. However, particularly in Europe and the United States, several providers have increasingly expanded their networks.

The future of GNSS applications is often envisioned in AI-supported PPP agents. Intelligent, mass-market-oriented combined services are expected to operate almost invisibly for users, leveraging a greater number of signals and frequencies and enabling seamless integration with other systems through sensor fusion approaches.

Video-based visual SLAM system: 2freedom 2fSlam

2. BUILDING INFORMATION MODELING (BIM)

In recent years, building information modeling (BIM) has been one of the most important topics in the digitalization of the built environment. This year, discussions increasingly focused on the integration of BIM and GIS, as well as on linking BIM with the entire lifecycle of buildings and infrastructure, including areas such as cost planning (tendering, awarding, and billing - commonly referred to as AVA), IoT integration, survey-to-BIM, and scan-to-BIM.

A frequently demonstrated application of BIM–GIS integration is the linking of BIM and GIS data for joint visualization within a viewer. In this linking approach, no fundamental transformation or conversion of the data into a shared data model takes place. Instead, the viewer primarily needs to be capable of visualizing the geometries and semantics of both standards. Editing of BIM data is generally carried out using conventional CAD/BIM software. Consequently, extensive modeling and editing functionalities for BIM models are not provided within GIS environments but rather through BIM authoring software. Some applications support the modification of attributes. In addition, combined visualizations of IFC, CityGML, XPlanung, point clouds, meshes, and other data formats are supported. All surveyed vendors support, in addition to partially proprietary formats, the open IFC standard for BIM data. Alongside the latest version, IFC 4.3, which was released in April of last year, work is currently underway on IFC 4.4 as well as IFC 5. In addition to BIM formats, open GIS standards such as the Open Geospatial Consortium (OGC) standard CityGML or OGC services like WMS, WFS, and others are often supported.

Today, the majority of vendors tend toward developing integrated digital platforms. This is particularly evident in the field of BIM for infrastructure, where new solutions increasingly integrate point cloud data, digital terrain models, and other datasets to enable collaborative planning, execution, and handover. At the same time, the trend toward web-based platforms has become firmly established, offering users easier access, real-time interaction, and collaborative capabilities without requiring high-performance local hardware.

Artificial intelligence is also being applied in BIM workflows. In scan-to-BIM implementations, improved models for the segmentation and classification of point clouds are used. Currently, comparisons between planned designs (as-planned) and the current state (as-built) remain a central focus. The application of AI methods is intended to address these challenges by, for example, automatically removing irrelevant elements from indoor point clouds in order to retain only building-relevant points for subsequent processing and analysis steps. However, the detailed derivation of 3D geometries with associated semantic information continues to represent a significant challenge. At present, no substantial or transformative breakthrough across the entire scan-to-BIM process is evident. This also applies to the use of AI assistants, which remain a marginal phenomenon, although some vendors recognize their potential for simplifying the discovery of appropriate tools or providing user-tailored information from documentation.

3. SMART CITIES AND DIGITAL TWINS

The landscape of smart cities and urban digital twins has grown significantly over the years. Digital twin platforms have evolved into operational, data-rich, and AI-optimized systems actively used by cities, municipalities, and infrastructure operators. INTERGEO 2025 demonstrated advances in unified data ecosystems, high-precision reality capture, and practical urban applications.

Technologies for capturing the built environment continue to evolve, enabling accurate representations of both indoor and outdoor environments. Indoor point cloud scans are integrated with street-level and aerial point clouds either through control point alignment or cloud-to-cloud registration. SLAM-based systems ensure reliable accuracy in complex indoor environments, while cloud platforms enable semantic enrichment during post-processing. However, the native and complete export of semantic formats such as IFC and OGC CityGML remains limited, highlighting that achieving semantic interoperability (and thus avoiding vendor lock-in) continues to be a major challenge for the industry. The management of high-resolution scans, including those of building interiors and sensitive infrastructure, raises significant concerns regarding privacy and security. Municipalities are calling for stronger data governance frameworks to ensure the protection of sensitive information. Currently, no unified industry standards exist for this topic.

Data integration and improved compatibility between different spatial datasets, which are essential for the development of urban digital twins, continue to gain importance. GIS platforms are increasingly capable of processing a wide range of heterogeneous datasets, including 3D surface meshes ("reality meshes"), point clouds, as well as BIM and semantic 3D city models. Information-rich formats such as OGC CityGML for semantic 3D city modeling and IFC for BIM are increasingly supported by GIS desktop applications. Such platforms can directly interpret complex object hierarchies and attributes, thereby helping to minimize semantic loss. Although most digital twin platforms currently offer capabilities for representing and visualizing IoT data, full integration with other spatial datasets such as 3D city models remains a challenge. In addition, the deployment and management of IoT sensors are largely handled by external providers, which limits integration and the ability of these platforms to deliver comprehensive end-to-end solutions.

As user expectations rise for urban digital twins to be both functional and visually immersive, visualization methods continue to evolve. The growing adoption of visualization and streaming standards, along with the introduction of new technologies, has significantly driven this development. Currently, web-based platforms are typically used for visualization, with quality and performance dynamically balanced. Lightweight meshes and standardized streaming formats such as OGC 3D Tiles or OGC I3S are used to efficiently render urban environments. Platforms that prioritize immersive visualization, as exemplified in Figure 4, often rely on established game engines such as Unreal Engine or Unity to achieve realistic representations of city models. Furthermore, the emergence of 3D Gaussian Splatting enables more realistic visualization of urban 3D scenes with greater levels of detail.

Interactive visualization of urban digital twins using a game engine

The use of AI within urban platforms has increased and enables applications such as natural language data queries and automated reporting. Existing data from already established digital twins can be directly leveraged for this purpose. By lowering technical barriers, AI facilitates interaction with complex geospatial data for non-expert staff and users, thereby contributing to increased efficiency in administrative processes. Platforms are increasingly integrating intelligent advisory and decision-support functions into business workflows. One example is AI-driven fault detection in pipelines and other networks. The results of such inspections are directly used in rehabilitation planning, cost estimation, and strategic asset management.

4. 3D GIS, VIRTUAL 3D CITY MODELS, 3D VISUALIZATION, VR/AR

Most providers of 3D modeling solutions now offer comprehensive processing pipelines. Users can either purchase hardware to process data locally, upload their datasets to web-based cloud platforms for automated model generation, or delegate the entire workflow—from data acquisition to final model production—to the service provider. Some vendors are also investing in real-time reconstruction, performing 3D modeling simultaneously with data capture. With the currently achieved accuracy of approximately 10 centimeters, such services are already highly valuable for rapid 3D scene reconstruction, particularly in the context of emergency response operations.

A notable trend is the differentiation between companies that specialize in data acquisition (such as laser scanning, LiDAR, and photogrammetry) and those that focus on modeling, visualization, and analysis. While data acquisition providers are pushing the limits of mobility and precision through advanced sensor technologies, modeling platforms are increasingly integrating automated data processing, semantic enrichment, and visualization capabilities. The combination of data acquisition and modeling enables a rapid transition from raw point clouds to 3D city models, thereby bridging the gap between field data and digital twin applications. As automation in 3D modeling increases, the importance of accuracy validation and workflow integration also grows. Many solutions now focus on aligning BIM models with point cloud scans to ensure geometric precision and consistency across multiple data sources.

While most current products and services in the field of 3D modeling support formats such as IFC for BIM workflows, compatibility with standards for semantic 3D city modeling, such as CityGML, remains limited. This highlights a major interoperability challenge for the industry: ensuring that data captured and modeled across different systems can be seamlessly integrated into shared platforms and environments. Support for CityGML 3.0 is still in its early stages, while companies continue to focus on proprietary data formats or prioritize BIM-centric solutions.

One of the most prominent current trends in 3D reconstruction and visualization is the use of 3D gaussian splatting (3DGS) technology. Following significant advances in research, this technology has matured to a level where—largely due to its substantial practical benefits—it is increasingly being adopted in industrial applications. Several companies have implemented prototype 3DGS methods and workflows, demonstrated practical use cases, and announced plans to integrate this technology into future products and services. A key application area is the virtual inspection of infrastructure such as cable routes, bridges, or telecommunication towers. Nevertheless, the adoption of this technology faces several challenges, including the high hardware demands of real-time rendering, limited support from established 3D tools, and significant requirements for storage and data management.

Visualization of a telecommunication tower using Gaussian splatting (left) and a 3D surface mesh (right) (Bentley, 2025)

5. UNMANNED SYSTEMS

The use of unmanned systems is becoming increasingly important in national surveying. However, to date this does not yet represent standard practice, but is primarily limited to project-based applications. The scope and frequency of UAV deployment, as well as the degree of personnel involvement, vary significantly between the individual federal states. No clear correlation can be identified between the size of a federal state and the intensity of UAV usage. In some federal states, the surveying authorities currently do not yet operate their own UAV systems. At present, no state is considering a nationwide deployment of UAV systems. What all state authorities have in common, however, is that the UAV systems in use are predominantly equipped with optical cameras and are often employed for training purposes.

A major inhibiting factor for the broader use of unmanned systems in national surveying is the existence of legal barriers. In order to improve the legal and organizational framework for future UAV deployment, the Working Committee of the Surveying Authorities of the Federal States of the Federal Republic of Germany (AdV) recently established the UAV Project Group. This group is subordinate to the Working Group on the Cadastre (AK LK) and has been tasked with developing framework conditions for the use of UAV systems within the state offices for digitalization, broadband, and surveying over the next two years.

Currently, UAV systems at the state authorities are primarily used in the ATKIS domain. In contrast, their use in the ALKIS domain is not yet legally permitted. The UAV Project Group is therefore also tasked with establishing the legal foundations necessary to enable the future use of UAVs in the ALKIS domain.

On the product side, a variety of autonomous docking stations were presented at this year's trade fair, automating take-off, landing, battery charging, and data offloading. These systems are already being actively integrated into operational workflows, for example in inspection, security, and emergency management applications.

With regard to carrier platforms, electrically powered propulsion systems appear to have become the dominant choice for UAVs. Alternative technologies, such as internal combustion engines or hydrogen fuel cells, which were frequently showcased in previous years, were scarcely represented this year.

In this context, we would also like to draw attention to the guideline "UAS and GIS" published by Runder Tisch GIS e.V., which is currently being developed in cooperation with DVW and DGPF and is scheduled for release in spring 2026.

6. EARTH OBSERVATION AND ENVIRONMENTAL MONITORING

In public geoinformation administration, the use of earth observation data (EO data) has been steadily increasing. Typical applications include environmental monitoring as well as nature conservation and water protection. In addition to the assessment of vegetation cover and the analysis of algal blooms in public water bodies, EO data are also used, for example, to analyze heat stress in urban areas. Furthermore, radar interferometry methods are applied to analyze ground movements at the millimeter scale. As a result, EO data are now being used across the full spectrum of available sensor technologies.

Current topics of relevance for public geoinformation authorities include, alongside the growing importance of standards and norms, the efficient handling of the large volumes of data generated. In certain scenarios, for example, relevant satellite information may be acquired every six hours and must be processed and, where appropriate, stored. In addition, particularly with regard to the use of modern AI-based software solutions, issues of explainability and the associated legal accountability of publicly provided EO data products currently pose challenges for public administrations.

Innovative work is being carried out on the AI-based use of EO data to update the ATKIS Base Digital Landscape Model (ATKIS Base-DLM). The objective is to meet requirements for increased update frequencies despite limited financial resources and constrained personnel capacities. In this context, artificial intelligence is intended to complement and accelerate existing, already optimized workflows for maintaining the ATKIS Base-DLM—for example through the automated analysis of digital orthophotos and the automatic identification of forest transition areas.

Sensor fusion is also an important trend in the field of earth observation. This includes, for instance, the integration of different sensor technologies within a single platform. Modern EO sensors increasingly combine multiple measurement techniques, such as hyperspectral and thermal infrared sensors, within a common platform. An example of such a system is shown in Figure 6. Efficiency gains achieved through the collection of multiple data types within a single flight or orbit, as well as enhanced insights obtained through joint data analysis, are particularly relevant for applications in agriculture, forestry, and environmental monitoring.

Combination of multiple sensors within a single platform: ITRES SAVI-1000

7. OPEN DATA AND GEOSPATIAL DATA INFRASTRUCTURES

The Working Committee of the Surveying Authorities of the Federal States of the Federal Republic of Germany (AdV) recently announced the successful completion of the GNSS Campaign 2021. This represents an important milestone in the modernization of Germany's national geodetic reference framework. The nationwide GNSS campaign focused on high-precision measurements at 251 Geodetic Ground Points (GGPs) and 283 Reference Station Points (RSPs) and served the systematic re-surveying and updating of Germany's vertical and horizontal control networks. The campaign employed standardized antenna equipment, 24-hour continuous observations, and multi-GNSS data acquisition. Independent data processing by the State Office for Geoinformation and Surveying of Lower Saxony (LGLN) and the Federal Agency for Cartography and Geodesy (BKG) ensured a high level of consistency and reliability, achieving accuracies of 1 mm in horizontal position and 2 mm in ellipsoidal height for GGPs, and 5 mm and 8 mm respectively for RSPs. This not only updates the national geodetic reference system but also significantly improves the monitoring of its stability, enabling a more effective response to potential geological deformations. In addition, the integration of permanent RSP stations provides a robust foundation for the future maintenance and monitoring of the network and supports high-precision applications in engineering surveying, deformation monitoring, cartography, navigation, and geospatial data services. This transition represents a strategic shift from traditional leveling-based height networks toward a modern digital GNSS reference network, setting a new standard in Germany.

The BKG is currently pursuing a complete aerial survey of Germany as part of the Digital Twin of Germany initiative. The primary objective is the generation of 3D geospatial base data relevant to federal institutions. It is planned that a portion of these datasets—albeit not at full resolution—will be made available as open data. In addition to aerial surveying, the thematic expansion of points of interest (POIs), particularly in the area of ports (inland and seaports), is being further advanced.

Other geodata portals and open geodata offerings, including those provided by the federal states, continue to evolve steadily. This development includes new or improved web interfaces, enhanced filtering options, and the provision of new or updated datasets and services (e.g., higher-resolution aerial imagery, CIR aerial imagery, cadastral data, and avalanche cadastres). Since March, the vector maps of basemap.de have also been made available nationwide as web vector services based on a new data model.

8. ARTIFICIAL INTELLIGENCE AND GEOINFORMATION

In last year's trend analysis by Runder Tisch GIS e.V., artificial intelligence was identified as an overarching trend across all examined thematic areas. Accordingly, all participants involved in this year's trend analysis prepared to investigate applications and business models related to the latest developments in AI—particularly in the field of AI agents (agentic AI)—on site at the trade fair. In practice, however, a clear discrepancy became apparent between current research, in which agentic AI is presently regarded as a "hot topic," and the state of industrial adoption. At the trade fair, agentic AI played only a marginal role compared to more traditional AI applications, such as those used for object detection or classification. Apart from a few relatively simple chatbots, for example in the field of building information modeling, there were hardly any products or services on display or actively promoted that were based on AI agents. When asked, however, several well-known companies in the industry stated that they are currently investing significant resources in the development of new products and services that are expected to make extensive use of agentic AI in the future.

CONCLUSION

In summary, this year's INTERGEO was strongly shaped by the theme of sensor and data fusion. Across various domains—from geodetic measurement technology and unmanned systems to Earth observation—physical combinations of a wide variety of sensors within shared platforms could be observed across all price segments. The objectives can broadly be divided into two categories: on the one hand, increasing accuracy (for example through the integration of GNSS sensors), and on the other hand, improving knowledge generation through enhanced efficiency and/or the provision of new analytical results (e.g., the combination of different sensors in EO platforms or the integration of panoramic cameras for 3D Gaussian Splatting).

In the field of smart cities and digital twins, sensor and data fusion—here in the form of integrating heterogeneous data sources and the comprehensive incorporation of IoT sensors—also represents a key aspect of current developments.

3D Gaussian Splatting (3DGS) technology for highly realistic visualization is increasingly finding its way into industrial applications. While market readiness has often not yet been fully achieved, several providers have announced that they intend to bring corresponding products and services for a wide range of applications to market within the next two years.

AI-based applications for object detection and classification continue to be a relevant topic at the trade fair and are being successfully integrated into a wide variety of workflows. Solutions based on agentic AI, by contrast, are still scarcely represented, although AI agents currently constitute a major focus of product development for several companies.

Finally, the authors would like to thank all interview partners, as the analysis of trends would not have been possible without their expertise and professional knowledge. Special thanks are also due to Runder Tisch GIS e.V. and HINTE Expo & Conference GmbH for making the visit to the trade fair in Frankfurt possible.

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03.

MEDIA REACH

LET´S TAKE
A SELFIE!

MEDIA REACH
Period: JAN 2025 - DEC 2025

ONLINE MEDIA

314,318
READERS

759
RESULTS

40 GLOBAL MEDIA PARTNERS

SOCIAL MEDIA

30,600 K
IMPRESSIONS

13,015 K
PROFILE VIEWS

8,772 K
POST VIEWS

155 K
VIDEO VIEWS

FOLLOWER

13,500+
FOLLOWERS

11,000+
FOLLOWERS

11,500+
FOLLOWERS

1,196 K
FOLLOWERS/
FRIENDS HAVE BEEN REACHED

04.

INTERGEO TV

INTERNATIONAL NEWS CHANNEL OF THE GEOSPATIAL COMMUNITY

INTERGEO TV ON YOUTUBE

INTERGEO 2025 IMPRESSIONS DAY 3
https://www.youtube.com/watch?v=zp3anaoYQ3U

INTERGEO TV INTERVIEW WITH PETE KELSEY
https://www.youtube.com/watch?v=gOaS_8sneM4

INTERGEO NEWS
https://www.youtube.com/watch?v=C7RC_NsAO-I&list=PL0e-AVG85v049xs3mhmoTG0I0Q792wE086

1.314,700 hr
VIEWING HOURS

55,829
VIDEO VIEWS

333,548
IMPRESSIONS

FIND MORE INTERVIEWS, TALKS AND FURTHER INSIGHTS INTO THE GEOSPATIAL WORLD AT INTERGEO'S YOUTUBE CHANNEL ON:

https://www.youtube.com/playlist?list=PL0eAVG85v049x-s3mhmoTG0I0Q792wE086

05.

WE TOOK PART

AUSSTELLERB/EXHIBITORS	HALL	STAND
1		
12d UK Limited	12.1	1D091
2freedom Imaging Software and Hardware S.L.	12.0	0D138
3D Engineering	12.1	1A119
3D TARGET S.r.l.	12.1	1D001
3DBIM Solutions GmbH	12.1	1A037
3Dflow	12.1	1E105
3DMakerpro Limited	12.1	1F019
3Dsurvey	12.0	0C020
A		
ABG-SC	12.1	1D078
ACCA software S.p.A.	12.0	0C018
AdV	12.1	1E047
Advanced Aerial Mapping Services LTD.	12.0	0C021
AEROWEST GMBH	12.0	0F010
African Consulting Surveyors	12.1	1D078
AI-Infrasolutions	12.0	0C075
Airborne Technical Systems - ATS	12.0	0E031
Airbus	12.1	1B059
Airclip Service GmbH & Co. KG	12.1	1D119
AISPECO, UAB	12.0	0B058
AKG Software Consulting GmbH	12.0	0C040
Alberding GmbH	12.1	1E040
ALLSAT GmbH	12.1	1E101
AllTerra Deutschland West GmbH	12.0	0F021
ALPHA GEO	12.1	1D090
Alpha Surveying Technology Co., Ltd	12.0	0E015
Alto Drones GmbH	12.0	0C051
Amberg Infra 7D AG	12.1	1A043
Amuse Oneself Inc.	12.0	0F058
AndroTec GmbH	12.1	1B139
Apglos B.V.	12.0	0C129
APLITOP	12.1	1E071
Archizem LLC	12.0	0C137
aRES Datensysteme	12.1	1C101
Asseco BERIT GmbH	12.0	0E031
Autel Robotics Co., Ltd.	12.0	0C098
Autodesk GmbH	12.0	0E020
Auxalia GmbH	12.0	0E020
Axpo Grid AG	12.0	0A018
B		
Baral Geohaus-Consulting AG	12.0	0C002
Barthauer Software GmbH	12.1	1F001
Basetime BV	12.0	0A067
Beijing BDStar Navigation Co., Ltd.	12.0	0E060
Beijing Bofeihaiyun Instrument Co.,Ltd	12.0	0A026
Benaco Ltd.	12.0	0H121
Bentley Systems GmbH	12.0	0C078

AUSSTELLERB/EXHIBITORS	HALL	STAND
Bernhard Harzer Verlag GmbH	12.1	1D078
BIMm Services GmbH	12.1	1B049
Blue Marble Geographics	12.0	0F118
Bohnenstingl GmbH	12.1	1E118
Bricsys NV	12.1	1B060
BSF Swissphoto GmbH	12.0	0E031
buildingSMART Deutschland e.V.	12.1	1A021
Bund der Öffentlich bestellten Vermessungsinge-	12.1	1A021
Bundesamt für Kartographie und Geodäsie (BKG)	12.1	1E039
Bundesnachrichtendienst	12.1	1B118
Bundeswehr	12.0	0A101
Bynav Technology	12.0	0D101
C		
CADdy Geomatics GmbH	12.0	0C047
CADMAP - Consulting Ingenieurgesellschaft GmbH	12.1	1E050
Calian Group Ltd.	12.0	0G017
CAMPUS GEOINNOVATION	12.1	1G019
Carlson Software Inc	12.0	0E131
CHC Navigation | CHCNAV	12.0	0C081
Cintoo SAS	12.1	1E110
CIOCoverage	12.1	1D078
CiS GmbH	12.0	0E031
CISS TDI GmbH	12.0	0C029
Civ Robotics Inc.	12.1	1A049
CIXI Shen Wei Machinery Co., Ltd	12.1	1G018
ClearEdge3D, Inc.	12.1	1A001
CLGE	12.1	1A021
Cloud NYNE GmbH	12.0	0A030
Codevintec Italiana srl	12.0	0F098
Commander Group Ltd.	12.1	1E011
ComNav Technology Ltd.	12.1	1B081
Contelos	12.0	0E020
con terra GmbH	12.0	0C008
constellr GmbH	12.1	1B041
CopterTec	12.0	0G001
Cremer Programmentwicklung GmbH	12.1	1B082
Cyclomedia Technology B.V.	12.1	1C111
CYDIS SARL	12.0	0G121
D		
DASPATIAL TECHNOLOGY CO.,LTD - Get3D.ai	12.0	0H100
DAT/EM Systems Europe GmbH	12.0	0F010
DAT/EM Systems International	12.0	0F010
DataDEV d.o.o	12.0	0E075
DataLabs, Inc.	12.0	0H105
DB Engineering & Consulting GmbH	12.1	1E020
Deepmoo Pte. Ltd	12.1	1C120
DeltaIoT B.V.	12.1	1A009
DesignSense Software Technologies	12.1	1A019

AUSSTELLERB/EXHIBITORS	HALL	STAND
Deutsche Gesellschaft für Kartographie e. V. (DGFK	12.1	1A021
Deutsche Gesellschaft für Photogrammetrie,	12.1	1A021
Deutsche Hydrographische Gesellschaft e.V.	12.1	1A021
Deutsche InfraSoft GmbH	12.1	1E030
Deutsche Telekom Business Solutions GmbH	12.1	1B041
Deutscher Christlicher Techniker-Bund e.V.	12.1	1A020
Deutscher Dachverband für Geoinformation(DDGI)	12.0	0C029
Deutscher Markscheider-Verein e.V.	12.1	1A021
Deutsches Zentrum für Luft- und Raumfahrt e.V.	12.1	1C049
Diamond Aircraft Industries GmbH	12.0	0C050
Die Autobahn GmbH, des Bundes	12.1	1E017
DIELMO 3D S.L	12.0	0A020
Diversified Communications US	12.1	1C135
DJI GmbH	12.0	0G010
DMT GmbH & Co. KG	12.1	1C011
DroMii Co., Ltd.	12.1	1A110
DroneDeploy	12.1	1A045
dronelife	12.1	1D078
Dronivo GmbH	12.0	0E081
DTMAPPING	12.1	1D079
DVW e.V. - Gesellschaft für Geodäsie,	12.1	1B018
E		
e-Cassini	12.1	1D008
Echo Blue Limited Trading	12.1	1D078
EFTAS Fernerkundung Technologietransfer GmbH	12.0	0C029
ekom21 - KGRZ Hessen	12.1	1C121
Emesent Pty Ltd.	12.1	1E057
Emlid Tech Kft	12.0	0E040
ENQT GmbH	12.1	1A037
Eos Positioning Systems Inc.	12.0	0D001
EPiC LiDAR Tech Co., Ltd	12.0	0C061
EPS Works SL	12.1	1E038
ESN EnergieSystemeNord GmbH	12.0	0E110
Esri Inc.	12.0	0C007
European Space Agency (ESA)	12.1	1C049
European Space Imaging GmbH	12.1	1B041
EvoLogics GmbH	12.1	1C040
F		
F.W. Breithaupt & Sohn GmbH	12.1	1B086
FARO Europe GmbH	12.0	0E030
Feima Robotics Co., Ltd.	12.0	0E139
Fixposition AG	12.1	1D056
FJDynamics International Ltd.	12.0	0E128
FLAI	12.0	0H078
FlyPix AI GmbH	12.0	0D130
flyXdrive GmbH	12.1	1A037
FMI - Feyman Technology	12.1	1A047
Förderkreis Vermessungstechnisches Museum e.V.	12.1	1A021
Forest IT Design Sweden AB	12.0	0B010
FPM Holding GmbH	12.0	0E124
Frankfurt University of Applied Sciences	12.0	1A014
Fraunhofer Institute for Physical Measurement	12.0	0H102
Fraunhofer-Institut für Optronik, Systemtechnik un	12.0	0H098
FROX GmbH	12.1	1B074
Fukuda Laser Precision Instrument Co.,Ltd	12.1	1G002
Fullymax Battery Co.,Ltd	12.0	0A118
G		
G & W Software AG	12.1	1C101
GAF AG	12.1	1B041
GDU-Tech Co. Ltd.	12.0	0C111
GE Vernova	12.0	0E110
General Laser GmbH	12.0	0G061
Genspow GmbH	12.0	0B062
GEO++ GmbH	12.0	0F129
GEOALLEN CO., LTD.	12.0	0A009

AUSSTELLERB/EXHIBITORS	HALL	STAND
GeoAutomation	12.0	0A079
GEOBSYS SAS	12.0	0A036
GEOconnexion International	12.1	1C006
GEOCONSULT Deutschland GmbH	12.1	1E120
GEOconsulting GmbH	12.1	1D051
GeoCue	12.1	1G054
GEODATA ZT GmbH	12.1	1F099
Geodateninfrastruktur Deutschland (GDI-DE)	12.1	1E039
GEODNET	12.0	0B051
GEO-DV GmbH	12.1	1C040
GeoFly GmbH	12.1	1D050
GeoGIS Consultants d.o.o.	12.0	0C025
GEOkomm e.V.	12.0	0E031
Geokon	12.0	0D103
GEOMAGIC GmbH	12.0	0E110
Geomatics, Geological and Geographers	12.1	1C001
Geoplex GIS GmbH	12.0	0F138
GEO-PLUS	12.0	0E059
GEORAIL.solutions s.r.o.	12.1	1F009
Geospatial World	12.0	0H019
GeospatialNEXT	12.1	1D078
geoSYS	12.0	0E031
GEOSYSTEMS GmbH	12.0	0E100
GEOTECH Bratislava, s.r.o.	12.1	1E002
Geotrade bv	12.1	1G070
German Deep Tech Innovations AG	12.0	0E031
Getac Technology GmbH	12.0	0A021
Gexcel S.r.l.	12.0	0D135
GGS - Geotechnik, Geoinformatik & Service GmbH	12.0	0F101
GIM International	12.1	1B119
GIS Consult GmbH	12.0	0E110
gisplay.pl	12.1	1D078
GIS-point	12.1	1C008
GisWorld Tech	12.1	1D078
Global Geosystems, S.L.	12.1	1E029
GMV	12.0	0F074
Goecke GmbH & Co. KG	12.1	1C011
GoSLAM	12.0	0C080
Gottlieb Nestle GmbH	12.1	1C076
GPS World	12.1	1D078
GreenValley International Inc.	12.1	1D129
GRINTEC GmbH	12.0	0A021
grit GmbH	12.1	1B038
Gter srl	12.0	0G120
GUANG ZHOU DATIE INS Surveying Tech Ltd.	12.1	1E069
Guangzhou Geosurv Information Technology Co.	12.0	0C090
Guangzhou Meridian GNSS Co., Ltd.	12.1	1B012
Guangzhou Spherefix Navigation Information	12.0	0C120
GUANGZHOU STAR INFORMATION TECHNOLOGY	12.0	0E061
Guangzhou Toksurvey Information Technology	12.1	1E081
Guangzhou ZhongKeYunFei Innovation (Innoflight)	12.1	1F011
GUIDELINE GEO AB	12.1	1B126
H		
Happy Survey GmbH	12.1	1D090
Hasso-Plattner-Institut für Digital Engineering gG	12.0	0E031
Hebei Zhufeng Apparatus & Meter Co., Ltd.	12.0	0H013
Hesai Technology	12.1	1C118
Hexagon AB	12.1	1B060
HHK Datentechnik GmbH	12.0	0F021
High Power Media Ltd	12.1	1D078
Hi-Target International Co., Ltd.	12.0	0F069
Hochschule Anhalt/ FB AFG	12.1	1G019
Hochschule Bochum	12.1	1G040
Hochschule Mainz - University of Applied Science	12.1	1G019
Hochschule Neubrandenburg	12.1	1C108

AUSSTELLERB/EXHIBITORS	HALL	STAND
Honeywell Aerospace	12.1	1E095
Horus	12.0	0A054
HP	12.1	1B040
HPRC CASES - Plaber S.r.l	12.0	0E108
Hydrographische Nachrichten	12.1	1D078
HySpex - Norsk Elektro Optikk AS	12.0	OG058
I		
IB&T Software GmbH	12.1	1C101
IDS GeoRadar s.r.l.	12.1	1B060
IGI mbH	12.0	0F019
IGS Ingenieure GmbH & Co. KG	12.0	0C119
ILV - Fernerkundung GmbH	12.1	1A083
Imajing	12.0	0H120
ImpulseRadar Sweden AB	12.0	0E076
Industrieanlagen Betriebsgesellschaft mbH	12.1	1F081
Inertial Labs Inc.	12.0	0F139
infraview GmbH	12.1	1E020
infrest - Infrastruktur eStrasse GmbH	12.0	0E031
Inovi	12.0	0E020
iNovitas Deutschland GmbH	12.1	1D019
Inside Unmanned Systems	12.1	1D078
Inspiring Sky LLC	12.1	1G064
Institut Cartogràfic i Geològic de Catalunya	12.1	1C001
Institute for Q-shu Pioneers of Space, Inc	12.0	0A039
INTERGEO Rebooking-Area	12.1	1G091
intermetric Gesellschaft für Ingenieurmessung und	12.1	1E091
International Federation of Surveyors, FIG	12.1	1A021
ISL-Kocher GmbH	12.0	0F059
ITRES	12.1	1F061
ITS Geo Solutions GmbH	12.0	0F133
ITS Informationstechnik Service GmbH	12.0	0A021
IVB Krause + Partner	12.0	0E031
J		
J.O.T Solutions	12.0	0E101
JAVAD GNSS Inc.	12.1	1E101
JAWESO GmbH	12.0	0E079
Jens Janßen Ingenieurbüro	12.1	1D099
JIANGXI WONDER SURVEY CO., LTD	12.1	1B005
Jinhua MAKA Technology Co.,Ltd.	12.0	0A098
Josef Attenberger GmbH	12.1	1D101
Juniper Systems Limited	12.1	1C130
K		
K21 media GmbH	12.1	1D078
Kalmar Systems GmbH	12.1	1E079
Kempter GmbH	12.1	1A019
KickTheMap Sarl	12.1	1F091
Kindhelm	12.0	0B069
K-MATIC Ireland t/a Soarvo	12.0	0B110
KonGeoS	12.1	1G030
Kontur AS	12.0	0E093
Kosminis Vytis UAB	12.1	1A013
Kumo Software GmbH	12.1	1A081
Kuratorium für Waldarbeit und Forsttechnik (KWF)	12.1	1F101
L		
LANGRY TECHNOLOGY PTE. LTD	12.1	1C119
LAO Ingenieurgesellschaft mbH	12.1	1B131
Laser Tech	12.1	1B086
Laserscanning Europe GmbH	12.0	0C060
Lefixea Inc.	12.0	0A012
Leica Geosystems AG	12.1	1B060
Loopool.ai	12.0	0A100
Luftfahrt-Bundesamt	12.0	0A108
Luota Oy	12.1	1B058
LUP Luftbild Umwelt Planung GmbH	12.1	1D050
Lupos3D GbR	12.0	0E031

AUSSTELLERB/EXHIBITORS	HALL	STAND
M		
M.O.S.S. Computer Grafik Systeme GmbH	12.1	1E050
Mach9	12.1	1G028
Magellan- geoinform Softwarevertrieb GmbH	12.1	1A019
Manifold Tech Limited	12.0	0F085
MARITIME ROBOTICS	12.0	0C110
Matomai	12.0	0A086
Mechasys	12.0	0H101
Megamap GmbH	12.1	1B131
Mena3D GmbH	12.0	0C065
Mensch und Maschine	12.0	0E020
MERVISOFT GmbH	12.1	1A019
MetaSensing Srl	12.1	1A082
Metrotech Vertriebs GmbH	12.0	0H081
Mettenmeier GmbH	12.0	0A021
MGGP Aero Sp. z o.o.	12.0	0E121
Microwave Sensors and Electronics + MWSE	12.1	1C001
MILAN Geoservice GmbH	12.0	0C051
Ministerium des Innern des Landes	12.1	1G040
Miviso GmbH	12.0	0A058
Moasure	12.0	0B071
Mosaic - 360° Camera Solutions / Unirmi s.r.o.	12.0	0C101
MOST Robotics GmbH	12.0	0E001
MostaTech	12.0	0H113
Move Solutions	12.0	0F078
MPMSOFT Teknoloji Ltd. Sti.	12.0	0A016
MTS Schrode AG	12.0	0F059
N		
NAVTRON Kft	12.0	0A075
NavVis GmbH	12.1	1C038
NHAZCA S.r.l.	12.0	0B118
Nokia Solutions and Networks Oy	12.0	0E001
NORBIT Subsea AS	12.1	1E079
Nordalp GmbH	12.0	0A006
Northcoast	12.1	1D078
NovAtel Inc.	12.1	1B060
NTI	12.0	0E020
NTLab UAB	12.1	1A013
NV5 Geospatial	12.0	0D002
O		
OGF GmbH	12.1	1D119
Omnidots BV	12.1	1E021
OmniSLAM Co., Ltd.	12.1	1B039
onocoy Services AG	12.0	0C124
OPEGIEKA Sp. z o.o.	12.1	1C048
OPENGIS.ch GmbH	12.1	1C097
ORBITS Engineering Firm	12.0	0F061
Orbview PTE Ltd.	12.0	0A129
OroraTech GmbH	12.1	1B041
Orthodrone GmbH	12.0	0F020
Oxford Technical Solutions	12.1	1D011
P		
Panaro Srl	12.0	0C121
Panasonic Connect Europe GmbH	12.1	1F069
PARETO Solutions Sarl	12.1	1B079
Patzer Verlag GmbH & Co.KG	12.1	1D078
Peiseler GmbH	12.1	1A080
Phase One A/S	12.0	0F020
PHOTOMAP, s.r.o.	12.0	0F120
Pix4D SA	12.0	0G051
Plan4Better GmbH	12.1	1A037
Planet Labs Germany GmbH	12.0	0C029
Point Cloud Technology GmbH	12.0	0E031
Point One Navigation	12.1	1B099
PointCab GmbH	12.0	0C060

AUSSTELLERB/EXHIBITORS	HALL	STAND
Pointly GmbH	12.0	0B060
PPM Precise Positioning Management GmbH	12.1	1B082
Prevu3D	12.1	1B093
Propulsion Consulting SAS	12.0	0H002
ProVI GmbH (ehemals Obermeyer)	12.1	1B110
Pythagoras BV	12.1	1D051
Q		
Quantum, (Reinventing software development	12.1	1E012
Quantum-Systems GmbH	12.0	0C068
Quectel Wireless Solution Co. Ltd.	12.0	0E103
R		
Radiodetection Ltd.	12.0	0F099
Reduct NV	12.0	0A071
RIB Software GmbH	12.0	0F048
RIEGL Laser Measurement Systems GmbH	12.0	0C051
Rivistageomedia.it/ GeoForAll	12.1	1D078
rmDATA GmbH	12.1	1B075
RoboSense Technology Co., Ltd.	12.1	1B005
Rothbucher Systeme	12.1	1D101
Runder Tisch GIS e.V.	12.1	1B041
Runione Tech Co. , Ltd.	12.0	0H135
RZI Software GmbH	12.1	1C101
S		
Safran Electronics & Defense	12.1	1A018
SATEL Oy	12.1	1E100
SatLab GeoSolution i Göteborg AB	12.0	0F075
SBG Systems SAS	12.0	0F001
Schneider Digital Josef J. Schneider e.K.	12.1	1D114
Screening Eagle Technologies	12.0	0C125
Seafloor Systems, Inc.	12.0	0H085
Senceive	12.1	1C011
Seongnam City	12.1	1E014
Septentrio - part of Hexagon	12.1	1C114
Settopsurvey S.L.	12.0	0H010
Shaanxi Deruite Industry & Trade Co., Ltd.	12.1	1B001
Shanghai AllyNav Technology Co., Ltd.	12.0	0A045
Shanghai eSurvey GNSS Co., Ltd	12.0	0C030
SHANGHAI FATTNAV INFORMATION TECHNO-	12.1	1A100
Shanghai Infipax technology Co., Ltd.	12.1	1E011
Shanghai Merrypal Import & Export Co., Ltd	12.1	1E069
Shanghai Newdi Navigation Technology Co., Ltd	12.0	0H001
Shanghai Weiyu Tiandao Technology Co., Ltd.	12.0	0H007
Shanghai Zoomsmart Technology Co.,LTD.	12.1	1GO18
SHAREUAV LIMITED	12.0	0G002
Shenzhen DINGYAO Science & Technologies Co.,	12.0	0H099
Shenzhen Liangdao Ttechnology CO., LTD	12.0	0H011
SI Imaging Services	12.0	0C041
SierraSoft S.r.l.	12.1	1E009
Silicon Sensing Systems Ltd	12.0	0F121
SimActive Inc.	12.0	0E018
SingularXYZ Intelligent Technology Ltd.	12.0	0F070
Skyability GmbH	12.0	0C051
Skyland Innovation Company Limited	12.1	1A058
Skyline Europe GmbH	12.0	0E119
Smallworld Alliance	12.0	0A021
Smart Delta Systems & Solutions	12.1	1E021
Sodex Innovations GmbH	12.0	0C119
Softplan Informatik Gesellschaft mit beschränkter	12.1	1C121
SOKKIA BV	12.1	1B019
SOMAG AG Jena	12.0	0B050
Sony Europe B.V.	12.0	0E081
South Surveying & Mapping Technology Co.,Ltd.	12.1	1A101
Spascat Technologies S.L.	12.1	1C001
Spatial Media LLC	12.1	1D078
SpatiX	12.0	0H072

AUSSTELLERB/EXHIBITORS	HALL	STAND
SPIE SAG GmbH, Grid Solutions	12.0	0C072
Stabi Alert B.V.	12.1	1E021
Stadt Frankfurt am Main - Stadtvermessungsamt	12.1	1A012
Stahl Präzisionslibellen KG	12.1	1A016
Stitch3D Inc.	12.0	0H095
STONEX S.r.l.	12.0	0F081
SuperMap Software Co., Ltd.	12.1	1D081
Surveyors Express GmbH	12.0	0F124
SuZhou FOIF Co.,Ltd	12.0	0G071
SUZHOU GEOLENI IMPORT & EXPORT CO.,LTD	12.0	0A098
SVGeo LLC	12.1	1D069
Sweco GmbH	12.1	1B088
T		
technet GmbH gründig + partner	12.0	0A061
Technische Universität Darmstadt	12.1	1A011
TELEDYNE	12.0	0C067
Terradata AG	12.1	1F065
TERRASOLID Oy	12.1	1B058
Tersus GNSS Inc.	12.1	1C021
The Cross Product (TCP)	12.1	1D008
THE GEOHOLICS	12.1	1B080
Theis Feinwerktechnik GmbH	12.1	1B139
Theta Engineering GmbH	12.1	0H097
TIANJIN SETL SURVEY EQUIPMENT CO.,LTD	12.1	1B111
TianJin Xinying Photoelectric Instrument Co.,LTD	12.1	1C137
Tiki Technologies International Co.,Limited	12.0	0F091
TinyMobileRobots ApS	12.0	0A048
TKI mbH	12.1	1B129
T-MOTOR	12.0	0H015
Topcon Europe Positioning B.V.	12.1	1A001
TopoDOT	12.0	0E041
TOPOFLIGHT AG	12.0	0B050
TopoGEOS Srl	12.0	0H137
Topotrade	12.1	1D002
TotaLite	12.0	0E078
TOYSER, S.A.	12.1	1C001
TRE ALTAMIRA	12.1	1E120
Trimble Germany GmbH	12.0	0F021
TUALCOM	12.1	1E019
Tupaia - Positioning Solutions	12.1	1D053
Tyker	12.1	1D055
U		
u-blox AG	12.1	1C041
UMGIS Informatik GmbH	12.0	0C029
Universität Bonn, Institut für Geodäsie	12.1	1G040
Universität Potsdam, Digital Engineering Fakultät	12.0	0E031
Universität Salzburg	12.1	1G019
Universität Tübingen - Tübinger Zentrum für	12.1	1G019
Unre (HangZhou) information Technology Ltd.	12.0	0E127
UP42 GmbH	12.0	0A050
US Radar Inc	12.0	0E120
UVM Systems GmbH	12.1	1A008
V		
VDE Verlag GmbH	12.1	1D078
VectorNav Technologies	12.1	1E018
Veesus Ltd	12.1	1C055
Vektor.io	12.0	0B075
Verband Deutscher Vermessungsingenieure e. V.	12.1	1B030
Verbändepark	12.1	1A021
VermCad GmbH	12.0	0A038
Vermessung3D GmbH	12.1	0F051
Vermessungsbüro Rink GmbH	12.1	1D061
Vermessungsbüro SCHWINDT	12.0	0A038
Vermessungstechnik Engelmann KG	12.1	1B074
VertiGIS GmbH	12.0	0C002

AUSSTELLERB/EXHIBITORS	HALL	STAND
Vexcel Imaging GmbH	12.0	0F100
vh software tools	12.0	0A006
Viametris	12.0	0G015
Virtual Surveyor NV	12.0	0B018
Viscan GmbH	12.0	0C119
VISICOM	12.1	1G060
Visimind AB	12.1	1G098
Vogel Communications Group GmbH & Co.KG	12.1	1D078
Vogel IT-Medien GmbH	12.1	1D078
Voyant Photonics Inc.	12.0	0H127
W		
Wenger-Wiethüchter Vermessungstechnik GmbH	12.1	1B074
Wingtra AG	12.0	0E123
WIN-Verlag GmbH & Co. KG	12.1	1D078
Woolpert	12.0	0C118
World Geospatial Industry Council	12.0	0G050
Worldsensing, S.L.	12.0	0D134
Wuhan Geosun Navigation Technology Co.,Ltd	12.0	0C133
WUHAN MXGNSS TECHNOLOGY Co.	12.0	0B114
Wuhan Woncan Construction Technologies Co.,	12.1	1E031
WUHAN YUSHENG OPTOELECTRONIC CO.,LTD.	12.1	1A040
X		
XenomatiX N.V.	12.0	0G129
XEOS Imaging Inc.	12.1	1A044
X-Eye AG	12.0	0G131
XGRIDS LIMITED	12.1	1B021
XIMEA GmbH	12.0	0A095
Y		
YellowScan	12.0	0E001
YETITMOVES SRL	12.0	0G120
Z		
Zeusch Aviation BV	12.1	0B012
Zhuhai 4Dage Technology Co., Ltd.	12.0	0F080
Zhuhai Precise Technology Co. , Ltd	12.1	1B115
Zirn Consulting	12.0	0F010
Zoller & Fröhlich GmbH	12.0	0F107
ZVNAV Technology (Xi'an) Co.,Ltd.	12.0	0A127
ZZCOMM Technology (Suzhou) Co. Ltd.	12.1	1B011

06.

CONFERENCE

FINDING SOLUTIONS FOR SOCIETAL ISSUES

CONFERENCE PROGRAMME
TUESDAY, 07.10.2025

SAAL FREQUENZ 1+2

WITH TRANSLATION/ MIT ÜBERSETZUNG

1.1.1 Opening Keynotes "Geo & KI"

09:30 - 09:40 **Begrüßung durch den Präsidenten des DVW | DE**
Rudolf Staiger, Präsident, DVW e.V. - Gesellschaft für Geodäsie, Geoinformation und Landmanagement

09:40 - 09:50 **Grußwort des Schirmherrn (Bundesministerium des Innern) | DE**

09:50 - 10:20 **Erdbeobachtung und Künstliche Intelligenz | DE**
Johann Dietrich Wörner, Raumfahrtkoordinator Hessen, Land Hessen

10:20 - 10:50 **Spatial Data and AI: The Future of Work is here | EN**
Konrad Wenzel, Director, Esri R&D Center Stuttgart
Daniela Becker, Vice President EMEA Global Named Accounts, Autodesk

1.1.2 Entwicklungstendenzen Digitaler Zwillinge - Trends undPotenziale

Moderation Jörg Blankenbach

11:30 - 11:50 **Von Daten zu Einsichten: Visualisierungstechnologien für digitale Zwillinge der nächsten Generation | DE**
Eva Klien, Abteilungsleiterin, Fraunhofer-Institut für Graphische Datenverarbeitung IGD

11:50 - 12:10 **DigitalCities4Us - mit Geodaten integrative städtische Räume schaffen | DE**
Pascale Spychiger, Account Manager Survey Solutions, Hexagon
David Grimm, Studiengangsleiter BSc, Geodätische Messtechnik und Geosensorik, Fachhochschule Nordwestschweiz FHNW

12:10 - 12:30 **Digitale Zwillinge der nächsten Generation: Wie Künstliche Intelligenz, Echtzeitdaten und Fachanwendungen zusammenwirken | DE**
Christer Lorenz, Senior Business Development Manager Smart Cities, Esri Deutschland GmbH
Christoph Zonsius, Head of Sales Federal and State Government, Esri Deutschland GmbH

1.1.3 Digitale Zwillinge in der Praxis

Moderation Christoph Kany, Arbeitskreisleiter, DVW e.V.

14:00 - 14:20 **Der Digitale Zwilling NRW: Bericht aus der Praxis | DE**
Stefan Sandmann, Referent, Innenministerium NRW

14:20 - 14:40 **Digitaler Zwilling Kreis: smarte Regionen interkommunal gestalten | DE**
Sonja Boxhammer, Amtsleiterin für Kataster, Geodaten und Immobilienwerte, Kreis Herford

14:40 - 15:00 **Die digitalen Zwillinge der Stadt Zürich | DE**
Jürg Lüthy, Direktor, Geomatik + Vermessung

SAAL FREQUENZ 1+2

WITH TRANSLATION/ MIT ÜBERSETZUNG

1.1.4 Digitale Zwillinge zur Sicherung kritischer Infrastrukturen

Moderation Jens Riecken, Abteilungsleiter, Geobasis NRW

15:30 - 15:50 **Bessere Resilienz kritischer Infrastrukturen durch großräumige Digitale Zwillinge | DE**
Holger Fritze, consultant, con terra

15:50 - 16:10 **Digitale Zwillinge für Brücken aus der Sicht des Bundes | DE**
Carl Richter, Abteilungsleiter, Bundesanstalt für Straßen- und Verkehrswesen (BASt)

16:10 - 16:30 **Digitale Zwillinge zur Sicherung kritischer Infrastrukturen (KRITIS) | DE**
Christoph Averdung, CEO, CPA ReDev GmbH

1.1.5 Digitale Zwillinge & Künstliche Intelligenz - die nächste Stufe: Revolution oder Hype?

Moderation Robert Seuß, Professor für Geoinformation, Frankfurt UAS

17:00 - 17:20 **Geo & AI - ein ganz normaler Hype | DE**
Marko Prisky, CTO, Esri Deutschland GmbH

17:20 - 17:40 **Reden wir mit dem Digitalen Stadtzwilling! | DE**
Thomas Kolbe, Universitätsprofessor, Lehrstuhl für Geoinformatik, Technische Universität München

17:40 - 18:00 **DeepWaive – Ein Quantensprung in der Hochwassersimulation: Vom statischen GIS-Layer zum interaktiven Digital Twin | DE**
Julian Hofmann, CEO, FloodWaive Predictive Intelligence GmbH

Host: DVW e.V.
Conference organiser: DVW GmbH
Expo organiser: HINTE Expo & Conference GmbH

TUESDAY, 07.10.2025

SAAL **TRANSPARENZ 1**

WITH TRANSLATION/ MIT ÜBERSETZUNG

1.2.2 Verwendung von Erdbeobachtungsdaten in der (Geoinformations-)verwaltung
Moderation Hansgerd Terlinden, Vorsitz, Lenkungsausschuss Geobasis

11:30 - 11:50 **From Space to Office: Anwendungen und Herausforderungen der satellitengestützten Erdbeobachtung in der hessischen Umweltverwaltung | DE**
Thomas Schmid, Präsident, Hessisches Landesamt für Naturschutz, Umwelt und Geologie

11:50 - 12:10 **KI-basierte Auswertung von Fernerkundungsdaten zur Aktualisierung des ATKIS® Basis-DLM | DE**
Jens Hollberg, Dezernent Geobasis DLM, HLBG

12:10 - 12:30 **Das Bayerische Satellitennetzwerk – amtliche Geodaten aus demWeltall | DE**
Michael Dotterweich, Referatsleiter, Landesamt für Digitalisierung, Breitband und Vermessung

1.2.3 Erdbeobachtungsdaten für Katastrophenmonitoring und -management
Moderation Godela Roßner, Deutsche Raumfahrtagentur im DLR

14:00 - 14:20 **Erdbeobachtung im Krisenmanagement - Der Copernicus Emergency Management Service | DE**
Ruben Piroska, Fachkoordinator des Copernicus Emergency Management Service, Bundesamt für Bevölkerungsschutz und Katastrophenhilfe

14:20 - 14:40 **Copernicus Emergency Management Service – eine Säule zur effektiven Krisenbewältigung und -prävention | DE**
Kristin Fleischer, Project Manager, IABG Industrieanlagen-Betriebsgesellschaft mbH

14:40 - 15:00 **From Orbit to Action: The Power of Thermal Data in Wildfire Detection and Monitoring | DE**
Kathrin Umstädter, Business Development Manager, OroraTech GmbH

1.2.4 Erdbeobachtungsdaten für Klimaresilienz in Städten und Kommunen
Moderation Frank Friesecke, CEO, die STEG Stadtentwicklung GmbH

15:30 - 15:50 **Klimaresilienz - Ziele, Indikatoren und Maßnahmen sowie die neue Rolle kommunaler Klimazwillinge | DE**
Stefan Ostrau, Fachbereichsleiter, Kreis Lippe

15:50 - 16:10 **Fernerkundung und Copernicus zur Unterstützung kommunaler Aufgaben | DE**
Christian Steffens, Projekt- und Netzwerkmanager, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)

16:10 - 16:30 **EO for monitoring sponge cities: Copernicus data products and beyond | EN**
Patric Brandt, Remote Sensing Scientist, Umweltbundesamt

1.2.5 Erdbeobachtungsdaten zur Sicherheit und zum Schutz kritischer Infrastrukturen
Moderation Stefan Sandmann, Referent, Innenministerium NRW

17:00 - 17:20 **Digitale Zwillinge für kritische Infrastrukturen: Entscheidungsunterstützung in Krisensituationen | DE**
Anja Hopfstock, Abteilungsleitung Geodaten, Bundesamt für Kartographie und Geodäsie
Andreas von Dömming, Referatsleitung 'Digitale Zwillinge', Bundesamt für Kartographie und Geodäsie

17:20 - 17:40 **Risiken erkennen, Ausfälle verhindern – Satellitenmonitoring für Energie- und Transportnetze | DE**
Nora Meyer zu Erpen, Head of EO Data, LiveEO GmbH

17:40 - 18:00 **Modernes Infrastrukturmonitoring - Mehr als nur Geodaten | DE**
Tobias Rudolph, Leiter Forschungsbereich Geomonitoring im Forschungszentrum Nachbergbau, Technische Hochschule Georg Agricola

SAAL **TRANSPARENZ 2**

1.3.2 The future of reality capturing - presented by 3DISE
Moderation Michal Gula, 2DIAMR

11:30 - 12:30 **Paneldiscussion: The Future of Reality Capturing - presented by 3DISE | EN**
Szymon Bloch, CEO, Scan 3D
Tomas Barnas, CEO, Overhead4D
Arash Keissami, Co-Founder, NIRA.APP

1.3.3 Gravity Field: Why? And How?
Moderation Jürgen Müller, Universitätsprofessor, Leibniz Universität Hannover, Erdmessung

14:00 - 14:20 **Evaluation of altimetry-derived marine gravity over the coastal region of Nigeria with historical ship data | EN**
Jürgen Kusche, Prof., Universität Bonn

14:20 - 14:40 **Stochastic modeling of daily GRACE gravity field solutions | EN**
Jakob Doliner, Projektmitarbeiter, TU Graz - Institut für Geodäsie

14:40 - 15:00 **Evaluation of line-of-sight gravity differences in the MAGIC constellation | EN**
Aishwarya Beena, Master Student in Geodesy and Geoinformatics, Leibniz University Hannover

1.3.4 Gravity Field: Why? And How?
Moderation Thomas Grombein, Research Assistant, KIT Karlsruhe

15:30 - 15:50 **Quantum-Based and Relativistic Geodesy | EN**
Jürgen Müller, Universitätsprofessor, Leibniz Universität Hannover, Erdmessung

15:50 - 16:10 **AeroQGrav – advancing airborne gravimetry with quantum technology | DE**
Marlene Hillig, wissenschaftliche Mitarbeiterin, Deutsches Zentrum für Luft- und Raumfahrt

16:10 - 16:30 **CARIOQA Quantum Pathfinder applications for geodesy | EN**
Manuel Schilling, Researcher, DLR Institut für Satellitengeodäsie und Inertialsensorik

1.3.5 Gravity Field: Why? And How?
Moderation Thomas Grombein, Research Assistant, KIT Karlsruhe

17:00 - 17:20 **CARIOQA Pathfinder and Future Quantum Space Gravimetry Mission Simulations | EN**
Nina Fletling, Wissenschaftliche Mitarbeiterin, Leibniz Universität Hannover

TUESDAY, 07.10.2025

SAAL **REFLEXION 2+3, HALLE 10**

1.4.2 UAV - Regulatorik in der Anwendung
Moderation Michael Wieland, Vorstand / GF, UAV DACH

11:30 - 11:35 **Eröffnung und Begrüßung zu Unmanned Systems 2025 | DE**
Michael Wieland, Vorstand / GF, UAV DACH
Michael Cramer
Thomas P. Kersten, HafenCity Universität Hamburg (HCU)

11:35 - 11:50 **Der "Industry-Trusted Remote Pilot" | DE**
Andreas Ritter, Head of Operations, UAS365

11:50 - 12:10 **Drohnenbetrieb in geografischen Gebieten - § 21h LuftVO | DE**
Oliver Heinrich

12:10 - 12:30 **Rechtssicher fliegen, wirtschaftlich skalieren: BVLOS als Effizienzhebel in Bau & Vermessung | DE**
René Wagner, Inhaber & UAS-Compliance-Experte, Dronesolut

1.4.3 UAV in der Landesvermessung
Moderation Heinz-Jürgen Przybilla, Prof., (ehemals) Hochschule Bochum

14:00 - 14:30 **Überblick der UAS-Aktivitäten einiger Landesvermessungsverwaltungen | DE**
Dietmar Geier, Projektleiter "Kompetenzfeld UAS", Landesamt für Geoinformation und Landentwicklung Baden-Württemberg

14:30 - 15:00 **Praxisbericht zum regelhaften UAS-Einsatz in der niedersächsischen Vermessungs- und Katasterverwaltung | DE**
Jakob Unger, Fachexperte Photogrammetrie/UAV, Landesamt für Geoinformation und Landesvermessung Niedersachsen (LGLN) - Landesbetrieb

1.4.4 UAV - Technik und Trends – Multi- & Hyperspektrale Sensoren und Anwendungen
Moderation Michael Cramer

15:30 - 16:00 **Multi- und Hyperspektrale UAV Sensoren und Anwendungen | EN**
András Jung, Full professor, Eötvös Loránd University

16:00 - 16:30 **Expanding UAV-based Multispectral Imaging from VIS/NIR to SWIR | EN**
Alexander Jenal, Senior Researcher, Hochschule Koblenz
Jens Bongartz, Professor / Researcher, Hochschule Koblenz

WEDNESDAY, 08.10.2025

SAAL **TRANSPARENZ 1**

WITH TRANSLATION/ MIT ÜBERSETZUNG

2.2.1 Podiumsdiskussion: BIM - What´s next?
Moderation Jörg Blankenbach

09:30 - 10:30 **Podiumsdiskussion: BIM - What´s next? | DE**
Katharina Lundenberg, Geodatenexpertin, Oberfinanzdirektion Frankfurt am Main, Cornelius Preidel, Vorstandsvor., buildingSMART DE, Ralf Mosler, Leader BIM Transformation, Autodesk, Thomas Wilk, Regierungspräsident, Bezirksregierung Köln

2.2.2 BIM aus Herstellersicht
Moderation Christian Clemen, Professor, HTW Dresden, Fak. Geoinformation

11:00 - 11:30 **Mehr Effizienz auf der Baustelle: Mit nahtlosen BIM-to-Field Workflows von Trimble | DE**
Steven Witte, Technischer Vertriebsingenieur für Vermessung, Hochbau & Reality Capture, Trimble Germany GmbH

11:30 - 12:00 **AI und die Zukunft von BIM | EN**
Ralf Mosler, Leader BIM Transformation, Autodesk

2.2.3 Geo-Intelligence im Hochwasserschutz
Moderation Gesa Kutschera, Leiterin Nachhaltigkeit und Forschung, GELSENWASSER AG

13:30 - 13:50 **Mit Geo-Intelligence Starkregengefahren begegnen | DE**
Martin Lenk, Head of Department, Bundesamt für Kartographie und Geodäsie

13:50 - 14:10 **Staatlich gesteuerte Resilienz: Digitale Zwillinge für eine smartere Hochwasser-Governance | DE**
Paloma Akerman, Geschäftsverantwortliche für digitale Lösungen im Bereich Wasser, Autodesk

14:10 - 14:30 **Digitale Strategien für den Umgang mit Extremereignissen im Wasserkreislauf | DE**
Peter Rummel, Director Infrastructure Policy Advancement, Bentley Systems

2.2.4 Einsatz von Geoinformationen für den regionalen und effektiven Hochwasserschutz und Niedrigwassermaßnahmen
Moderation Robert Seuß, Professor für Geoinformation, Frankfurt UAS

15:00 - 15:20 **Einsatz von Geoinformationen für den regionalen und effektiven Hochwasserschutz und Niedrigwassermaßnahmen | DE**
Holger Schüttrumpf, Institutsleiter, RWTH IWW Institut für Wasserbau und Wasserwirtschaft

15:20 - 15:40 **Geobasisdaten als präventives und reaktives Werkzeug bei hydrologischen Extremereignissen (an Bundeswasserstraßen) | DE**
Thomas Artz, Referatsleitung "Geodäsie und Fernerkundung" / Head of Department "Geodesy and Remote Sensing", Bundesanstalt für Gewässerkunde

15:40 - 16:00 **Regionaler und effektiver Hochwasserschutz in der Landeshauptstadt Düsseldorf | DE**
Jörg Albert, Geodaten und Kartographie, Landeshauptstadt Düsseldorf - Vermessungs- und Katasteramt
Claus Bode, Sachgebietsleiter - Gewässerüberwachung, Landeshauptstadt Düsseldorf - Amt für Umwelt- und Verbraucherschutz

2.2.5 Mehrwerte von Geoinformationen in der Energieversorgung
Moderation Christoph Kany, Arbeitskreisleiter, DVW e.V.

16:30 - 16:50 **Geodaten für die Energiewende: Von der Kommunalen Wärmeplanung bis zum Fernwärmeausbau | DE**
Andreas Becker, Geschäftsführer und Niederlassungsleiter, TRIGIS NET GmbH

16:50 - 17:10 **Trassenpflege neu gedacht: Digitalisierung mit Geoinformatik und Fernerkundung im Projekt NETZinspect 2.0 | EN**
Sophie Crommelinck, Product Owner, Netze BW

17:10 - 17:30 **Energieversorgung und Wärmeplanung - die Rolle der Landkreise |DE**
Stefan Ostrau, Fachbereichsleiter, Kreis Lippe

WEDNESDAY, 08.10.2025

SAAL **TRANSPARENZ 2**

2.3.1 Hochhausimmobilien in Frankfurt – was kostet die Skyline?
Moderation Albert Fittkau, Verwaltungsdirektor, Arbeitskreis 6 Immobilienwertermittlung, Monika Teigel, Gutachterin, Arbeitskreis 6 Immobilienwertermittlung

09:30 - 09:50 **Wohnen über den Wolken | DE**
Christine Helbach, Abteilungsleiterin Immobilienbewertung, Stadtvermessungsamt Frankfurt

09:50 - 10:10 **Bewertung von Hochhäusern - keine alltägliche Bewertungsaufgabe | DE**
Henrik Welter, Senior Property Expert, Deutsche Pfandbriefbank AG

10:10 - 10:30 **Abschlussdiskussion | DE**
Henrik Welter, Senior Property Expert, Deutsche Pfandbriefbank AG
Christine Helbach, Abteilungsleiterin Immobilienbewertung, Stadtvermessungsamt Frankfurt

2.3.2 Quo vadis GAK – Herausforderungen und Chancen für die ländlichen Räume
Moderation Dagmar Bix, Bezirksregierung Münster, Raphael Bretscher, Leiter Gruppe Bodenordnung Weinbau, Dienstleistungszentrum Ländlicher Raum Rheinpfalz

11:00 - 12:00 **Podiumsdiskussion zum Thema "Quo vadis GAK" | DE**
Eberhard Hartelt, Bauern- und Winzerverband Rheinland-Pfalz Süd e.V.
Thomas Reimann, Ministerium für Klimaschutz, Landwirtschaft, ländliche Räume und Umwelt Mecklenburg-Vorpommern,
Alois Bauer, Leiter der Unterabteilung „Ländliche Entwicklung“, Bundesministerium für Landwirtschaft, Ernährung und Heimat

2.3.3 DKK - Zukunft der Kartographie
Moderation Jochen Schiewe, Professor, DGfK

13:30 - 13:50 **Was muss ein Kartograph heute können? | DE**
Mathias Gröbe, GIS-Experte, WhereGroup GmbH

13:50 - 14:10 **„Fake-Karten“ durch Kartographische Generalisierung | DE**
Jochen Schiewe, Professor, DGfK

14:10 - 14:30 **Fehlbarkeit als Potenzial: Fallibilismus und Generative KI in der Kartographie | DE**
Dennis Edler, Akademischer Oberrat, Ruhr-Universität Bochum

2.3.4 DKK - Spannende Kartographie-Projekte
Moderation Dennis Edler, Akademischer Oberrat, Ruhr-Universität Bochum

15:00 - 15:20 **Achtung Barriere: Wie wir gemeinsam mit Betroffenen unsichtbare Hindernisse in der Stadt sichtbar gemacht und kartiert haben | DE**
Marc Engelhardt, Geschäftsführer, CORRECTIV.Schweiz

15:20 - 15:40 **Der neue „Kleinräumige Krebsatlas für Niedersachsen“: Mit komplexen statistischen Modellen zu besser verständlichen Karten? | DE**
Sebastian Specht, Data Science Software Engineer, OFFIS e.V.

15:40 - 16:00 **Möglichkeitsräume: Konzepte zur Aufbereitung und Visualisierung unscharfer raumzeitlicher Bewegungsdaten | DE**
Andreas Gollenstede, Wissenschaftlicher Mitarbeiter, Jade Hochschule

SAAL **TRANSPARENZ 2**

2.3.5 DKK - Kartographie beim Regionalverband FrankfurtRheinMain
Moderation Andreas Illert, Bundesamt für Kartographie und Geodäsie BKG

16:30 - 16:50 **Kartographische Herausforderungen für den Regionalen Flächennutzungsplan | DE**
Barbara Tóth, Kartographin, Regionalverband FrankfurtRheinMain

16:50 - 17:10 **Die Biotop-Nutzungstypenkarte des Regionalverbandes Frankfurt | DE**
Volker Bannert, Geoinformatiker, Regionalverband FrankfurtRheinMain

17:10 - 17:30 **Kartographisches Klassifizierungsverfahren für Berge und Gipfel | DE**
Wolfgang Leonhard, Kartograph, Regionalverband FrankfurtRheinMain

WEDNESDAY, 08.10.2025

SAAL **PRISMA**

2.4.1 Geodesy for climate research
Moderation Annette Eicker, HafenCity Universität

09:30 - 09:40 **Verleihung DVW-Promotionspreis | DE**
Matthias Willen, Wissenschaftlicher Mitarbeiter, TU Dresden
Rudolf Staiger, Präsident, DVW e.V.

09:40 - 10:00 **On the quantification of ice sheet mass changes and glacial isostatic adjustment effects by combining satellite data | EN**
Matthias Willen, Wissenschaftlicher Mitarbeiter, TU Dresden

10:00 - 10:20 **The impact of using different geodetic data products for estimating solid-Earth deformation in Antarctica | EN**
Jacob Klug, Doktorand, TUM-DGFI

2.4.2 Geodesy for climate research
Moderation Annette Eicker, HafenCity Universität

11:00 - 11:20 **Low-cost geodetic sensor technology in the context of coastal hazards and sea level rise: potential and fields of application | DE**
Uwe Köster, Dozent Zertifikatsstudium GeoDataScience, Landesamt für Vermessung und Geoinformation Schleswig-Holstein

11:20 - 11:40 **Land water storage simulations with OS LISFLOOD – recent results and insights | EN**
Laura Jensen, Wissenschaftliche Mitarbeiterin, GFZ Helmholtz-Zentrum für Geoforschung

11:40 - 12:00 **Large Eddy Simulation for Characterizing Water Vapor Turbulence from Zenith Wet Delay Observations | DE**
Gael Kermarrec, Supervisor, LUH IMUK
Tim Schrader, Masterstudent, LUH IMUK

2.4.3 Geodesy for various tasks
Moderation Steffen Schön, Univ.-Prof., Leibniz University Hannover, Institut für Erdmessung

13:50 - 14:10 **A SWOT-Based Approach for High-Resolution Intertidal DEM Mapping in the Elbe Estuary | EN**
Sun Mingzhi, Student, Universität Bonn

14:10 - 14:30 **Influence of Mounting Platforms on GNSS Antenna Performance for High Accuracy Positioning | EN**
Stefano Caizzone, Group Leader "Antenna Systems", German Aerospace Center (DLR) Institute of Communications and Navigation

2.4.4 Engineering Geodesy: sensors and methods
Moderation Steffen Schön, Univ.-Prof., Leibniz University Hannover, Institut für Erdmessung

15:00 - 15:20 **Collaborative Efforts in GNSS Antenna Calibration: Evaluating Position Deviations Using IGS Ring Calibration Data | EN**
Johannes Kröger, Scientific Researcher, Leibniz Universität Hannover

15:20 - 15:40 **Gravimetry for a Safer Sea: Simulating Munitions Detection in Challenging Conditions | EN**
Moritz Fock, Research Assistant / Geodesist, Deutsches Zentrum für Luft- und Raumfahrt (DLR)

15:40 - 16:00 **Evaluation of Sheet Pile Wall Measurements using a Multibeam Echosounder | EN**
Christian Gaus, Phd student, University of Bonn

SAAL **PRISMA**

2.4.5 Engineering Geodesy: sensors and methods
Moderation Steffen Schön, Univ.-Prof., Leibniz University Hannover, Institut für Erdmessung

16:30 - 16:50 **Joint Stone Segmentation and Feature-Driven Deformation Monitoring of Water Dams | EN**
Annika Tobies, PHD Candidate, University of Bonn

16:50 - 17:10 **Improved GNSS-based positioning in urban environments | EN**
Steffen Schön, Univ.-Prof., Leibniz University Hannover, Institut für Erdmessung

17:10 - 17:30 **Ground truth trajectory estimation by fusing robotic total station and inertial measurements | EN**
Manuel Mittelstedt, PhD, Universität Bonn - Institut für Geodäsie und Geoinformation

THURSDAY, 09.10.2025

SAAL **FREQUENZ 1+2**

3.1.1 Digitale Transformation in der Geoinformationsverwaltung - Erfolge und Ziele

Moderation Jens Riecken, Abteilungsleiter, Geobasis NRW

09:30 - 10:00 **Herausforderungen der Geoinformationsverwaltungen - Strategie der AdV | DE**
Kerstin Will, Referatsleiterin, Ministerium des Innern des Landes NRW

10:00 - 10:30 **Podiumsdiskussion "Digitale Transformation - Perspektiven, Trends und Thesen" | DE**
Kerstin Will, Referatsleiterin, Ministerium des Innern des Landes NRW
Cordula Jäger-Bredenfeld, Präsidentin, Landesamt für Vermessung und Geoinformation Sachsen-Anhalt
Hansjörg Kutterer, Universitätsprofessor, KIT Karlsruhe

3.1.2 Digitale Souveränität

Moderation Jens Riecken, Abteilungsleiter, Geobasis NRW

11:00 - 11:15 **amtlich.abhängig.ausgeliefert? Der Lenkungsausschuss Geobasis auf dem Weg in die Digitale Souveränität. | DE**
Hansgerd Terlinden, Vorsitz, Lenkungsausschuss Geobasis

11:15 - 11:30 **Digitale Souveränität beginnt mit der Architektur | DE**
Clemens Portele, Geschäftführer, interactive instruments

11:30 - 11:45 **AA-DHK: Modernes Management von ALKIS- und ATKIS-Daten - ein Beitrag aus NRW zur Digitalen Souveränität | DE**
Sebastian Halsig, Dezernent, Bezirksregierung Köln, Abteilung 7 - Geobasis NRW

11:45 - 12:00 **Podiumsdiskussion: Digitale Souveränität in der amtlichen Vermessungsverwaltung | DE**
Clemens Portele, Geschäftführer, interactive instruments
Hansgerd Terlinden, Vorsitz, Lenkungsausschuss Geobasis
Sebastian Halsig, Dezernent, Bezirksregierung Köln, Abteilung 7 - Geobasis NRW

3.1.3 Aktuelles vom Wirtschaftsrat GDI-DE

Moderation Gerd Buziek, Esri Deutschland GmbH

13:00 - 13:20 **Einbindung der Wirtschaft in die Umsetzung der NGIS 2.0 | DE**
Katrin Weke, Vorsitzende des Lenkungsgremiums GDI-DE, Die Senatorin für Bau, Mobilität und Stadtentwicklung

13:20 - 13:40 **Ausgewählte Beispiele der Zusammenarbeit mit Wirtschaft und Wissenschaft | DE**
Roland Goetzke, Referent, Bundesministerium für Verkehr

13:40 - 14:00 **Digitale Zwillinge und GDI-DE – Eine Positionsbestimmung aus Sicht der Wirtschaft | DE**
Marc Kleemann, Business Relations Executive, con terra GmbH

3.1.4 KI & Geoinformation - Innovationen und Perspektiven

Moderation Susanne Kleemann, DVW Vizepräsidentin

14:30 - 15:00 **Mehr Geoinformation durch GPU: Wie KI die Analyse räumlicher Daten verändert | DE**
Patrick Merita, KI-Experte, Bundesamt für Kartographie und Geodäsie BKG
Hendrik Wagenseil, KI-Manager, Bundesamt für Kartographie und Geodäsie BKG

15:00 - 15:30 **The Age of Intelligence – KI und der Digitale Zwilling | EN**
Johannes Maunz, VP Artificial Intelligence, Hexagon

SAAL **TRANSPARENZ 1**

WITH TRANSLATION/ MIT ÜBERSETZUNG

3.2.1 Innovationen in der Messtechnik

Moderation Christoph Holst, Univ.-Prof., Technische Universität München

09:30 - 09:50 **Neue, effiziente Arbeitsabläufe für VermesserInnen durch verbesserte Automatisierung, mobile Konnektivität und einfachere Zusammenarbeit | EN**
Hans-Martin Zogg, Hexagon

09:50 - 10:10 **Stationäres und Mobiles Scannen – Best of Both Worlds | DE**
Christoph Held, Senior Application Engineer, Zoller & Fröhlich GmbH

10:10 - 10:30 **Nutzung von Lichtwellenleiter für Bauwerksmonitoring und Verkehrsflussanalysen | DE**
Werner Lienhart, Institutsleiter, Technische Universität Graz

3.2.2 Scanning, Punktwolken und KI

Moderation Corinna Harmening, Universitätsprofessorin, Karlsruher Institut für Technologie

11:00 - 11:20 **Integration aktueller Laserscans in Bestandspunktwolken für Urbane Digitale Zwillinge | DE**
Christoph Holst, Univ.-Prof., Technische Universität München

11:20 - 11:40 **AI for classifying 3D point clouds to create digital twins of built infrastructure | EN**
Rico Richter, CEO, Point Cloud Technology GmbH

11:40 - 12:00 **Today, tomorrow, and beyond: How NavVis is rethinking the way we work with point clouds | EN**
Georg Schroth, Chief Technology Officer (CTO), NavVis GmbH

3.2.3 Scannen und Sensorik - Messen, was man nicht sieht!

Moderation Susanne Lipkowski, Professorin, Bochum University of Applied Sciences

13:00 - 13:20 **Monitoring and exploration of underground cavities in mining: challenges and technological approaches | EN**
Jens-André Paffenholz, Professor & Head of Institute, Clausthal University of Technology - Institute of Geotechnology and MIneral Resources - Geomatics for Underground Systems

13:20 - 13:40 **Infrastructure Inspection with Mobile Mapping and GPR combined | EN**
Ronald van Coevorden, Vertical Markets Director EMEA, Trimble

13:40 - 14:00 **Forschungsprojekt Digitaler Deichläufer – Integriertes, Georadrar-basiertes Deichmonitoring als Grundlage für eine optimierte Deichüberwachung | DE**
Daniel Grottke, Wiss. Mitarbeiter, gia Geodätisches Institut RWTH Aachen University

3.2.4 Unmanned und Robotische Systeme

Moderation Michael Vogel, Trimble Fellow, Trimble Jena GmbH

14:30 - 14:50 **Beinige Autonomie für Geointelligenz: Der GrandTour-Datensatz mit dem Boxi-Sensorsystem und der Präzision von Leica Geosystems | EN**
Turcan Tuna, PhD Candidate, ETH Zurich

14:50 - 15:10 **Präzision pur: Trimble Inpho – Innovation in der Photogrammetrie | DE**
Thomas Widmer, Sr. Product Manager, Trimble

15:10 - 15:30 **RiverCloud – ein Multisensor-UAV/USV-Tandemsystem für die autonome ber- und Unterwasservermessung von Binnengewässern | DE**
Ralf Becker, Wissenschaftlicher Mitarbeiter Forschungsmanagement, RWTH Aachen University, Geodätisches Institut und Lehrstuhl für Bauinformatik & Geoinformationssysteme

THURSDAY, 09.10.2025

SAAL **TRANSPARENZ 2**

3.3.1 Geoinformatics: how's AI doing these days?
Moderation Ribana Roscher, Professor of Data Science for Crop Systems, University of Bonn

09:30 - 09:50 **Machine Learning and Reasoning for As-Built GIS and BIM | EN**
Younes Dhebi, Professor für Computational Methods, HafenCity Universität Hamburg

09:50 - 10:10 **Reconstructing GRACE Observations: A Deep Learning Approach to Extend Terrestrial Water Storage Time Series | EN**
Lara Johannsen, Studentin, Hafencity Universität Hamburg

10:10 - 10:30 **Leveraging Geospatial Representation Learning via Multimodal Contrastive Learning | EN**
Jonathan Hecht, Master Student, HafenCity University Hamburg (HCU

3.3.2 Earth in motion: observation systems, reference systems, Earth rotation, geodynamics
Moderation Mathis Bloßfeld, DGFI München

11:00 - 11:10 **Awarding Ceremony Geodäsie Preis | EN**
Bruce Thomas, Research Assistant, University of Stuttgart
Erich Kanngieser, Vorstandsvorsitzender, Nico Rüpke-Stiftung
Rudolf Staiger, Präsident, DVW e.V.

11:10 - 11:30 **Ship-based GNSS Contribution to Tsunami Warning in Europe and the Mediterranean | EN**
Bruce Thomas, Research Assistant, University of Stuttgart

11:30 - 11:50 **Vergleich der Realisierungen des Internationalen Terrestrischen Referenzsystems (ITRS) | DE**
Bianca Raineri, Student, Universität Bonn

3.3.3 Earth in motion: observation systems, reference systems, Earth rotation, geodynamics
Moderation Mathis Bloßfeld, DGFI München

13:00 - 13:20 **Investigation of the impact of non-tidal loading on GNSS stationposition time series | EN**
Lara Oppitz, Studentin, Rheinische-Friedrich-Wilhelms Universität Bonn

13:20 - 13:40 **Consideration of astrogeodetic observations for orientinglocal ties in the global reference frame | DE**
Michael Lösler, Mitarbeiter, Frankfurt University of Applied Sciences

13:40 - 14:00 **Why do we need a quasi-Cartesian Curvilinear Topocentric Coordinate System? | EN**
Gábor Molnár, Assistant Professor, Óbudai Egyetem Alba Regia Műszaki Kar, Geoinformatikai Intézet

3.3.4 Earth in motion: observation systems, reference systems, Earth rotation, geodynamics
Moderation Mathis Bloßfeld, DGFI München

14:30 - 14:50 **Determination of physical heights via time transfer | DE**
Klarissa Emma Lachmann, Wissenschaftliche Mitarbeiterin, Institut für Erdmessung

14:50 - 15:10 **Distinguish GNSS-TEC Disturbances Associated with Seismic Activity from Other Natural Factors | EN**
Nhung Le, Researcher, GFZ Helmholtz Centre for Geosciences, Potsdam, Germany

15:10 - 15:30 **Operational and Research Developments in EOP Predictionat BKG| EN**
Sadegh Modiri, Scientific Researcher, Federal Agency for Cartography and Geodesy BKG

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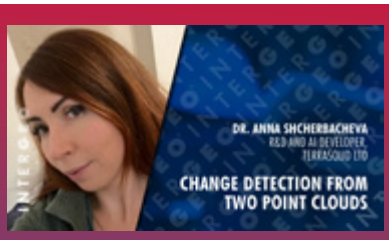

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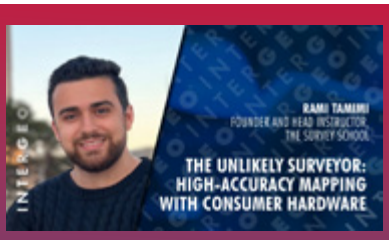

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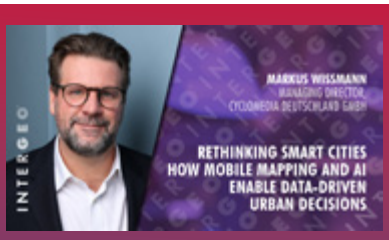
APPLICATION DOME



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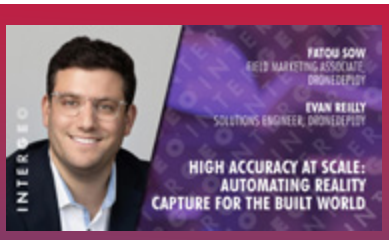

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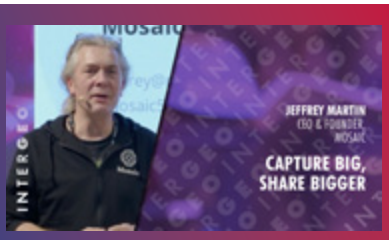

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