

Monday, Dec. 17, 2018		Tuesday, Dec. 18, 2018		Wednesday, Dec. 19, 2018	
8:30 - 9:15	Registration	8:30 - 9:00	Registration		
9:15 - 9:25	opening: Rafael Rebolo (the IAC Director) Johan Knapen & Olga Zamora (LOC) Dejan Vinkovic (BigSkyEarth Chair)	9:00 - 9:35	Khadija El Boucheffy (South African Radio Astronomy Observatory) "Machine Learning Applications in Radio Astronomy"		
9:25 - 10:00	Fathrahman Adam (DLR, Germany) "Book about Astro-Geo-Informatics"	9:35 - 9:50	Victor Debattista (University of Central Lancashire, UK) "Searches in chemical space"	9:30 - 10:00	Registration
10:00-10:15	Petr Skoda (Astronomical Institute of the Academy of Sciences, Czech Rep.) "Active Deep Learning in Big Spectra Archives"	9:50-10:25	Olga Zamora (Instituto de Astrofísica de Canarias) "The Apache Point Observatory Galactic Evolution Experiment"	9:25-10:00	Cristina Martínez-Lombilla (Instituto de Astrofísica de Canarias) "Going wider and deeper: the low surface brightness perspective"
10:15-10:30	Christian Muller (Royal Belgian Institute for Space Aeronomy/ B.USOC) "Guide lines for big data preservation and reuse from the PERICLES project."	10:25-10:40	Dario Hrupec (University of Osijek, Croatia) "Pulse laser calibration of Cherenkov telescopes from an airship"	10:00-10:35	Häme Tuomas (VTT Technical Research Centre of Finland) "Big Data in Earth Observation - Landscape and Methods"
10:30-10:45	Aleksandra Nina (Institute of Physics, University of Belgrade, Serbia) "Application of VLF/LF databases in improving of Earth observations and positioning by SAR and GNSS signals"	10:40-11:10	break	10:35-10:50	Darko Jevremovic (Astronomical Observatory Belgrade, Serbia) "Update on (European) LSST Ecosystem"
10:45-11:15	break	11:10-11:25	Jean Soubestre (Instituto Vulcanologico de Canarias (INVOLCAN)) "Monitoring of Teide volcano (Canary Islands) through a seismic network covariance matrix analysis"	10:50-11:05	Marie Kahounova (Charles University, Institute for Environmental Studies, Czech Rep.) "STSM results: relating remotely sensed data of catchments to in-situ data of lake water chemistry"
11:15-11:50	Herbert Haubold (Environmental Agency of Austria) "eLTER: In situ and remote sensing data and big data implications"	11:25-12:30	Poser session	11:05-11:35	break
11:50-12:05	Veljko Vujic (Astronomical Observatory Belgrade, Serbia) "Real Time Stream Processing in Astronomy"	12:30-14:00	Lunch	11:35-11:50	Lachezar Filchev (Space Research and Technology Institute, Bulgarian Academy of Sciences) "Challenges and Solutions for Utilizing Earth Observations in the "Big Data" Era"
12:05-12:20	Gor Mikayelian (Byurakan Astrophysical Observatory, Armenia) "Statistical analysis of white dwarfs' properties and new white dwarfs from Gaia"	14:00-19:00	Excursion	11:55-12:10	Lucia Marchetti (University of Cape Town, South Africa) "The Data2Dome Initiative at the Iziko Planetarium and the IDIA Visualisation Lab"
12:35-12:50	Jovan Bajčetić (University of Defence in Belgrade, Serbia) "Ionosphere Sounding Data Processing Information System (ISDPIS) – basics, potentials and perspective"			12:10-13:00	Discussion on the future of BSE (MC meeting - open session) PART 1
12:50-14:30	Lunch			13:00-14:30	Lunch
14:30-15:05	Joachim Denzler (Institute for Informatics, Friedrich-Schiller-University Jena) "Data-Driven Analysis in the Earth System Sciences: Current Status, Challenges, and Future Trends"			14:30-15:05	Mattia Vaccari (IDIA/UWC, South Africa) "The IDIA Cloud and the HIPPO Project"
15:05-15:20	Yanira Guanche Garcia (Friedrich Schiller University Jena, Germany) "BACI: Towards a Biosphere Atmosphere Change Index - Detection of extreme events in the biosphere"		POSTERS:	15:05-15:20	Alexander Gegov (University of Portsmouth, UK) "Rule Based Systems and Networks for Knowledge Discovery in Big Data"
15:20-15:35	Petar Zecevic (University of Zagreb, Croatia) "Introducing AXS: A framework for large-scale analysis of astronomical data"		Andreja Naumoski, Miroslav Mirchev (Ss. Cyril and Methodius University in Skopje, Macedonia) Learning multi-target models for finding the relationship between the atmospheric molecules and star-planet characteristics for Exo-Planets	15:20-15:35	Atanas Hristov (University of Information Science and Technology, Macedonia) "On the importance of deep learning regularization techniques in knowledge discovery"
15:35-15:50	Areg Mickaelian (Byurakan Astrophysical Observatory, Armenia) "Big Data in Astronomy and Space Science"		Andreja Naumoski, Georgina Mircheva (Ss. Cyril and Methodius University in Skopje, Macedonia) Feature selection evaluation algorithms in hunt for suitable Exo-Planet	15:35-16:05	break
15:50-16:20	break		Maria Gritsevich (University of Helsinki, Finland) et al. "Multiple-scattering modeling pipeline for spectroscopy, polarimetry, and photometry"	16:05-17:30	Discussion on the future of BSE (MC meeting - open session) PART 2
16:20-16:55	Annalisa Pillepich (Max Planck Institute for Astronomy) "Universe(s) in a box"				
16:55-17:10	Maria Gritsevich (University of Helsinki, Finland) "Account for the atmospheric conditions in meteor data processing"				
17:10-17:25	Filip Novoselnik (University of Osijek, Croatia) "Tican Observatory Transient Survey - system overview"				
17:25-17:40	Ognyan Kounchev (Institute of mathematics and informatics, Bulgaria) "Analysis of Big Data in Space Weather – an example of AstroGeoInformatics"				
17:40-17:50	break				
17:50-19:00	MC meeting (closed session)				