



T7.1 - Geoscience Information and Data in Africa	<i>Date</i> Monday, 29 August 2016	<i>Time</i> 14:00 to 15:30
	<i>Chair</i>	<i>Room</i> MR 2.44 - 2.46

Times		Paper # Title	Speaker
14:00	14:15	5368 Sustainable Geoscience Information In Africa - The GIRAF Network And Its Future Development	Dr. Kristine Asch
14:15	14:30	2926 Towards geoscientific data integration: Challenges, Approaches and Implementation	Mrs. Magda Roos
14:30	14:45	5458 Harmonization of Geoscience data in Africa to enhance geoscientists interaction for knowledge transfer and exchange of experience	Mr. Mesfin Wubeshet Gebremichael
14:45	15:00	5598 Geoscience Data in Africa – Lesotho	Mr. Ishmael Hareteke Khalema
15:00	15:15	5597 Towards geospatial information partnerships within the Southern African Customs Union	Mr. Lopang Maphale
15:15	15:30	5398 Contribution of Geological Data to the Namibian National Spatial Data Infrastructure	Mrs. Anna-Karren Nguno

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16:00	16:15	5452 The south eastern 'basement' complex of South Sudan	Mr. Timothy Marais
16:15	16:30	4788 Historical perspective, role and challenges in the use of geosciences information in mineral resources exploitation and in planning for social-economic development in Zambia.	Mr. Vincent Kawamya
16:30	16:45	5596 The application of historical geological and airborne data in Mining Industry – case of coal sector in Mozambique	Mr. Alfredo Pontavida
16:45	17:00	5592 Importance of Geographic Information Systems (GIS) in mapping the spatial distribution, uses and impacts of neglected development minerals: Case studies in some administrative districts near Accra, Ghana	Mrs. Rosemary Okla
17:00	17:15	2328 Regional GIS based exploration targeting studies in data poor environments: A case study of gold prospectivity mapping in Nigeria	Dr. Matthew Greentree
17:15	17:30	5594 Spatial relationships between contaminated mining areas and pathological states around Kadoma, Zimbabwe	Ms. Daina Mudimbu
17:30	17:45	3388 Seismotectonic features of the African plate: The possible dislocation of a continent	Dr. Mustapha Meghraoui

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	3245 100 years of Antarctic tectonic cartography	Dr. German Leitchenkov
	5253 Development of assisted road navigation by the drainage network	Dr. talnan jean honore COULIBALY Dr Naga COULIBALY Prof Jean Paul DEROIN
	3091 3D GeoModelling: a collaborative platform for multidisciplinary interpretation	Dr. Philippe Calcagno
	2374 The Structural Map of the South China Sea ; Highlighting the Main Tertiary Events	Dr. Manuel Pubellier
	3935 A new geological map of the SE Fennoscandian Shield as a basis for the study of the evolution of the early earth crust	Dr. Aleksandr Slabunov

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08:00	08:15	3682 Eastern Asia Earthquake and Volcanic Hazards Information Map	Dr. Shinji Takarada
08:15	08:30	3687 Outlets for Distributing Geologic Maps in the Digital Age – Journal of Maps and Examples from the U.S. Geological Survey	Mr. Randall Orndorff
08:30	08:45	4139 Geological maps of the future	Dr. Cees Passchier
08:45	09:00	4226 How Cool Can Be The Migration of an Old GIS Corporate Dataset to a New System. From Coverages to Geospatial Databases.	Mr. Carlos Gabriel Asato
09:00	09:15	3385 The new tectonic map of South America (2016) at the 1:5 000 000 scale	Professor Umberto Cordani
09:15	09:30	4775 Are the Alps an alpine-type orogeny? A multi-disciplinary mapping project	Prof. Romain Bousquet
09:30	09:45	1600 Tectonic map of Northern-Central-Eastern Asia: New conception, new scientific results, new perspectives	Dr. IGOR POSPELOV
09:45	10:00	4633 The historic evolution of the global geological mapping of Africa	Dr. Philippe Rossi

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10:30	10:45	5243 Structural Map of the Caribbean	Dr. Philippe Bouysse Dr. Carlos Schobbenhaus
10:45	11:00	5416 The 1:5 Million Geological Map of South America (new edition)	Mr. Jorge Gomez Tapias
11:00	11:15	5439 International Cross-Boundary Cooperation and Integration: The Review of the International Quaternary Map of Europe (IQUAME 2500)	Dr. Kristine Asch
11:15	11:30	549 The Structural Mapping of an Ocean - data and information	Mr. Peter Miles
11:30	11:45	3743 The New Geological Map of Spain and Portugal at 1:1 000 000 scale. History, contents and development	Dr. Alejandro Robador
11:45	12:00	4629 An updated geological map of Africa at 1/10 000 000 scale	Dr. Denis Thiéblemont

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14:00	14:30	5610 Earth Observations and the Importance of Broad, Open Data Sharing Policies	Barbara Ryan	Keynote
14:30	14:45	5147 International Development of e-Infrastructures and Data Management Priorities for Global Change Research	Dr. Lee Allison	
14:45	15:00	3854 OneGeology a future subsurface interoperable platform for geoscientists and users	Mr. Matthew Harrison	
15:00	15:15	5190 An interoperability framework to address hazard and risk data as part of a trans-national spatial data infrastructure	Dr. Robert Tomas	
15:15	15:30	5286 The European Geological Data Infrastructure - EGDI	François ROBIDA	

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16:00	16:15	3848 Building thematic and integrated services for European solid Earth sciences: the EPOS integrated approach	Mr. Matthew Harrison
16:15	16:30	5285 Building geological services for the EPOS European Research Infrastructure	Mr. François Robida
16:30	16:45	3591 The Spatial Data Infrastructure for the Geological Reference of France	Dr. Marc URVOIS
16:45	17:00	4035 20 Years of Introducing Geoscientific Information Management Systems – an Experience Report	Dr. Andreas Barth
17:00	17:15	3864 Upgrading a National Data Repository to a Key Register	Mr. Stephan Gruijters

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	4594 Bayesian hierarchical approach combined with geostatistics for temperature modeling using a well-logging dataset	Mr. Lei Lu
	4005 Identification of lithological differences and similarities in the East Anatolian Fault Zone by using the remote sensing methods	Dr. Önder Gürsoy
	4019 Case Study: A Data Warehouse for a National Institute of Geological Environment Monitoring	Dr. Zhenhua Li
	5563 Multi-source three-dimension geological complex structural modelling	Prof. Mao Pan
	4458 Specialized GIS-technology for identifying ore-bearing objects, areas and expected reserves evaluation	Dr. Abish Sharapatov
	2628 Application of BEMD in Extraction of Gravity Anomaly Implying Geological Structures and Granites at Different Depths within the Bozhushan-the Laojunshan W-Sn-Ag-Zn-Cu Ore Concentration Area of Southeastern Yunnan, South China	Dr. Yongqing Chen

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08:00	08:15	1708 Lumping geology units in drill holes for simplified 3D modelling	Dr. June Hill
08:15	08:30	1709 A visual aid for interpreting and filtering down-hole gamma logs	Dr. June Hill
08:30	08:45	4108 Research on Improvements of 3-D Geological Property Modelling Methods Based on Regular Grid	Prof. Mao Pan
08:45	09:00	4302 Local Probability Density-based 3D Edge Detection Applied to an Electromagnetic Inversion of the Kevitsa Ni-Cu-PGE deposit, Finland	Mr. Tom Horrocks
09:00	09:15	3660 Analysis of geological features with artificial neural networks – methodology and examples	Dr. Andreas Barth
09:15	09:30	327 Application and validation of artificial neural network model to groundwater productivity-potential mapping	Dr. Saro Lee

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10:30	10:45	5300 From 2D maps to 3D modelling: much more than "just one more dimension"	Dr. Gabriel Courrioux
10:45	11:00	3092 On the importance of the geological architecture in 3D modelling	Dr. Philippe Calcagno
11:00	11:15	5261 Storing and delivering numerical geological models on demand for everyday Earth Sciences applications	Dr. Christelle Loiselet
11:15	11:30	4729 Modeling the Dutch subsurface: From paper product towards dissemination of a 3D-digital model	Dr. Johan Ten Veen
11:30	11:45	1691 From GeoMol to EGDI – towards the integration of regional 3D geological datasets into the European Geological Data Infrastructure	Dr. Gerold W. Diepolder
11:45	12:00	1286 Mapping of Au anomalies in drainage sediments by multifractal modeling	Mr. Behnam Sadeghi

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14:00	14:15	737 GeoSciML version 4.0 - a coming of age	Ollie Raymond
14:15	14:30	1852 Geo3DML: a public 3D geological model data exchange format	Prof. Honggang Qu
14:30	14:45	3517 EarthResourceML - the CGI-IUGS Data Standard to Deliver Mineral Resource Data	Dr. Jouni Vuollo
14:45	15:00	1256 International standardisation of geoscience terminology via CGI-IUGS vocabularies	Dr. Mark Rattenbury
15:00	15:15	3477 The use of GeoSciML harmonised layers in geological applications	Dr. Carlo Cipolloni
15:15	15:30	1944 Submission and dissemination of geological data for the territory of the Russian Federation using the CGI standards to ensure international data exchange	Mr. Leonid Chesalov

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	1287 Discrimination and mapping of REEs litho-geochemical anomalies by multi-fractal modeling	Mr. Behnam Sadeghi
	958 Spatially Weighted Principal Component Analysis to Identify Geochemical Anomalies Associated with Orogenic Gold Deposits in Northeast Jiangxi, South China	Dr. Chengbin Wang
	4448 Local Singularity Based on Gradient for Mapping Geochemical Anomalies in Gejiu, Yunnan, China	Dr. Shengyuan Zhang Dr. Wenlei Wang
	5442 GIS-Based Fuzzy Logic Mineral Prospectivity Modelling of Surficial Uranium Systems in Namaqualand region, South Africa	Mr. Abdul Osman Kenan
	1038 Mineral mapping based on spectral angle mapper and spectral distance classification with zero-crossing wavelet method	Ms. Qing Qi
	496 Application of Multithematic GIS Modelling techniques for Mineral potential mapping along the Khodana-Narnaul area as a part of the North-East extension of Khetri Copper Belt.	Mrs. Moumita Mitra Sinha Mrs. Babita Yadav
	1605 Relationship between geochemical zoning and mineralization in Qinling Mountains area, China	Dr. Zhao Jiangnan

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08:00	08:15	3998 Standardising Geoscience Data	Ms. Marcia van Aswegen
08:15	08:30	3368 Integrated representation of data on geological structure, prognosis and mineral resources location regularities, based on international formats, to ensure efficiency improvement of mineral resources development	Mr. Egor Yuon
08:30	08:45	1730 ASEAN Mineral Database and Information System (AMDIS)	Dr. Yasukuni Okubo
08:45	09:00	3878 Technical standards developments in global Geoscience: OneGeology WWW interoperability 8 years on	Dr. Tim Duffy
09:00	09:15	5593 Geoscience Information and Data in the Moroccan Geological Survey	Mr. Zoubir SKALANTE
09:15	09:30	3537 1:200 000 Geological Maps of CIS Countries in the OneGeology international project	Mr. Grigory Brekhov
09:30	09:45	3172 (Inter)Continental hydrogeological mapping at BGR for societal impact	Dr. Stefan Broda

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10:30	10:45	3475 Geohazard widget web application: how to manage data in a standard way	Dr. Carlo Cipolloni
10:45	11:00	3333 Thesaurus and DataViewer application tool – knowledge representation to define concepts and visualize geoscientific data	Ms. Christine Hoerfarter
11:00	11:15	5357 A Bayesian approach to geophysical inversion for quantifying geological uncertainty	Ms. Helen Gibson
11:15	11:30	2824 The Concept of Aquifer System Specification by the Use of Spatial Data Modelling	Dr. Tomasz Nalecz
11:30	11:45	272 t7Study of Neotectonic effects in Saurashtra Peninsula using Remote Sensing and GIS.	Dr. SANJAY DAS
11:45	12:00	2507 Employing open-source applications to develop a WebGIS for landslide inventory and early warning in Vietnam	Mr. Nguyen Ho Khanh

Times		Paper # Title	Speaker
14:00	14:15	1899 "GEOPORTAL IMK": WEB-BASED APPLICATION FOR EASY ACCESS TO SELECTED SPATIAL GEOLOGICAL DATA OF STATE GEOLOGICAL INSTITUTE OF DIONÝZ ŠTÚR, SLOVAKIA.	Dr. Marian Zlocha
14:15	14:30	5595 Using Global Datasets in Local Geomorphic Applications	Dr. Frank Eckardt
14:30	14:45	3527 Support to building of a sustainable mineral sector and facilitating responsible use of mineral resources for socio-economic development and welfare in Namibia	Mrs. Riitta Teerilahti

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16:00	17:45	3842 OneGeology – A successful Open Access model for up-to-date geoscience data using a distributed data system	Mr. Matthew Harrison

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	5415 Crustal Seismic Anisotropy of North-West Himalaya	Ms. Avanie Jain
	3042 Interactive 3D potential field modelling and visualization of complex geological structures	Dr. Hans-Juergen Goetze
	1866 The Continued Evolution of the Open Source PYGMI Project	Mr. Patrick Cole
	2165 WebGIS-based Geoinformation Sharing System for East and Southeast Asia	Dr. Joel Bandibas
	1811 A mobile app for geological/geochemical field data acquisition	Dr. Nathan Reid
	1156 Strategy for the construction of KIGAM geoscience data repository system	Dr. JongGyu Han
	1821 New computer technology for geological problems solving	Mrs. Evgenia Cheremisina

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08:00	08:15	3127 Hybrid Fuzzy Weights of Evidence and Artificial Neural Networks for Mineral Potential Mapping: A case study from the Bushveld Complex, South Africa	Dr. Abera Tessema
08:15	08:30	74 Application of fractal modelling for integration of data layers in GIS, Case study: Sharafabad-Hizehjan area (NW Iran)	Dr. Peyman Afzal
08:30	08:45	3110 New developments in Mineral Prospectivity Mapping at BRGM: an overview.	Mr. Bruno Tournalere
08:45	09:00	4129 GIS based integration of airborne magnetic, radiometric, LiDAR, soil and sediment geochemistry: A case study of the TellusSW surveys, England	Dr. Charlie Moon
09:00	09:15	1505 3D targeting based on geoscience datasets and metallogenic model in the east of Gejiu Tin Polymetallic District, China	Dr. Gongwen Wang
09:15	09:30	1120 Multifractal analysis of the strength of Cu-Au paragenetic relationships, a case study in eastern Tianshan mineral district, China	Dr. Jie Zhao
09:30	09:45	750 GIS-based mineral systems approach to mapping of prospectivity for surficial uranium deposits: a case study in British Columbia, Canada	Dr. John Carranza
09:45	10:00	3747 Application of Partial Least Squares Methods in Identifying integrated Geochemical Anomalies using stream sediment data in Northwestern Hunan, China	Mrs. Kun Wang

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10:30	10:45	1386 Gold exploration in Limpopo Province using free satellite data	Dr. Neil Pendock
10:45	11:00	2994 Identification of Element Association Anomaly and Extraction of its Ore-forming information of Southeastern Yunnan Ore Concentration Area by Using PCA combined with SVD	Ms. Luxue Qin
11:15	11:30	3025 Identification of ore-forming element association anomalies by Bi-dimension Empirical Mode Decomposition combined with Principal Component Analysis in Tengchong Block, Southwestern China	Dr. Yongqing Chen
11:30	11:45	145 A fractal measure of the spatial relationships between geological features and mineral deposits	Prof. Renguang Zuo
11:45	12:00	1571 Fuzzy logic prospectivity model for gold within the Paleoproterozoic Peräpohja Belt, Northern Fennoscandian Shield, Finland	Dr. Vesa Nykänen

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14:00	14:15	1195 Fractal/multifractal analysis in support of mineral exploration	Dr. Wenlei Wang
14:15	14:30	1127 Cost sensitive neural network-based method for mapping mineral prospectivity	Dr. Yihui Xiong