

Copernicus CLMS workshop

Work Programme 2019



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CLIMATE CHANGE



MARINE MONITORING



ATMOSPHERE MONITORING



LAND MONITORING



SECURITY



EMERGENCY MANAGEMENT



Time line discussion WP2019

2018

- 6 February: User Forum: New products – First thoughts
- 21 March: Committee: New products – First thoughts
- 24 April: User Forum: Discussion WP19 (no budget)
- **19 June: Committee: Discussion WP19 (incl. budget)**
- Summer: Consultation Entrusted Entities, DG's EC
- 13 Sept.: User Forum: Not on agenda
- 1 October: Committee: Approval final version



Services

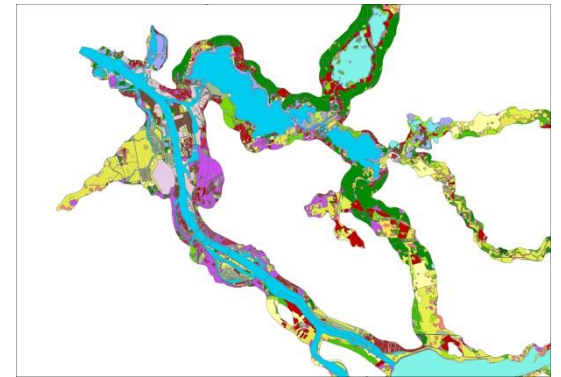
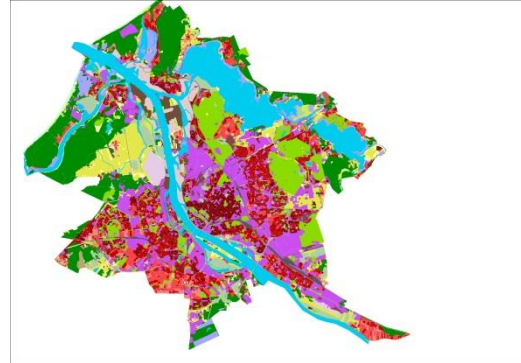
	2016	2017	2018	2019
Atmosphere	9.128	9.570	9.000	20.000
Land	19.325	13.148	28.105	29.250
Marine	19.455	20.385	21.000	32.000
Climate Change	32.380	33.945	30.000	56.700
Emergency	10.524	8.900	8.500	10.000
Security	19.083	19.040	25.200	30.540
Totaal:	109.895	104.988	121.805	178.490

In 1.000 euro



Local Component CLMS 2019

- **Urban Atlas 2018**
- **Riparian Zones 2018**
- **Coastal Zone 2018**
- **Snow and Ice service**



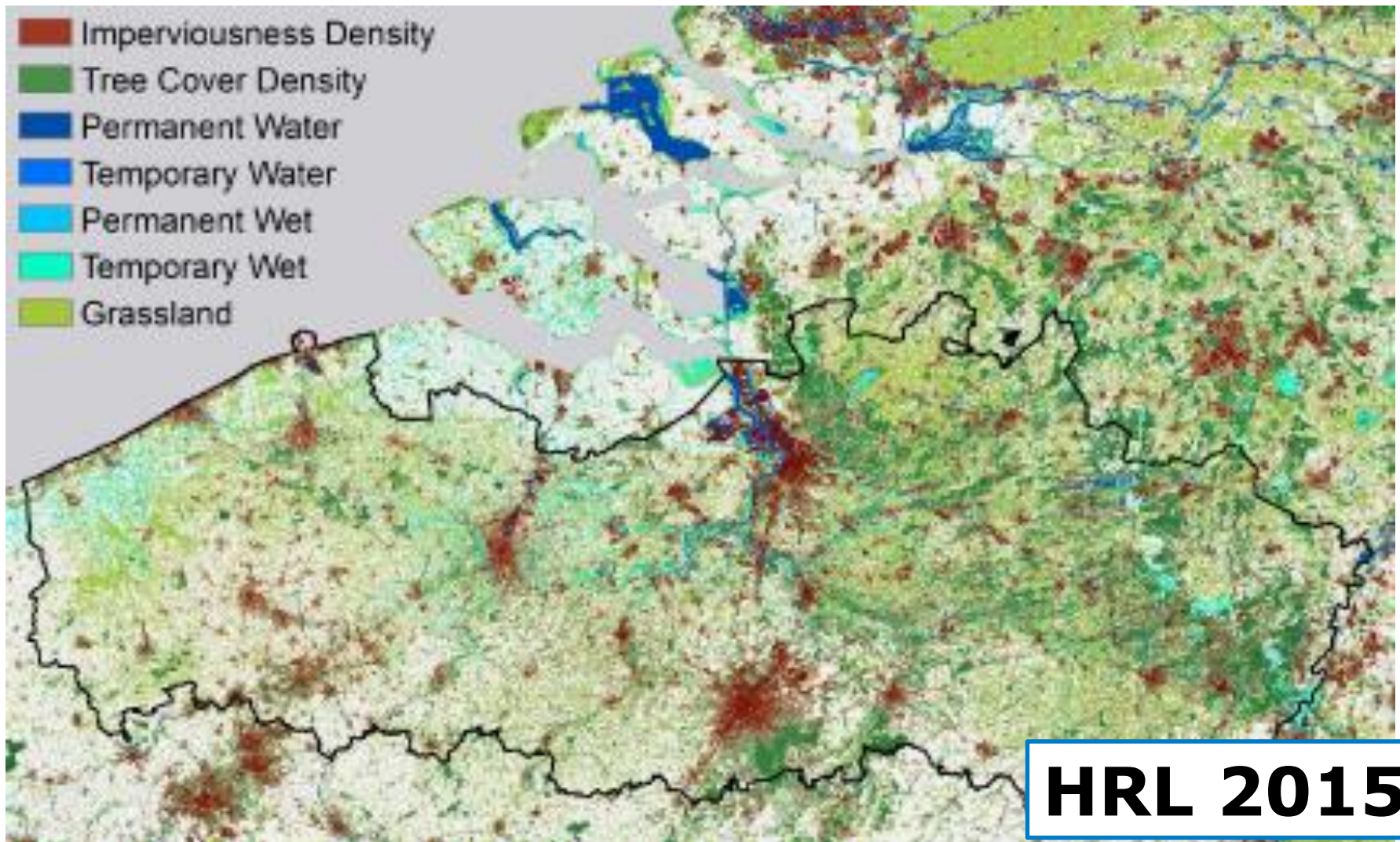
Total budget local component: 6.855.000 euro



European Component CLMS 2019

- **High Resolution Layers (HRL) 2018**
 - Imperviousness, forest, grassland, wetness, water, small woody features (2015+2018)
- **HR Phenology product**
- **Continuation of CLC+ suite deployment**
- **Ground Motion database (ramp-up)**

Total budget European component: 11.795.000 euro



HRL 2015



Global Component CLMS 2019

Continuation of two elements:

- **Biophysical variables monitoring**
 - Crop monitoring, biodiversity, water availability, cryosphere, etc.
 - 300 meter spatial resolution (-> Sentinel 3A/B)
- **Global Hot Spot monitoring**
 - Sustainable management of natural resources
 - Forest monitoring (REDD+), Rural Development projects

Total budget global component: 8.600.000 euro



Global Sentinel Analysis Ready Data

- Monthly global mosaics of Sentinel-2 + Landsat-8
- Available end of 2018
- In support of REDD+, Agriculture and environmental assessment
- Performed by ESA

Total budget: 2.000.000 euro



Other (new) services WP 2019

- Integration of S3 and S5P Atmosphere
- Continuation of 'use case' programme Atmosphere
- Migration of portfolio in Climate Data Store Atmosphere
- Climate Data Store operational Climate Change
- 22 ECV's monitored Climate Change
- Initial attribution service Climate Change
- Initial decadal prediction Climate Change
- Phytoplankton type Marine
- Wake detection Security



Data (space + in situ)

	2016	2017	2018	2019
Space Segment Development	144.054	160.333	203.293	354.186
Sentinel Launches	12.243	6.447	0	0
Sentinel Operations	159.571	160.079	171.738	165.774
Data distribution	9.391	21.550	28.315	34.265
Kosten ESA	55.400	61.200	63.100	61.300
Kosten EUMETSAT	13.894	17.317	15.754	18.992
Contributing Missions	61.261	54.999	32.017	53.483
In situ netwerk	878	4.187	1.395	1.750
Totaal:	456.692	486.113	515.612	689.750

In 1.000 euro



Communication, user requirements, etc.

	2016	2017	2018	2019
Communicatie, education, etc.	11.589	7.970	9.908	11.050
Programme evaluation	0	1.161	600	934
Evolution / user requirements	2.000	500	500	549
Space Surveillance and tracking	3.400	4.100	4.400	14.100
Totaal:	16.989	13.731	15.408	26.633

In 1.000 euro



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