

INDES

Product User Manual - Radar 1

Reference: IN-WP6.2-PUM-300

Nomenclature: -

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Index Sheet:	
Context:	
Keywords:	[Mots clés]
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Company	Means of distribution	Names
CLS	Notification	CLS Management review team
CLS	Soft copy	CLS INDES team
Balitbang KP	Soft copy	Balitbang KP INDES team

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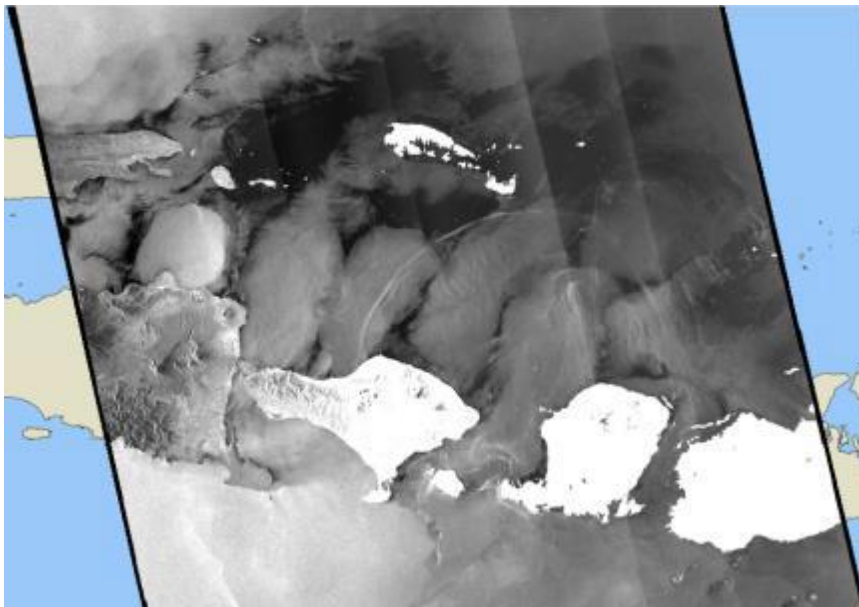
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1. PURPOSE

This document presents the information needed by users for the radar 1 products provided in the frame of the Indeso project.

This document is organized as follows:

- Chapter 2; processing: input data and method applied.
- Chapter 3; the product description, with the different files provided, the nomenclature
- Chapter 4; how to download products.



2. PROCESSING

The level-1 Radar product is the image generated from the satellite signal.

2.1. INPUT DATA

Images are taken from Radarsat-2 satellite.

2.2. METHOD

The Radar level 1 data are produced from the Radar level 0 raw data by the Radar Terminal. Raw data corrections, sensor-specific corrections and SAR focusing to transform raw SAR data into georeferenced imagery are applied.

Radar level data are georeferenced as well as radiometrically and geometrically corrected high-precision digital imagery products.

The Radar level 1 data has to be further processed or analyzed to retrieve value-added products such as pollution at sea, vessels and wind field.

3. DESCRIPTION OF THE PRODUCT SPECIFICATION

3.1. PRODUCT GENERAL CONTENT AND SPECIFICATIONS

The products and datasets are available for a given user depending on the user profile.

Dataset Name	Dataset time coverage	Production frequency	Geographical coverage	Spatial Resolution	File format
Radar level-1 image	time coverage of the dataset	on demand	spatial coverage of the dataset	depends on the acquisition mode	RS2 native product format (TIFF + metadata in XML)

Table 1: Radar level 1 datasets

3.2. ACKNOWLEDGMENTS

Original INDESO Products - or Value Added Products or Derivative Works developed from INDESO Products including pictures - shall include the following credit conspicuously displayed and written in full:

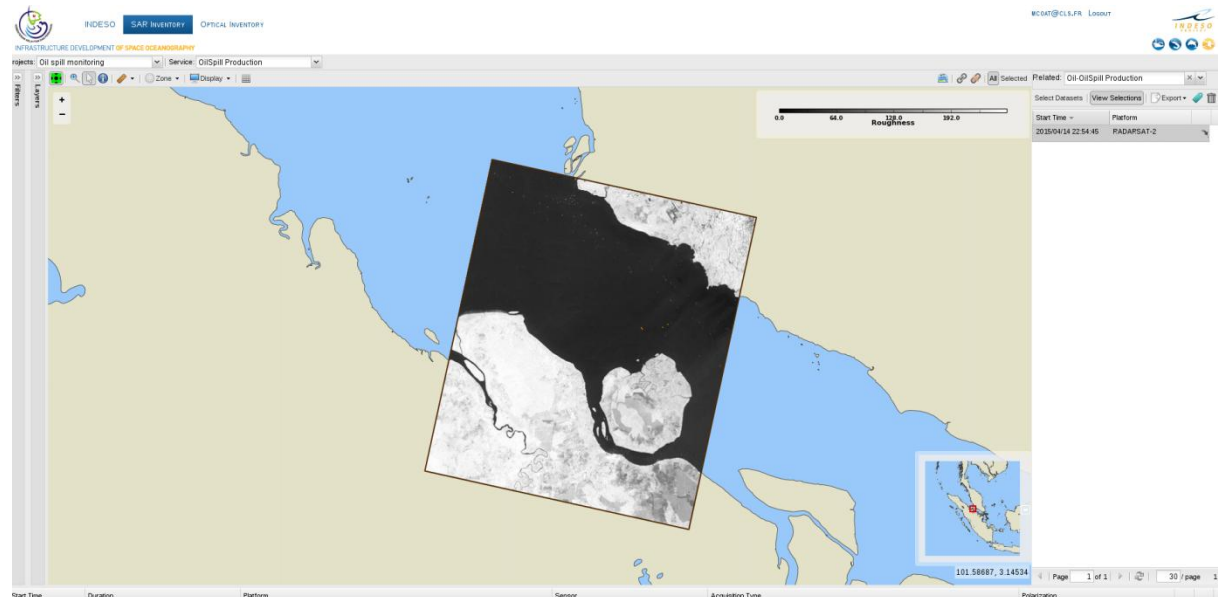
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4. HOW TO DOWNLOAD A PRODUCT

The radar product is available for visualization on Maestro INDESO web interface. The selection can be done by date, time, and technical parameters.



4.1. REGISTRATION

To access data, registration is required. During registration process, the user shall accept using licenses for the use of INDESIO products and services.

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- Data use conditions,
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