



SPACE-SI Satellite Systems & Services

Slovenian Centre of Excellence for Space Sciences and Technologies

NEMO-HD satellite video and images

T. Rodič (SPACE-SI)



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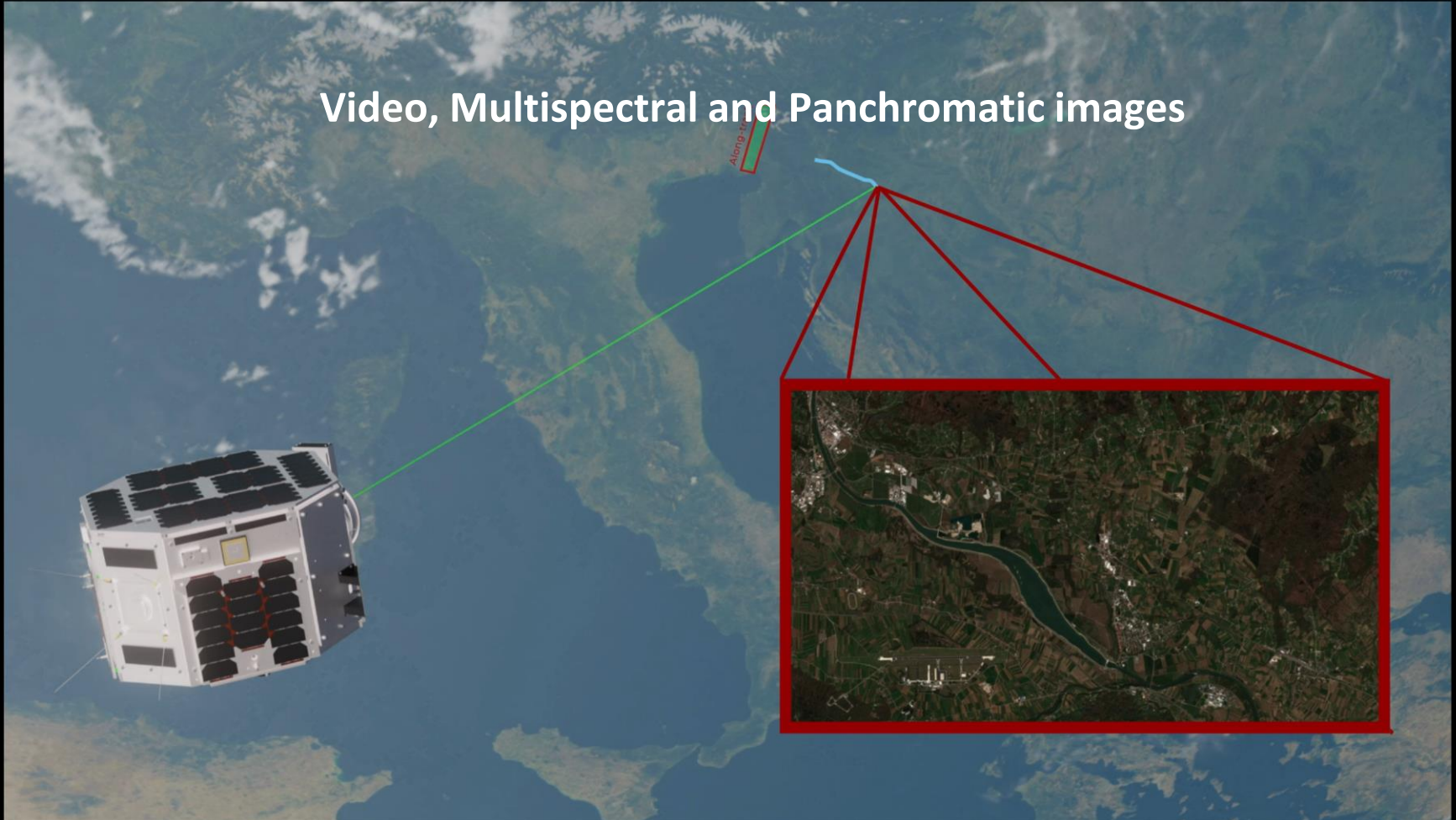
Systems

Services



NEMO-HD payloads

Video, Multispectral and Panchromatic images





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NEMO-HD

Multispectral & video

Orbit SSO 535 km

Dimensions 38 x 57 x 57 cm

Mass 60,18 kg

Apperture 155 mm

HR GSD 2,8 m / SWOT 10 km

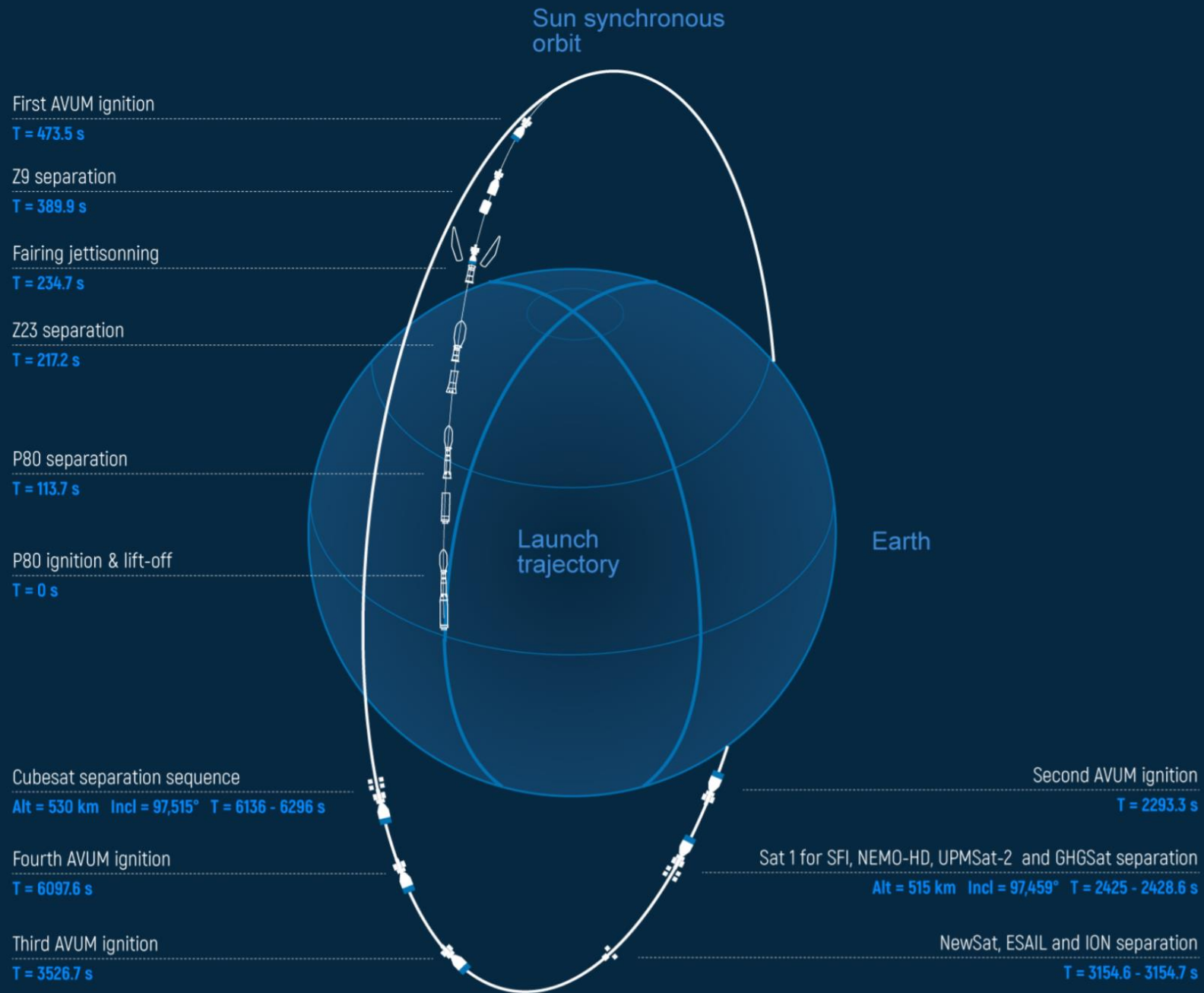
LR GSD 40 m / SWOT 70 km



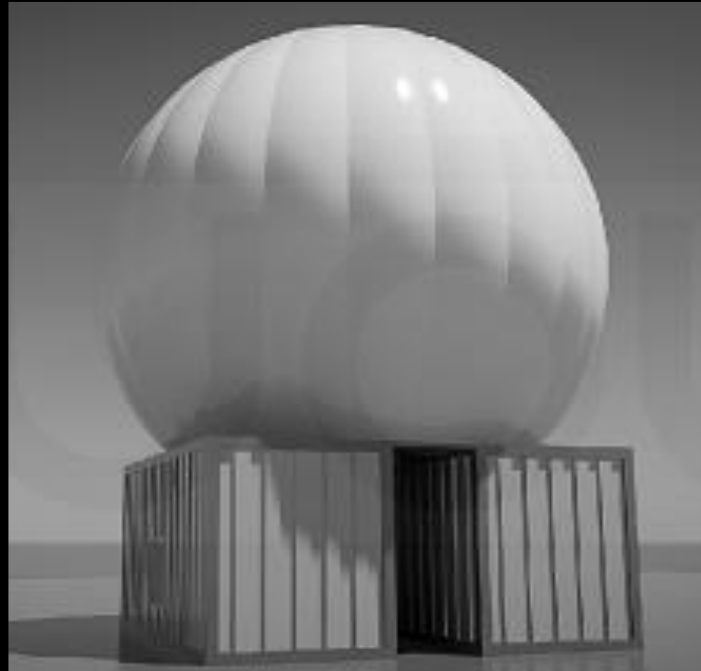


VV16 • SSMS PoC Flight - September 2, 2020





Mobile S/X/Ka band Groundstation





Mobile ground station







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Sentinel-2 (True colour) image of Frankfurt Airport

2021-02-28 00:00 - 2021-02-28 23:59, Sentinel-2 L2A, True color



Credit: European Union, contains modified Copernicus Sentinel data 2021, processed with EO Browser



Airportring

2-4

Sentinel-2



NEMO-HD

Airportring

2-4



SPACE SHUTTLE

Nemo-HD Video from Space





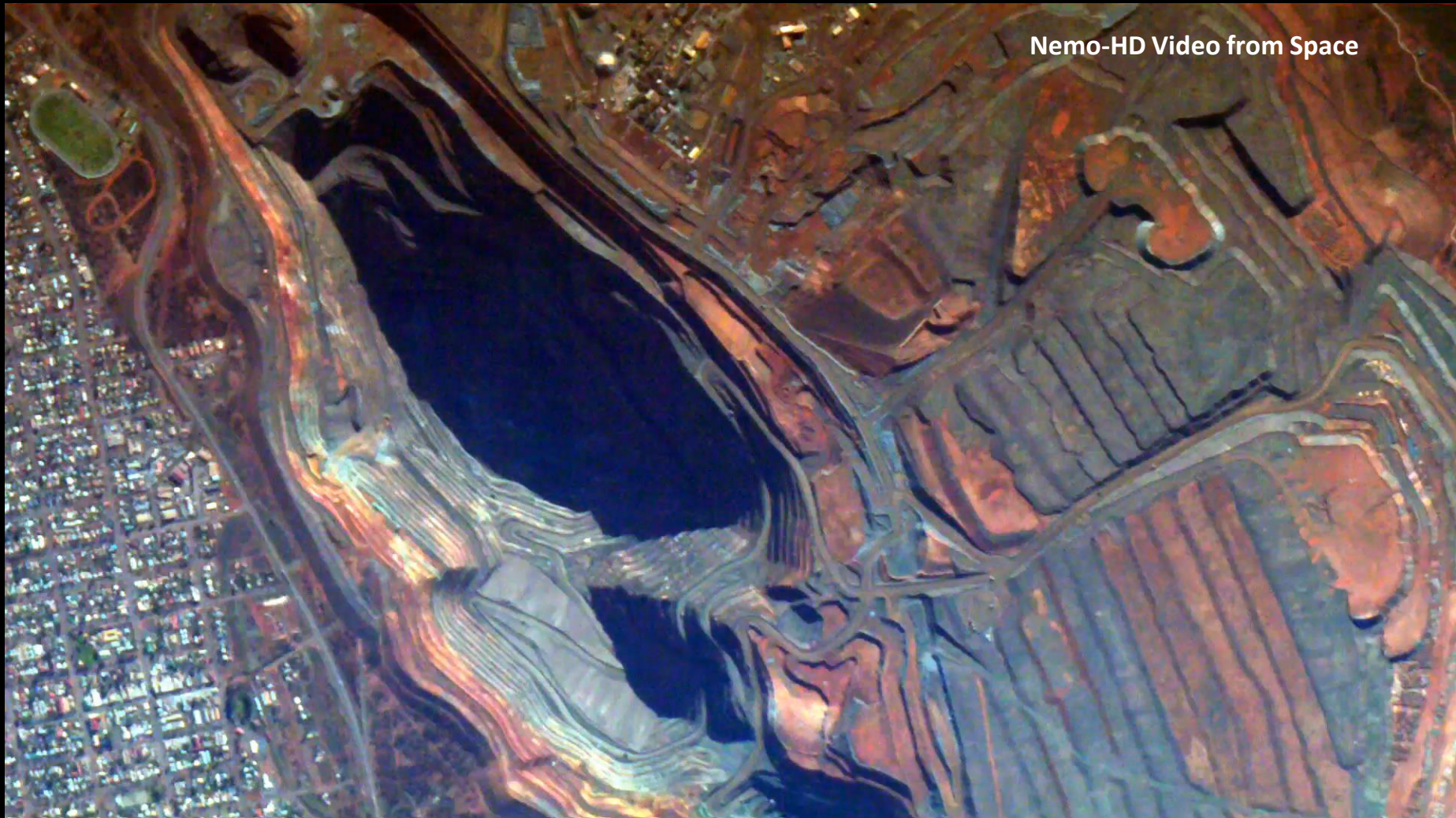
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Nemo-HD Video from Space



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Nemo-HD Video from Space

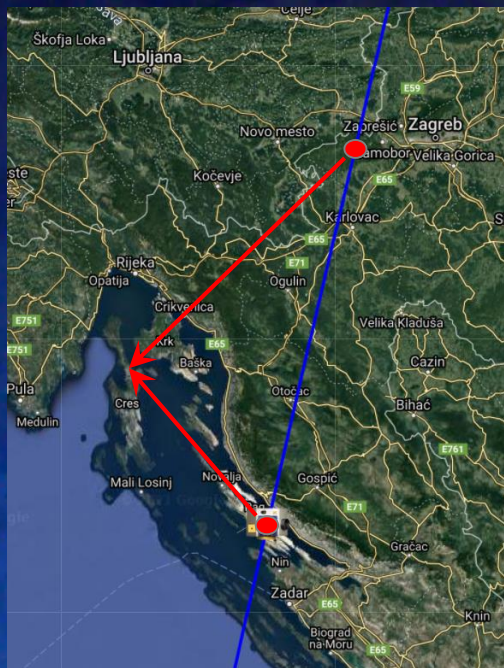




Nemo-HD Video from Space



Nemo-HD Video from Space



Nemo-HD is an Agile Multi-payload Satellite for River Basin Scanning





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Satellite Technology Challenge



River Basin Scanning Modes



Soča River Discharge

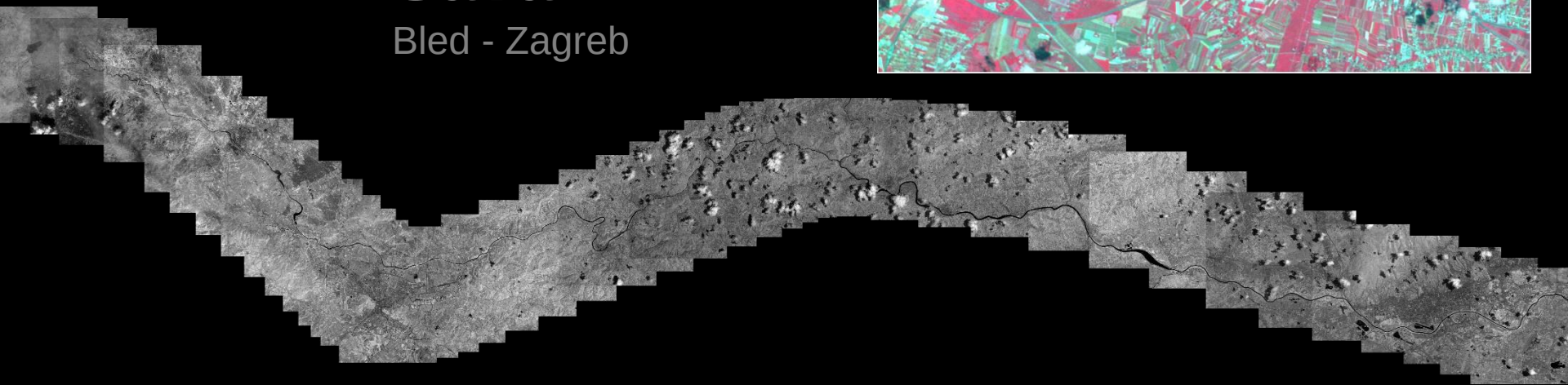
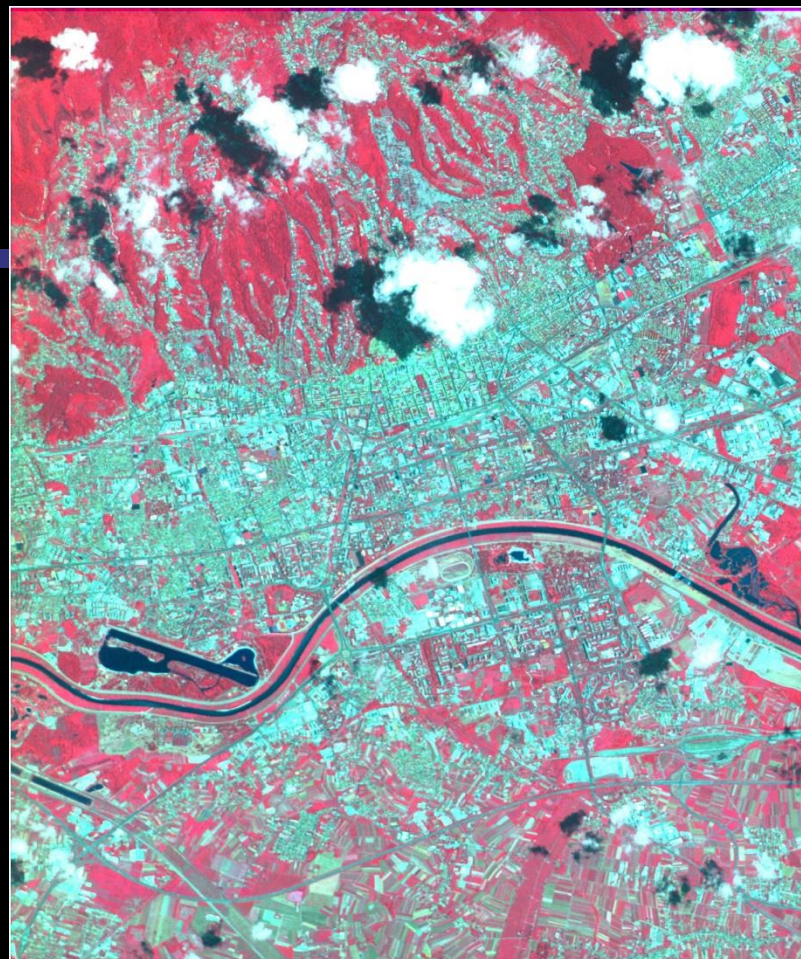




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Sava

Bled - Zagreb

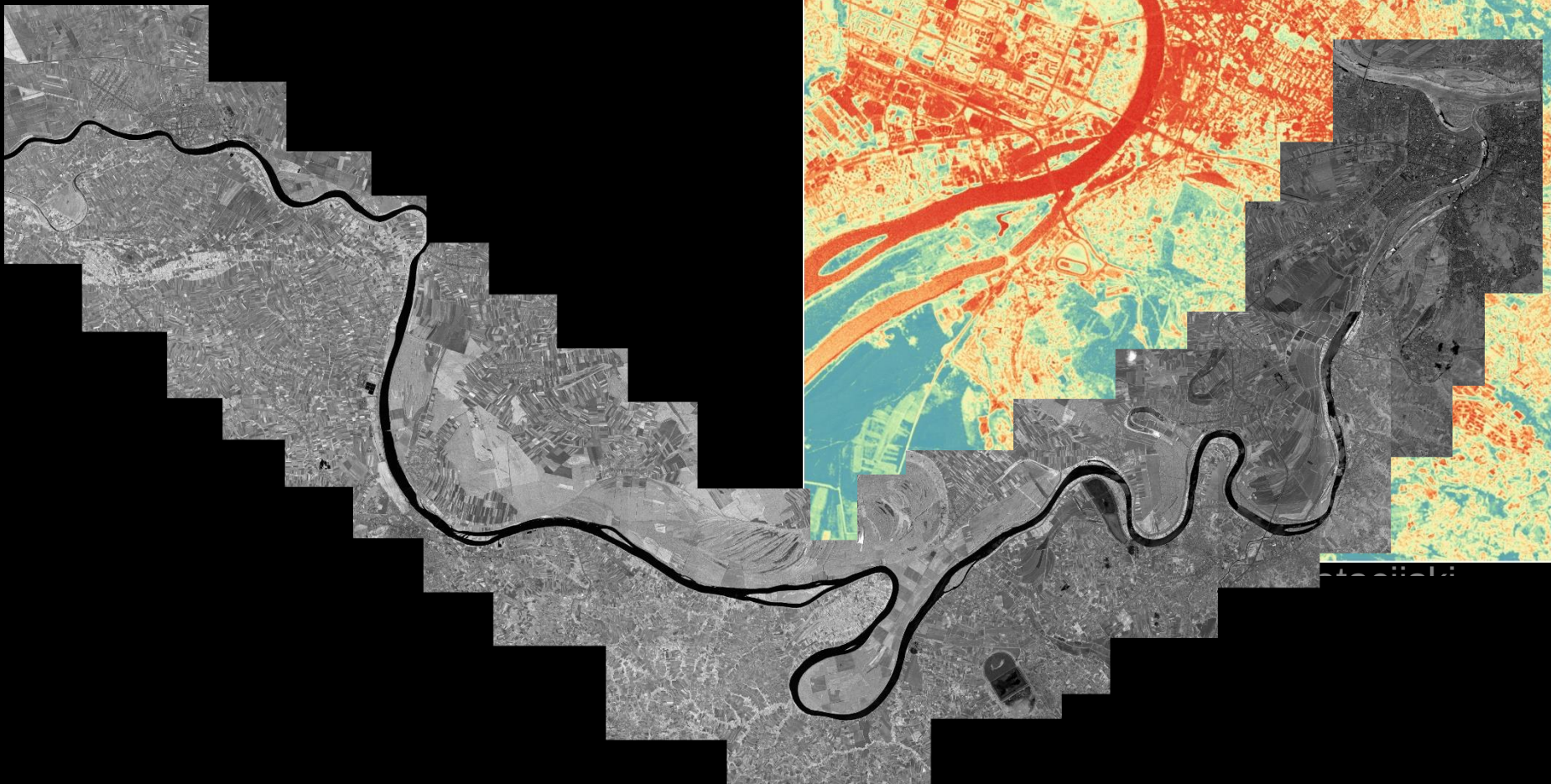




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Sava - Danube

Sremska Mitrovica to Beograd

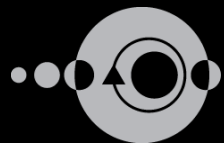


Macro



NEMO-HD satellite data

DOF, drones, on-ground sensors



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