

WORKSHOP PROGRAMME



Silver Partner GEOMETOC



Specialized Partners



Czech Hydrometeorological Institute

Prague Airport

Air Navigation Services

Endorsed by



Military Hydrometeorological Service

Military Geographical Service



Civil Aviation Authority

University of Defence



Military Geographic and Hydrometeorology Office

National Security Authority



Land Survey Office

Czech Association of Geoinformation



Czech Television

Research Institute of Geodesy, Topography and Cartography

09:00 - 17:00 **Registration**

12:45 - 13:15 **Poster Sessions**

13:30 - 14:20 **Workshop Opening and Welcome Speeches**

Introductory Remarks and Welcome Speech - COL Jan CÍREK - GEOMETOC Chairman; Chief of Hydrometeorological Service, General Staff, Czech Armed Forces, CZE

Welcome Speech - Mr. Kamil RUDOLECKÝ - Deputy Minister of Transport, CZE

Welcome Speech - Mr. Jaroslav ŠMÍD - Deputy Director, National Security Authority, CZE

Welcome Speech - Mr. Václav DVOŘÁK - Director, Czech Hydrometeorological Institute, CZE

14:20 - 17:00 **DESIGNATED GEOSPATIAL INFORMATION FOR STATE SECURITY FORCES AND ORGANIZATIONS**

Moderated by: Mr. Václav MISÍK - Deputy Chief of Cabinet, Deputy Chief of International Relations National Security Authority, CZE

14:20 - 14:30 **Introductory Remarks** - COL (Ret.) Václav TALHOFER - Vice-chairman GEOMETOC, Department of Military Geography and Meteorology, University of Defence, CZE

14:30 - 14:50 **Selected Challenges and Trends in the Field of Geoinformatics**
Mr. Wolfgang REINHARDT - University of the Bundeswehr, Muenchen, Chair of Geoinformatics, DEU

14:50 - 15:10 **Civil-military Cooperation in Geospatial Information in the Czech Republic**
Mr. Karel BRÁZDIL - Director of Land Survey Office, CZE

15:10 - 15:30 **Coffee Break & Networking**

15:30 - 15:50 **Spatial Data Integration and Multidimensional Databases for Czech Crime Prevention**
Mr. Jiří HORÁK - Czech Association for Geoinformation (CAGI), Vice-President; VŠB - Technical University of Ostrava, CZE

15:50 - 16:10 **Vector Geospatial Databases in the Czech Armed Forces**
MAJ Jan MATULA - Standardization Coordinator, Military Geographic and Hydrometeorology Office, CZE

16:10 - 16:30 **HEXAGON Safety & Infrastructure** – Topic TBD
Silver Partner presentation – TBC
Stand No. 454



16:30 - 16:50 **Avalanche Risk Assessment: A Case Study of Gyong Sector Siachen Pakistan**
Mr. Hamid ASHRAF - School of Mining Engineering, University of the Witwatersrand, Johannesburg, PAK

16:50 - 17:00 **Session Closing Remarks** - COL (Ret.) Václav TALHOFER - Vice-chairman GEOMETOC, Department of Military Geography and Meteorology, University of Defence, CZE

08:30 - 16:45 Registration

09:00 - 09:15 Poster Sessions

09:30 - 11:50 GEOSPATIAL SUPPORT TO NATIONAL DEFENCE AND CRISIS MANAGEMENT

Moderated by: Mr. Václav MISÍK - Deputy Chief of Cabinet, Deputy Chief of International Relations National Security Authority, CZE

09:30 - 09:40 **Introductory Remarks** - COL Vladimír KOVAŘÍK - Vice-chairman GEOMETOC, Head of Department of Military Geography and Meteorology, University of Defence, CZE

09:40 - 10:00 **The Geospatial Services of the EU Satellite Centre to Support the EU External Action in the CFSP/ESDP Field**
Mr. Pascal LEGAI - Director of the European Union Satellite Centre, EU

10:00 - 10:20 **Specifics of the Thematic Map Production at a Strategic Command Level**
COL Vladimír KOVAŘÍK - The Head of the Department of Military Geography and Meteorology, University of Defence, CZE

10:20 - 10:40 **Enhanced Disaster Preparedness by Multi-Actor Cross-Organizational Information Infrastructures**
Mr. Horst KREMERS - Chairman CODATA German National Committee for the Committee on Data for Science and Technology of ICSU, DEU

10:40 - 11:00 Coffee Break & Networking

11:00 - 11:20 **Model of Cross-Country Movement Verification: Case Study**
COL (Ret.) Václav TALHOFER - Department of Military Geography and Meteorology, University of Defence, CZE

11:20 - 11:40 **Flash Flood Risk Assessment Using Weather Radar**
Mr. Petr RAPANT - Institute of Geoinformatics, Faculty of Mining and Geology, VŠB - Technical University of Ostrava, CZE

11:40 - 11:50 **Session Closing Remarks** - COL Vladimír KOVAŘÍK - Vice-chairman GEOMETOC; Head of Department of Military Geography and Meteorology, University of Defence, CZE

11:50 - 12:50 Lunch Break & Networking

12:20 - 12:40 Poster Sessions

11:50 - 12:50 Lunch Break & Networking

12:20 - 12:40 Poster Sessions

12:50 - 16:45 MODERN TRENDS IN THE HYDROLOGICAL AND METEOROLOGICAL SUPPORT OF ARMED FORCES AND GOVERNMENT PERFORMANCE

Moderated by: Mr. Václav MISÍK - Deputy Chief of Cabinet, Deputy Chief of International Relations National Security Authority, CZE

12:50 - 13:00 **Introductory Remarks** - LTC Josef NOVOTNÝ - Vice-chairman GEOMETOC, Deputy Head of Department of Military Geography and Meteorology, University of Defence, CZE

13:00 - 13:20 **The Necessary Cooperation on Safety between Civil and Military Aviation**
MG (ret) Denis KOEHL - Senior Military Advisor, EASA

13:20 - 13:40 **Mobile Hydrometeorological Support of Foreign Deployment**
1LT Helena HOLEČKOVÁ - Officer and Synoptist at Hydrometeorological Mobile Station, Military Geographic and Hydrometeorology Office, CZE

13:40 - 14:00 **The Importance of Accurate Measurement in Soundings Operations**
Industry presentation - Mr. Aki LIJLA - Regional Manager, VAISALA
Stand No. 304

VAISALA

14:00 - 14:20 **Teaching of Meteorology at the University of Defense**
LTC Josef NOVOTNÝ - Vice-chairman GEOMETOC, Deputy Head of Department of Military Geography and Meteorology, University of Defence, CZE

14:20 - 14:40 **Weather Phenomena Warning in the Czech Television from 1997 to Nowadays**
Ms. Tařána MÍKOVÁ - Head of the Weather Department, Czech Television, CZE

14:40 - 15:00 Coffee Break & Networking

15:00 - 15:15 **Understanding the Flood Risk: Has 20 Years of Experience Led to Turn from Disaster Management to Culture of Risk Management, Prevention and Preparedness?**
Mr. Jan DANĚLKA - Deputy Director, Head of Hydrology Division, Czech Hydrometeorological Institute, CZE

15:15 - 15:30 **Seamless Weather Forecast by the ALADIN System**
Mrs. Radmila BROŽKOVÁ - Head of Numerical Weather Prediction Department of the Czech Hydrometeorological Institute, CZE

15:30 - 15:45 **CZRAD - the Modern Dual Polarization Czech Weather Radar Network**
Mr. Petr NOVÁK - Head of Radar Department, Czech Hydrometeorological Institute, CZE

15:45 - 15:55 Break

15:55 - 16:10 **Satellite Data in the Czech Hydrometeorological Institute**
Mr. Jindřich ŠŤÁSTKA - Satellite Department, Czech Hydrometeorological Institute, CZE

16:10 - 16:25 **Integrated Warning Service System (IWSS) at Czech Hydrometeorological Institute**
Mr. Marjan SANDEV - Head of Central Forecasting Office, Czech Hydrometeorological Institute, CZE

16:25 - 16:35 **Panel Discussion**
LTC Josef NOVOTNÝ - Vice-chairman GEOMETOC, Deputy Head of Department of Military Geography and Meteorology, University of Defence, CZE
Mr. Radim TOLASZ - Head of Climate Change Department, Czech Hydrometeorological Institute, CZE

16:35 - 16:45 **Session Closing Remarks** - LTC Josef NOVOTNÝ - Vice-chairman GEOMETOC; Deputy Head of Department of Military Geography and Meteorology, University of Defence, CZE

08:30 - 12:50 **Registration**

08:45 - 09:15 **Poster Sessions**

09:30 - 12:50 GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS) FUTURE CHALLENGES AND OPPORTUNITIES

Moderated by: Mr. Václav MISÍK - Deputy Chief of Cabinet, Deputy Chief of International Relations National Security Authority, CZE

09:30 - 09:40 **Introductory Remarks** - Mr. Radovan KLÍMA - GEOMETOC Vice-chairman, Competent PRS Authority, National Security Authority, CZE

09:40 - 10:00 **Facing the New Era of Widespread Attacks on GNSS**
Mr. Tomáš ROSA - External Consultant to National Security Authority, CZE

10:00 - 10:20 **GNSS Vulnerabilities and Potential Solutions**
Mr. Mark DUMVILLE - General Manager, Nottingham Scientific Ltd., GBR

10:20 - 10:40 **Using Multiple GNSS Constellations in Satellite Navigation**
MAJ Jiří HUBIČKA - Chief of GNSS Department, Military Geographic and Hydrometeorology Office, CZE

10:40 - 11:00 **Coffee Break & Networking**

11:00 - 11:20 **Radio Position Determination – Satellite Methods and Opportunity Signals**
Prof. František VEJRAŽKA - Faculty of Electrical Engineering , Czech Technical University in Prague, CZE

11:20 - 11:40 **GPS PPS and GALILEO PRS**
Mr. Miroslav KURIDZA - GNSS / GALILEO Advisor (DE MoD Sub-structure), DEU

11:40 - 12:00 **Implementation of the Galileo Public Regulated Service in the Czech Republic**
Mr. Radovan KLÍMA - GEOMETOC Vice-chairman; Competent PRS Authority, National Security Authority, CZE

12:00 - 12:20 **17 Years of Precise GNSS Tropospheric Products and Services from Geodetic Observatory Pecný**
Mr. Jan DOUŠA - Geodetic Observatory Pecný of the Research Institute of Geodesy, Topography and Cartography, CZE
Mr. Pavel VÁCLAVOVIC - Geodetic Observatory Pecný of the Research Institute of Geodesy, Topography and Cartography, CZE

12:20 - 12:40 **Implementation of GNSS Technology to Practical Geodesy - Coordinate System S-JTSK/05**
Prof. Jan KOSTELECKÝ - Faculty of Mining and Geology, VŠB Technical University of Ostrava, CZE
Mr. Karel RADĚJ - Director of the Research Institute of Geodesy, Topography and Cartography, CZE

12:40 - 12:45 **Session Closing Remarks** - Mr. Radovan KLÍMA - GEOMETOC Vice-chairman, Competent PRS Authority, National Security Authority, CZE

12:45 - 12:50 **Workshop Closing Remarks** - COL Jan CÍREK - GEOMETOC Chairman; Chief of Hydrometeorological Service, General Staff, Czech Armed Forces, CZE

12:50 - 13:30 **Lunch & Networking**

*Designated time for a presentation includes time for questions from the audience.
The order of speakers and timings may be changed.*

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