

→ MAPPING URBAN AREAS FROM SPACE CONFERENCE

4–5 November 2015 | ESA-Esri[®] | Frascati, Rome (Italy)

start	stop	MUAS 2015 Final Programme	speaker	Affiliation	Country	
09:00	09:30	Day 1, Wednesday 4 November 2015				
09:00	09:30	Registration				
09:30	09:30	1.0 Opening Session	Chairs: O. Arino, M. Doherty	ESA	Italy	
09:30	09:50	Welcome talk	M. Borgeaud	ESA	Italy	
09:50	10:10	S-1 Products and Mission	P. Potin	ESA	Italy	
10:10	10:30	S-2 Products and Mission	F. Gascon	ESA	Italy	
10:30	11:00	Coffee Break				
11:00	11:00	1.1 Global	Chair: T. Esch	DLR	Germany	
11:00	11:20	Global Urban Footprint – A Key Step in Characterizing the Global Human Settlements Pattern from Space	Esch, Thomas	DLR	Germany	
11:20	11:40	The Global Human Settlement Layer	Pesaresi, Martino	EC,JRC	Italy	
11:40	12:00	A Continuous Infrastructure Index for Mapping Human Settlements	Small, Christopher	Columbia University	USA	
12:00	12:20	E04Urban: Multitemporal Sentinel-1A SAR and Sentinel-2A MSI Data for Global Urban Services	Ban, Yifang	KTH	Sweden	
12:20	12:40	Mapping Infrastructure and Population for Disaster Planning in Urban Areas with Remote Sensing and Census Data	Yetman, Gregory George	Columbia University	USA	
12:40	13:40	Lunch				
13:40	13:40	1.2 European Regional and National Mapping	Chair: J.P. Cantou	IGN	France	
13:40	14:00	Copernicus High Resolution Layer Imperviousness for an operational monitoring of built-up areas throughout Europe	Christian, Schleicher	GeoVille	Austria	
14:00	14:20	Production and validation of the European Urban Atlas for 2006 and 2012	Sannier, Christophe	SIRS	Switzerland	
14:20	14:40	A comparative study with the new European Settlement Map	Florczyk, Aneta	JRC	Italy	
14:40	15:00	Use of satellite imagery for updating the French NSDI	Cantou, Jean-Philippe	IGN	France	
15:00	15:20	Using Pléiades Data for Large Scale Production of VHR Land Cover in Urban Areas of Austria	Stemberger, Wolfgang	GeoVille	Austria	
15:20	15:40	National Land Cover Data (CadasterENV Sweden) for Urban Mapping and Monitoring	Jönsson, Camilla	Metria AB	Sweden	
15:40	16:10	Coffee Break				
16:10	16:10	1.3 Tools and Platforms	Chair: F. Del Frate	Univ.of Rome Tor Vergata	Italy	
16:10	16:30	TEP Urban - Collaborative Service Platform for Earth Observation-based Exploration and Generation of Thematic Information on the Built Environment	Esch, Thomas	DLR	Germany	
16:30	16:50	VHR Land Cover Map of Rome Obtained Using a Citizen Science Approach	Del Frate, Fabio	Univ. of Rome Tor Vergata	Italy	
16:50	17:10	E0-Based Derivation of Surface Models to Support Urban Development Activities	Utenthaler, Andreas	GAF AG	Germany	
17:10	17:30	Big Data Analytics for Detailed Urban Mapping	Espinoza-Molina	DLR	Germany	
17:30	19:30	1.4 POSTER SESSION - DRINK				
09:00	09:00	Day 2, Thursday 5 November 2015				
09:00	09:00	2.5 Urban Climate	Chair: I. Keramitsoglou	NOA	Greece	
09:00	09:20	Continuous Thermal Monitoring of Cities from Space	Keramitsoglou, Iphigenia	NOA	Greece	
09:20	09:40	Urban Energy Budget Estimation from Sentinels: The URBANFLUXES Project	Chrysoulakis, Nektarios	FORTH	Greece	
09:40	10:00	Mapping urban surface characteristics for urban energy flux modelling	Heldens, Wieke	DLR	Germany	
10:00	10:20	Local Climate Zones as a new standard for mapping urban areas?	Bechtel, Benjamin	Univ. of Hamburg	Germany	
10:20	10:40	Earth Observation for Urban Climate: Mapping the Local Climate Zones	Mitraka, Zina	FORTH	Greece	
10:40	11:10	Coffee Break				
11:10	11:10	2.6 Sentinel 1 methods	Chair: P. Gamba	Univ. of Pavia	Italy	
11:10	11:30	Sentinel-1A SAR Data for Global Urban Mapping: Preliminary Results	Jacob, Alexander	KTH	Sweden	
11:30	11:50	Mapping Past and Current Urbanization by Means of ESA Radar Data - the SAR4Urban Project	Marconcini, Mattia	DLR	Germany	
11:50	12:10	Automated updating of urban land cover maps using multitemporal Sentinel-1 data	Riedel, Tanja	Friedrich-Schiller-University	Germany	
12:10	12:30	Towards a Global Built-up Area Map using Multitemporal Sentinel 1A Data	Salentinig, Andreas	Univ.of Pavia	Italy	
12:30	12:50	Automatic Generation of Updated Land Cover Maps at Decametric Spatial Resolution for the whole Italian Territory Using Satellite Data	Boutsia, Konstantina	Univ. of Rome Tor Vergata	Italy	
12:50	14:00	Lunch				
14:00	14:00	2.7 Emerging methods	Chair: Y. Ban	KTH	Sweden	
14:00	14:20	Characterizing Urbanization Processes in West Africa using Multi-temporal Earth Observation Data	Van der Linden, Sebastian	Humboldt-Universität zu Berlin	Germany	
14:20	14:40	Earth Observation in support of the City Biodiversity Index	Kleeschulte, Stefan	Space4environment	Luxembourg	
14:40	15:00	On the use of extended vegetation-impervious-soil maps from simulated EnMAP data for characterizing urban functional areas	Okujeni, Akpona	Humboldt-Universität zu Berlin	Germany	
15:00	15:20	Mapping Density with Intensity: Spatial Disaggregation of Gridded Population Density using Stable Night Light Brightness	Small, Christopher	Columbia University	USA	
15:20	15:20	2.8 CLOSING SESSION	Chairs: M. Paganini, F.M. Seifert	ESA	Italy	
15:20	15:40	Wrap up of the sessions by session Chairs				