



Workshop on

GEOPROCESSING AND ARCHIVING OF HISTORICAL AERIAL IMAGES

3-4 June, 2019

IGN headquarters

73 Avenue de Paris, Saint-Mandé, Paris, France

Program

Day 1 - June 3rd, 2019	
12:00	Lunch and registration
13:00	Welcome address and introduction to EuroSDR
Session 1: The process of digitizing and archiving	
13:10-14:30	<i>Archiving of historical aerial images: current status in Europe</i> Sébastien Giordano & Clement Mallet - IGN (France)
	<i>The digital transformation of the National Collection of Aerial Photography (NCAP): achievements to-date & next stage</i> Allan Williams - National Collection of Aerial Photography (UK)
	<i>Preservation and digitizing of historical aerial images in Norway</i> Hardy Buller - Norwegian Mapping Authority (Norway)
	<i>Analog/digital image processing of historical aerial imagery in the Italian National Photographic Aerial Archive (AFN-ICCD)</i> Elizabeth J. Shepherd - AFN (Italy)
14:30-14:45	Coffee/tea break
Session 2: R&D in geoprocessing historical images Archiving and geoprocessing	
14:45-16:15	<i>Towards fully automatic orthophoto & DSM generation</i> Arnaud Le Bris & Sébastien Giordano - IGN (France)
	<i>Machine learning methods applied to WWII aerial images</i> Emre Ozdemir - FBK Trento (Italy)
	<i>Experiences with processing and co-registration of archival image datasets</i> Maria-Valasia Peppas & Lesley Davidson - Newcastle University (UK)
	<i>Using point clouds from historical imagery for estimating site index in forestry</i> Inge Myklebust - Blom (Norway)
16:15-16:30	Coffee/tea break
Session 3: Geoprocessing and use cases	
16:30-17:30	<i>Tracasa feedback on scanning and orthophoto generation</i> Víctor García Morales - Tracasa (Spain)
	<i>Making it digital - Processing the aerial image archive of Sweden</i> Anders Bygren & Emma Hedqvist - Swedish Mapping Authority (Sweden)

	<i>The digitization of IGN's photo/cartographic archives and the web service "Remonter le temps" ("Go back in time")</i> Philippe Truquin - IGN (France)
	<i>Time Machine. Big Data of the Past for the Future of Europe</i> Bénédicte Bucher - IGN (France)
17:30	Closure of meeting day 1
20:00	Get-together dinner
Day 2 - June 4th, 2019	
Session 4: Geoprocessing and use cases	
08:15-08:30	Coffee/tea
08:30-10:30	<i>Historical orthophoto of Prague 1945</i> Patrik Meixner - Primis (Czech Republic)
	<i>Historical aerial images of Czechia - archiving and applications in landscape studies</i> Petr Dušánek - Land Survey office (Czech Republic) & Markéta Potůčková, Jindřich Hodač - Charles University, Prague (Czech Republic)
	<i>3D Glacier monitoring with historical aerial images - from 1953 to today</i> Daniela Poli, Markus Strudl, Kjersti Moe - AVT (Austria) & Christian Casarotto - MUSE (Italy)
	<i>Historical Digital Ortho of entire Lombardia region</i> Patrik Meixner - Primis (Czech Republic)
	<i>A journey through time: Digitizing, processing and publishing historical aerial imagery in Switzerland</i> Holger Heisig - Federal Office of Topography swisstopo (Switzerland)
10:30-11:00	Coffee/tea break
Session 5: R&D in geoprocessing historical images	
11:00-12:00	<i>Marked point processes for the automatic detection of bomb craters in aerial wartime images</i> Christian Kruse - Hannover University (Germany)
	<i>Automatic land cover reconstruction from historical aerial images: an evaluation of features extraction and classification algorithms</i> Rémi Ratajczak - LIRIS (France)
	<i>Automatic orientation of terrestrial and aerial archival images</i> Sebastian Flöry - TU Vienna (Austria)
12:00	Wrap up discussions / Recommendations for further work
12:30	End of meeting / Lunch