



sen4cap
common agricultural policy

Final User Workshop



Focus on the new tillage detection included in the agricultural practices monitoring processor

Presenters:

Philippe Malcorps from *UCLouvain*



Members of the consortium available to answer your questions

ESA UNCLASSIFIED - For Official Use

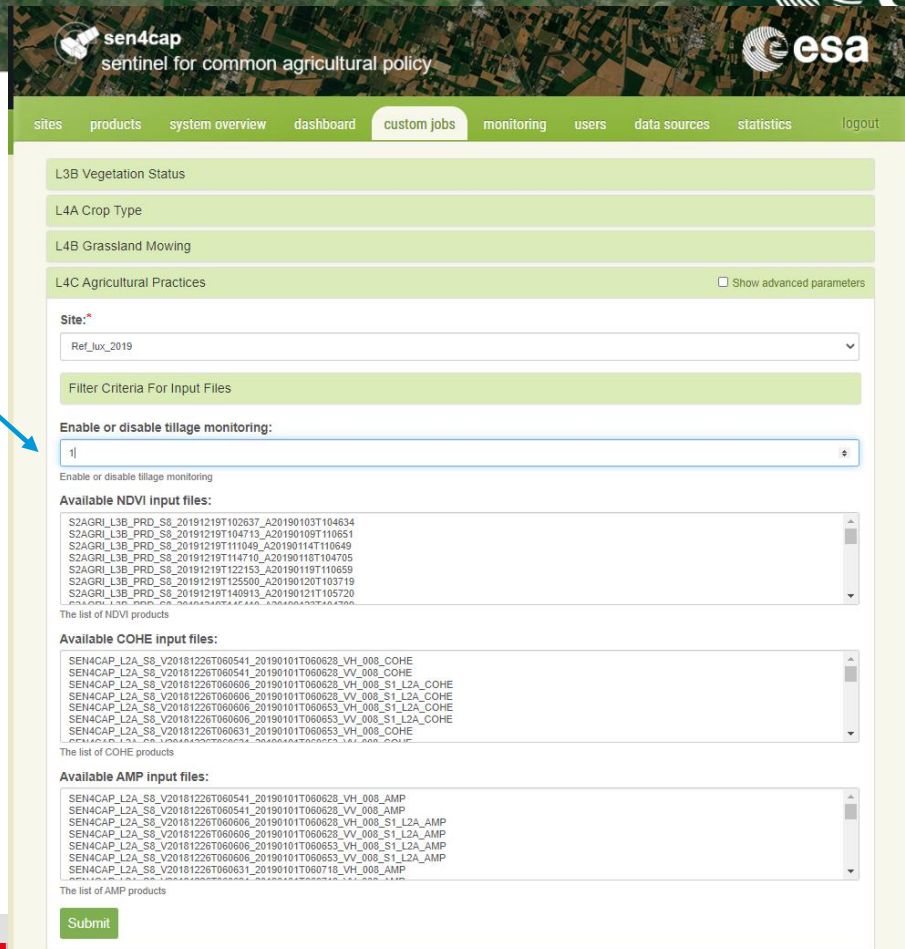


European Space Agency

Tillage detection – Launch L4C processor and enabling tillage monitoring

➤ Launch L4C processor via **CUSTOM JOBS**:

- **Enabling tillage monitoring = 1**
- Triggered directly, can select input data (tiles and dates)



sen4cap
sentinel for common agricultural policy

esa

sites products system overview dashboard **custom jobs** monitoring users data sources statistics logout

L3B Vegetation Status

L4A Crop Type

L4B Grassland Mowing

L4C Agricultural Practices ☐ Show advanced parameters

Site:
Ref_lux_2019

Filter Criteria For Input Files

Enable or disable tillage monitoring:
1

Enable or disable tillage monitoring

Available NDVI input files:

S2AGRI_L3B_PRD_S8_20191219T102637_A20190103T104634
S2AGRI_L3B_PRD_S8_20191219T104713_A20190109T110651
S2AGRI_L3B_PRD_S8_20191219T110409_A20190114T110649
S2AGRI_L3B_PRD_S8_20191219T114710_A20190116T104705
S2AGRI_L3B_PRD_S8_20191219T122153_A20190119T110659
S2AGRI_L3B_PRD_S8_20191219T125500_A20190120T103719
S2AGRI_L3B_PRD_S8_20191219T140813_A20190121T105720

The list of NDVI products

Available COHE input files:

SEN4CAP_L2A_S8_V20181226T060541_20190101T060628_VH_008_COHE
SEN4CAP_L2A_S8_V20181226T060541_20190101T060628_VV_008_COHE
SEN4CAP_L2A_S8_V20181226T060606_20190101T060628_VH_008_S1_L2A_COHE
SEN4CAP_L2A_S8_V20181226T060606_20190101T060628_VV_008_S1_L2A_COHE
SEN4CAP_L2A_S8_V20181226T060606_20190101T060653_VH_008_S1_L2A_COHE
SEN4CAP_L2A_S8_V20181226T060606_20190101T060653_VV_008_S1_L2A_COHE
SEN4CAP_L2A_S8_V20181226T060631_20190101T060653_VH_008_COHE

The list of COHE products

Available AMP input files:

SEN4CAP_L2A_S8_V20181226T060541_20190101T060628_VH_008_AMP
SEN4CAP_L2A_S8_V20181226T060541_20190101T060628_VV_008_AMP
SEN4CAP_L2A_S8_V20181226T060606_20190101T060628_VH_008_S1_L2A_AMP
SEN4CAP_L2A_S8_V20181226T060606_20190101T060628_VV_008_S1_L2A_AMP
SEN4CAP_L2A_S8_V20181226T060606_20190101T060653_VH_008_S1_L2A_AMP
SEN4CAP_L2A_S8_V20181226T060606_20190101T060653_VV_008_S1_L2A_AMP
SEN4CAP_L2A_S8_V20181226T060631_20190101T060710_VH_008_AMP

The list of AMP products

Submit

Tillage detection – Launch L4C processor and enabling tillage monitoring



➤ Launch L4C processor via **CUSTOM JOBS**:

- **Enabling tillage monitoring = 1**
- Triggered directly, can select input data (tiles and dates)

➤ Or:

- **Through the console: set the value of “processor.s4c_l4c.tillage_monitoring” key to 1, in config table (system database)**
- Launch L4C processor via **DASHBOARD**: scheduled job, using all data until the scheduled date

sen4cap sentinel for common agricultural policy

esa

sites products system overview **dashboard** custom jobs monitoring users data sources statistics logout

L3B Vegetation Status LPIS/GSAA L4A Crop Type L4B Grassland Mowing **L4C Agricultural Practices** S4C Marker Database PR1

Resource Utilization

Last Run On	never
Average Duration	00:00:00.000
Average User CPU	00:00:00.000
Average System CPU	00:00:00.000
Average Max RSS	0.00 MB
Average Max VM	0.00 MB
Average Disk Read	0.00 MB
Average Disk Write	0.00 MB

Default Configuration

cfg_upload_dir	/mnt/archive/upload/agric_practices_files/site/conf
ts_input_tables_upload_root	/mnt/archive/upload/agric_practices_files/site/its_in
default_config_path	/usr/share/sen2agri/S4C_L4C_Configurations/S4C
cfg_dir	/mnt/archive/agric_practices_files/site/year/config
data_extr_dir	/mnt/archive/agric_practices_files/site/year/data
ts_input_tables_dir	/mnt/archive/agric_practices_files/site/year/its_in
filter_ids_path	/mnt/archive/agric_practices_files/site/year/its_in
practices	NA
country	CNTRY
tsa_min_acqs_no	15
use_prev_prd	1
sub_steps	ALL,DataExtraction,CatchCrop,Fallow,NFC,Harvest
nrt_data_extr_enabled	true
ndvi_data_extr_dir	/mnt/archive/agric_practices_files/site/data_extrac

Output

Number of Products	17
Average Tiles per Product	0
Average Duration per Tile	00:00:00.000

Add New Job

Job name	Site name	Season name	Schedule type	First run time	Repeat	Action
L4C_tillage_test	CZE_2020	2020	ALL	Repeat	2020-06-01 Every 1 day of month	Save
cze_2020_2020_S4C_L4C	CZE_2020	2020	Cycle	Repeat	After 7 days	Save Delete

**Thank you for your attention
and your contribution**



sen4cap

common agricultural policy