Take-home messages



- **Automated** and **modular** Sen4CAP system ingesting S1 and S2 time series, demonstrated at **national scale** for **NRT** or off-line production, locally or on the cloud
- Download/read and pre-process S1, S2, L8 dense time series at national scale without any effort (*Cutting-edge image processing methods performed automatically with monitoring tools*)
- Produce **S1 and S2 markers over each parcel** at national scale along the season
- Interpret S1 and S2 markers in 3 advanced products suitable for CAP monitoring approach: **crop type mapping**, **grassland mowing detection** and **agricultural practices monitoring** (*Processing chains validated over 7 EU countries*)
- Access through an easy-to-use Graphical Web Interface
- Easy installation and update script between versions
- Free and open source system under a GPL licence
- Long-term maintenance of the tool ensured by ESA

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Sen4CAP online training, April 2020

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Support





Home About - Approach - Data & Tools - Resources - News Forum

MAIN OBJECTIVES

Aims at providing to the European and national stakeholders of the CAP validated algorithms, products, workflows and best practices for agriculture monitoring relevant for the management of the CAP.



Website

http://esa-sen4cap.org/



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http://esa-sen4cap.org/content/technical-documents

Technical documents

System User Manual

System Software User Manual 1.1

Quick User Guides

- Quick user guide for Crop Diversification use case 1.2
- Quick user guide for Ecological Focus Area (EFA) use case 1.0
- Quick user guide for Permanent Grassland use case 1.1

Algorithm Theoretical Basis Documents (ATBD)

- ATBD for L4A crop type mapping 1.2
- ATBD for L4C agricultural monitoring product 1.2
- ATBD for L4B grassland mowing detection product 1.2

System Installation and Configuration

This section is dedicated to discussions and questions related to the system installation and system configuration. Please have a look to the FAQ section of the Sen2-Agri web site for generic questions and configuration tricks.

Use of Graphical User Interface

This section is dedicated to discussions and questions related to the use of the Graphical User Interface of the Sen2-Agri system.

Atmospheric Corrections Processor (MACCS)

The Atmospheric Correction Processor category regroups all threads about the operation of this processor tails automatically triggered by the Ser2-Agin orchestrator after a Sentinel-2 or Landsat 8 product is successfuly downloaded. It produced Level-2A images, i.e. bottom-ofatmosphere reflectance...

Cloud Free Composite Processor

Biophysical Indicators Processor

Cropland Mask Processor

Crop Type Map Processor

Miscellaneous

Topics that don't need a category, or don't fit into any other existing



https://forum.esa-sen4cap.org/

Online documentation

Topic

¢	∓ Welcome to Discourse	0 Nov '17
В	Deleting Products in Se2Agri Use of Graphical User Interface	2 20m
N	General questions about sent2agri General Discussions	2201
Ū	Custom processing orders stays as "submitted" System Installation and Configuration	16 201
A	How to change the format of L3B products Biophysical Indicators Processor	2 70
V	MACCS: reprocessing processed files Atmospheric Corrections Processor (MACCS)	(80
C	Centos boot error after running sen2agri System Installation and Configuration	1 13c
В	Queries on downloader processor General Discussions	2 130
C	Deleting .log files in dwn_def folder	3

European Space Agency