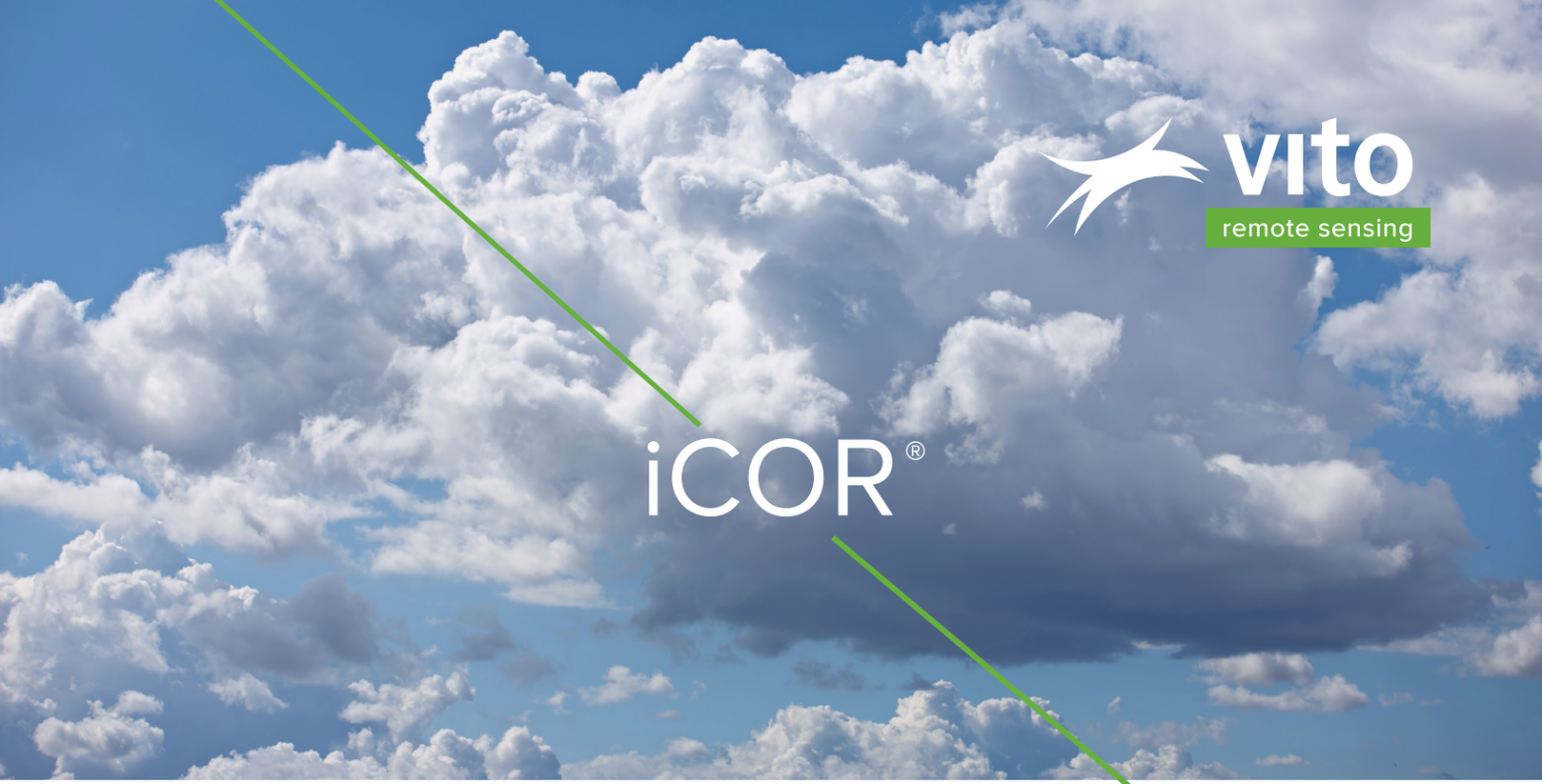


vito
remote sensing

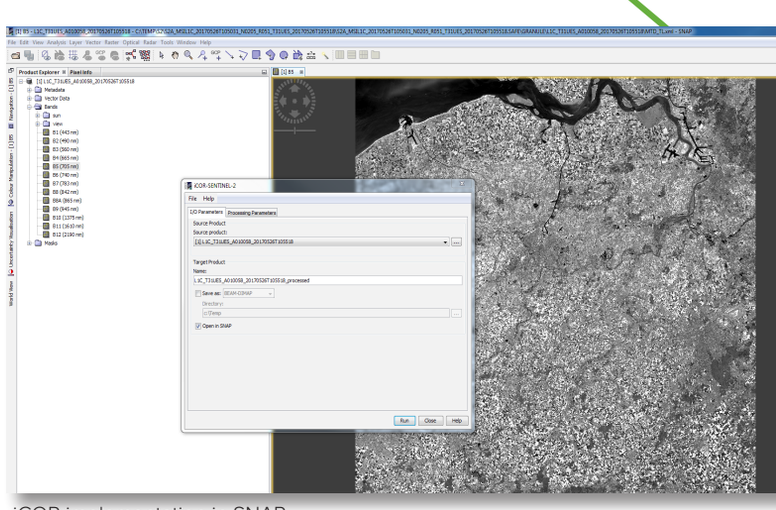
iCOR®

ATMOSPHERIC CORRECTION SOFTWARE

iCOR – allows you to correct satellite and airborne images for atmospheric effects

A MULTI-SENSOR PLATFORM

- Atmospheric correction improves the contrast in your scenes which is important for any **object recognition**
- As the largest part of the image information is coming from the atmosphere, **atmospheric correction** is important to **retrieve quantitative information** from your scenes.
- Each scene is imaged under different atmospheric conditions. For multitemporal analysis, the **effect of the atmosphere** has to be corrected



iCOR implementation in SNAP

iCOR is **configurable for any optical sensor** and can be used over **multiple targets**.

- Sentinel-2
- Landsat-8
- Sentinel-3
- Airborne hyperspectral
- MERIS
- PROBA-V

- Inland waters
- Coastal waters
- Transitional waters
- Land

➔ *configurable for the sensor of your choice*

VITO REMOTE SENSING

blog.vito.be/remotesensing
remotesensing.vito.be

LAND-WATER INTERFACE

iCOR corrects for adjacency effects. These effects lower the contrast at the water-land boundary and can be prominent up to several kilometers from the shore. The methodology is presented in Sterckx et al., 2012* and Sterckx et al, 2015*.

RELIABLE AND FAST PROCESSING TO IMPROVE CONTRAST AT LAND-WATER INTERFACE

SCIENTIFICALLY SOUND

iCOR has been validated in the framework of several European projects by VITO and partners. An independent validation was performed by ESA-NASA (ACIX) on various sites over the world.

iCOR validation sites

OPERATIONAL SOFTWARE

iCOR runs as a stand alone application but can also be integrated in an operational environment. iCOR is also integrated in:

- **Terrascope**, the Belgian collaborative ground segment
  www.terrascope.be
- **WatchItGrow**, a service for the potato industry
  www.watchitgrow.be
- **Highroc**, a processing chain for coastal waters
  www.highroc.eu

WHAT WE OFFER

iCOR-basic

FREE - For training and basic atmospheric image processing. Teach & train in a few steps.

- Test version for Landsat-8 and Sentinel-2
- Available in the SNAP toolbox
- For researchers and students to test different functionalities

iCOR-professional

ADVANCED - An advanced stand alone processing module for business professionals.

- Customized version for Sentinel-2, Landsat-8, Sentinel-3 (OLCI), PROBA-V, MERIS and airborne sensors
- Tailored developments for new sensors
- Customized user interface
- Customized funtionalities
- For business experts

iCOR-premium

CUSTOMIZED - A professional iCOR module as part of your processing workflow.

- More than atmospheric correction: cloud screening, glint screening, ...
- Completely automated from raw data to end products
- Customized user interface
- Customized funtionalities
- For business experts

Request a training (between 2-8 hours) on atmospheric correction and use of iCOR-basic

** Sterckx et al., RSE, 2015 | * Sterckx et al., IJRS, 2011*

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