

Programme of the EUREF 2021 Symposium

May 26th–28th, 2021, Ljubljana, Slovenia

Day 1 – Wednesday, May 26 th		
08:45–09:00	Registration	
09:00–10:30	Opening Session	Chair: Martin LIDBERG
09:00–09:06	Tomaž PETEK	Welcome address by the Director General of the Surveying and Mapping Authority of the Republic of Slovenia
09:06–09:12	Zoran STANČIČ	Welcome address on behalf of the European Commission Directorate General for Communications Networks, Content & Technology – DGCNECT
09:12–09:18	Ingrid VANDEN BERGHE	Welcome address on behalf of the United Nations Committee of Experts on Global Geospatial Information Management – UN-GGIM
09:18–09:24	Zuheir ALTAMIMI	Welcome address by the President of the International Association of Geodesy – IAG
09:24–09:30	Carine BRUYNINX	Welcome address by the President of the IAG Sub-Commission 1.3 – Regional Reference Frames
09:30–09:36	Martin LIDBERG	Welcome address by the Chairman of the IAG Sub-Commission 1.3a – EUREF
09:36–09:48	Wolfgang SÖHNE	Goals and Activities of the EUREF Governing Board
09:48–10:00	Martin LIDBERG	The EUREF Strategy
10:00–10:30	André BAUERHIN	Keynote Talk: Spaceopal's Services for Galileo and the Exploration of GNSS Applications
10:30–11:00	COFFEE BREAK	



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA



GEODETIC INSTITUTE OF SLOVENIA



University of Ljubljana
Faculty of Civil and
Geodetic Engineering



IUGG



IAG-AIG

International Association
of Geodesy



11:00–12:00	Session 1 – Systems: ETRS89, EVRS, Geoid and Related Models	Chairs: Zuheir ALTAMIMI, Markku POUTANEN
11:00–11:15	Zuheir ALTAMIMI et al.	Preparatory Analysis for the ITRF2020
11:15–11:30	Dimitrios AMPATZIDIS et al.	The Consistency Among Different Terrestrial Reference Frames in Greece: The Crucial Role of ETRS89 and the Accurate Velocities Estimation
11:30–11:45	Elmar BROCKMANN, Simon LUTZ	EU Dense Velocity Project: Status and Steps towards a European Deformation Model
11:45–12:00	Romain FAGES et al.	RGF93v2b: A New Realization of the French Coordinates Reference System
12:00–13:00	BREAK	
13:00–14:30	Session 1 – Systems: ETRS89, EVRS, Geoid and Related Models	Chairs: Markku POUTANEN, Zuheir ALTAMIMI
13:00–13:15	Rossen GREBENITCHARSKY et al.	Validation of Transformation Grids for the Territory of Bulgaria
13:15–13:30	Juliette LEGRAND et al.	Guidelines for EUREF Densifications
13:30–13:45	Juliette LEGRAND, Carine BRUYNINX	On-Line Reference Station Selection Tool
13:45–14:00	Martina SACHER et al.	Status of the European Vertical Reference Frame and Planned Developments
14:00–14:15	Joachim SCHWABE et al.	Establishment of a “European Height Reference Surface”
14:15–14:30	Rebekka STEFFEN et al.	Velocity Model for Europe: Application of Least-Square Collocation
14:30–15:00	COFFEE BREAK	

15:00–16:00	Session 2 – Networks: EPN, UELN, Densification	Chairs: Elmar BROCKMANN, Carine BRUYNINX
15:00–15:15	Carine BRUYNINX et al.	Performance of the EUREF Permanent GNSS Network
15:15–15:30	Andras FABIAN et al.	M ³ G: Towards to the Interoperable GNSS Station Metadata Catalogue
15:30–15:45	Tomasz LIWOSZ, Andrzej ARASZKIEWICZ	The Report of the EPN Analysis Combination Centre
15:45–16:00	David MAYER, Philipp MITTERSCHIFFTHALER	BEV DC 2.0
16:00–16:30	COFFEE BREAK	
16:30–17:30	CEGRN Splinter Meeting	Meeting Conveners: Alessandro CAPORALI, Joaquín ZURUTUZA
16:30–17:30	Splinter Meeting	



Day 2 – Thursday, May 27 th		
09:00–10:15	Session 2 – Networks: EPN, UELN, Densification	Chairs: Carine BRUYNINX, Elmar BROCKMANN
09:00–09:15	Oskar STERLE et al.	ITRF and ETRF as a Reference Frame of Slovenian National Coordinate System
09:15–09:30	Polona PAVLOVČIČ PREŠEREN et al.	The Use of Non-National CORS in Cadastral Surveying: the Slovenian Perspective
09:30–09:45	Lotti JIVALL, Christina LILJE	Review and Update of SWEREF 99
09:45–10:00	Joaquín ZURUTUZA et al.	The Central European GNSS Research Network (CEGRN) Dataset
10:00–10:15	Ambrus KENYERES et al.	EPN Densification Working Group Status Report
10:15–10:30	Session 3 – Techniques: GNSS, Levelling, Combination	Chairs: Martina SACHER, Rolf DACH
10:15–10:30	Przemysław DYKOWSKI, Jan KRYŃSKI	Towards the Implementation of the International Gravity Reference System in Poland
10:30–11:00	COFFEE BREAK	
11:00–12:00	Session 3 – Techniques: GNSS, Levelling, Combination	Chairs: Martina SACHER, Rolf DACH
11:00–11:15	Jan DOUŠA, Pavel VÁCLAVOVIC	European Troposphere and Coordinate Estimates from Real-Time PPP Solution
11:15–11:30	Alessandro CAPORALI, Joaquín ZURUTUZA	Interoperability of GNSSs for Position, Velocity and Timing
11:30–11:45	Alessandro CAPORALI, Joaquín ZURUTUZA	Precise Orbits in Broadcast Ephemeris Form
11:45–12:00	Ulla KALLIO	The Effect of Thermal Expansion in a Small Local GNSS Network
12:00–13:00	BREAK	

13:00–13:30	Session 3 – Techniques: GNSS, Levelling, Combination	Chairs: Rolf DACH, Martina SACHER
13:00–13:15	Lennard HUISMAN	Reference Frame Validation of GNSS Services Using the National GNSS Infrastructure
13:15–13:30	Roberto CAPUA, A. FREZZA	The GISCAD-OV Project: Innovative GNSS High Accuracy Services for Cadastral Surveying
13:30–14:30	Session 4 – National Reports	Chairs: Jan KRYŃSKI, Klemen MEDVED
13:30–14:30	National Reports	Austria, Belarus, Belgium, Croatia, Czechia, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Ireland, Latvia, Lithuania, Netherlands, North Macedonia, Northern Ireland, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland
14:30–15:00	COFFEE BREAK	
15:00–16:00	Session 4 – National Reports	Chairs: Klemen MEDVED, Jan KRYŃSKI
15:00–16:00	National Reports	Austria, Belarus, Belgium, Croatia, Czechia, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Ireland, Latvia, Lithuania, Netherlands, North Macedonia, Northern Ireland, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland
16:00–16:30	COFFEE BREAK	
16:30–17:30	Splinter Meeting: Towards FAIR GNSS Data	Meeting Convener: Carine BRUYNINX
16:30–16:50	Stefanie DE BODT	Invited Talk: Introduction on FAIR Data
16:50–17:30	Splinter Meeting	



Day 3 – Friday, May 28 th		
09:00–10:30	Session 5 – Applications: Earth Sciences, Geo- Information	Chairs: Alessandro CAPORALI, Christof VÖLKSEN
09:00–09:30	Corné KREEMER et al.	Invited Talk: 3D Surface Deformation of Intraplate Europe from Thousands of GPS Velocities – Discovery of Eifel Anomaly
09:30–10:00	Athanassios GANAS	Invited Talk: GNSS for Crustal Deformation Mapping and Monitoring
10:00–10:15	Alessandro CAPORALI et al.	How Historic Seismicity and GNSS Data Can Be Merged to Generate a Time Dependent 3D Model of the Elastic Stress in the Central Apennines
10:15–10:30	Benjamin MÄNNEL et al.	Investigating GNSS-Based Surface Deformation in Germany: Preliminary Results Based on PPP
10:30–11:00	COFFEE BREAK	
11:00–11:45	Session 5 – Applications: Earth Sciences, Geo- Information	Chairs: Christof VÖLKSEN, Alessandro CAPORALI
11:00–11:15	Carine BRUYNINX	GNSS Services in EPOS' Pilot Operational Phase
11:15–11:30	Przemysław DYKOWSKI et al.	Development of Tidal Gravity Records in Poland within the Framework of the EPOS-PL Project
11:30–11:45	Guergana GUEROVA et al.	GNSS Storm Nowcasting Demonstrator for Bulgaria
11:45–12:30	Closing Session	Chair: Martin LIDBERG
11:45–12:00	Wolfgang SÖHNE	New Members of the EUREF GB
12:00–12:15	Mark GREAVES et al.	EUREF Resolutions 2021
12:15–12:20	NN	Invitation to the 2022 Symposium
12:20–12:30	Martin LIDBERG	Closing Remarks