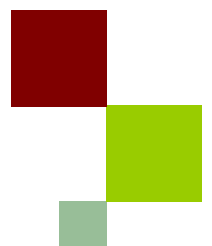




Main Cloud Mask Schema



Cloud Masking Training
Cayenne, 28-30 January 2015

Cédric Lardeux

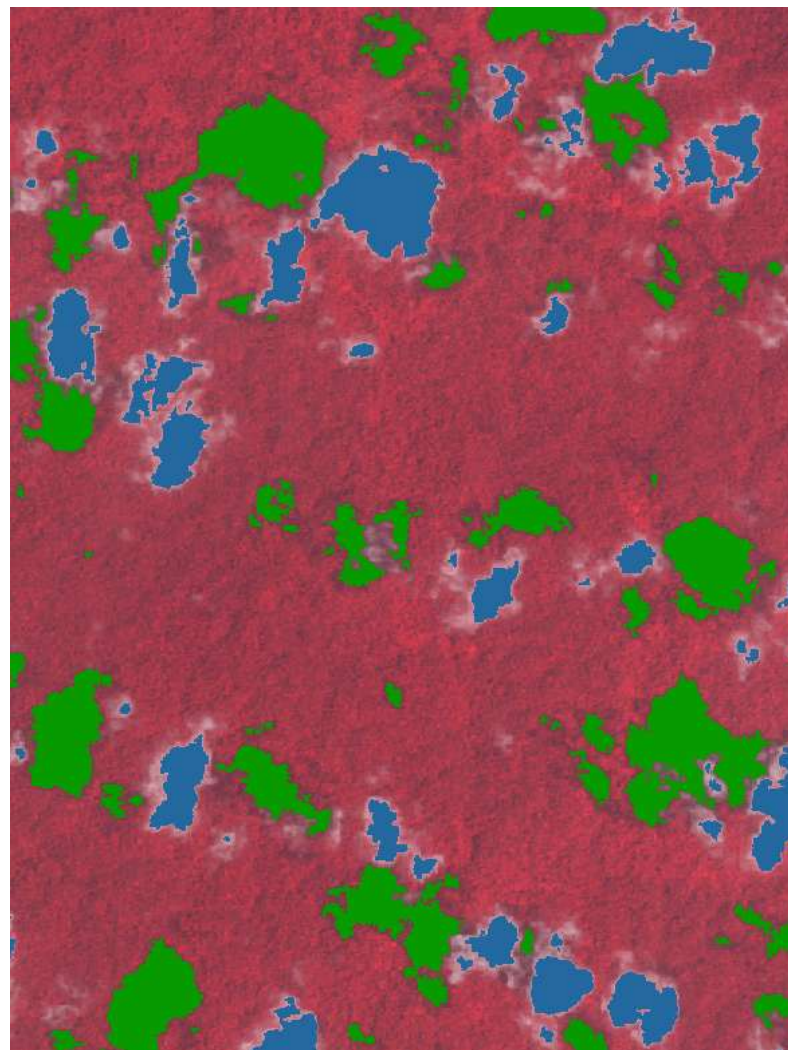
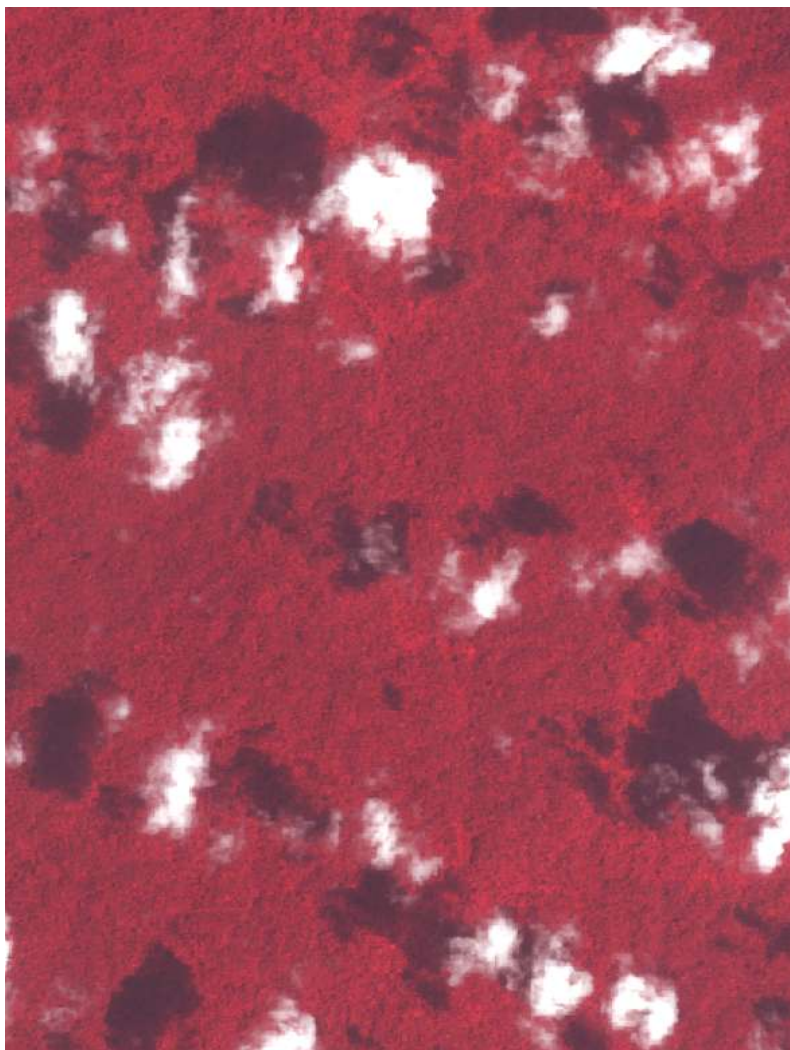
cedric.lardeux@onfinternational.com

Cécile Cazals

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CLOUD MASKING EXAMPLE



OUTLINE



I. The Team

I. Objectives

I. Processing Overview

I. Planning



The Team



- **Cédric Lardeux**

ONF International

Geomatician expert (RADAR, Optical, GIS, Open Source)

- **Cécile Cazals**

GISWAY - University of Paris Est Marne la Vallée

Geomatician (RADAR, Optical, GIS, Open Source)



Objectives

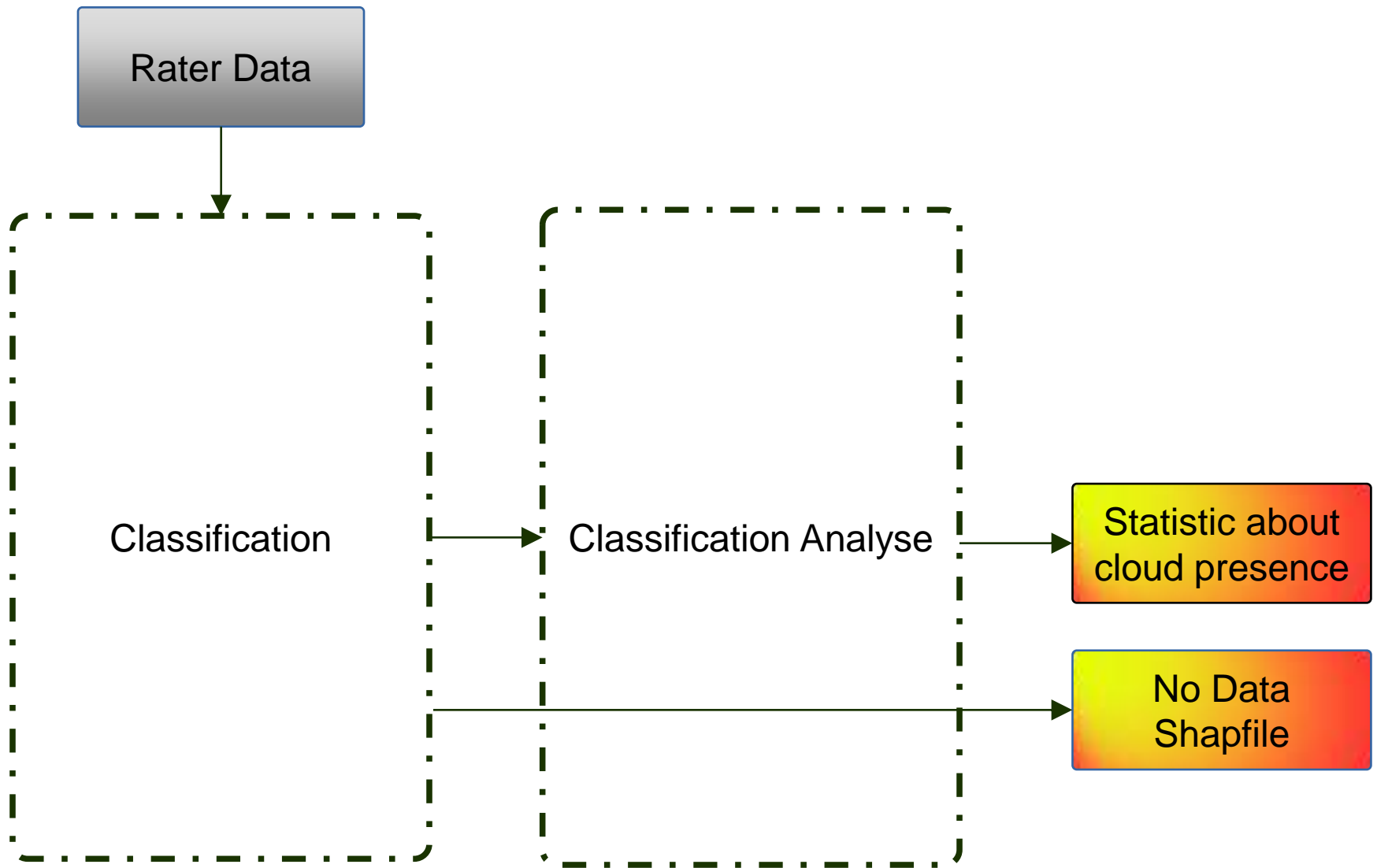


In **3 days** :

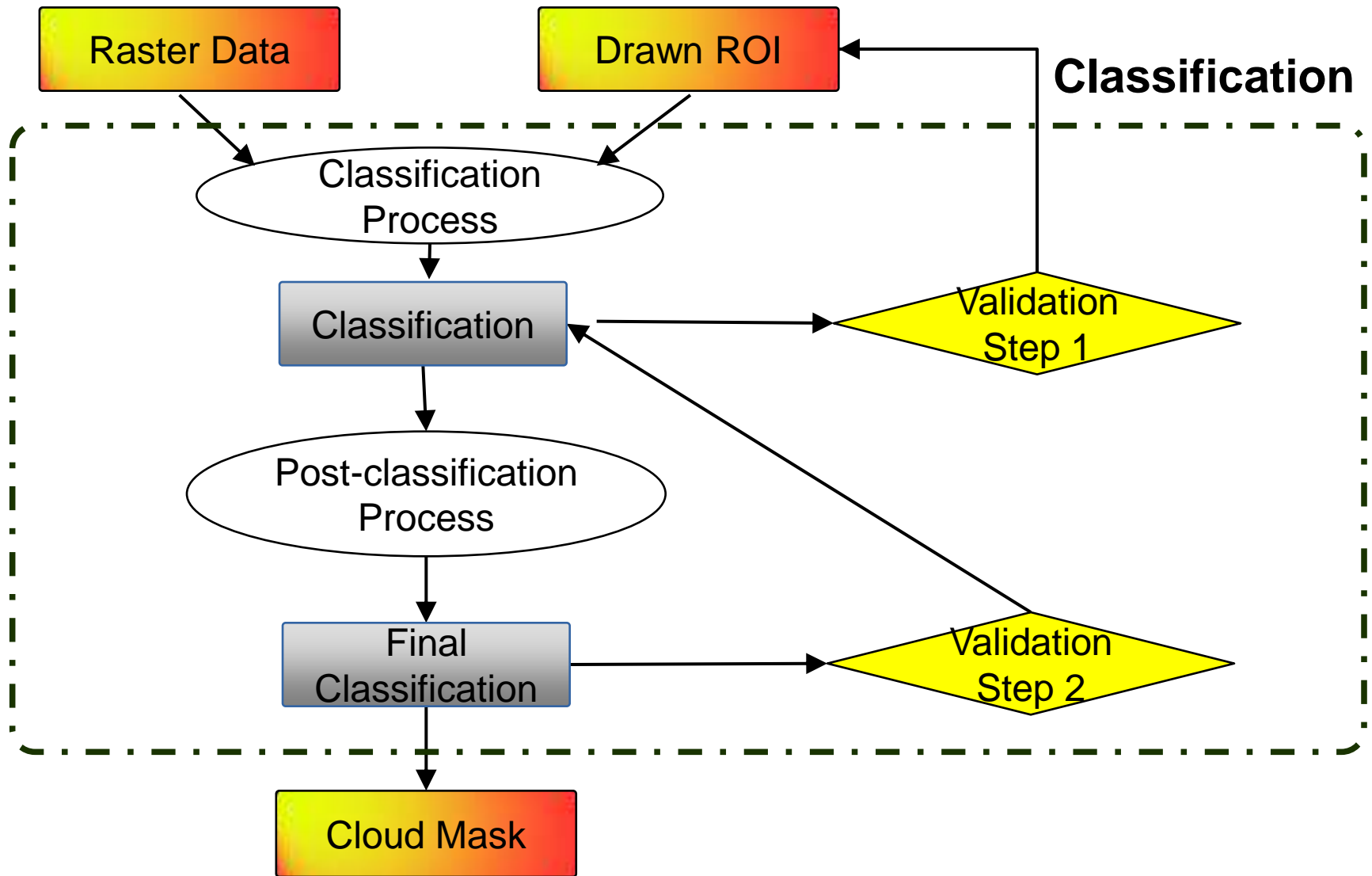
- Theoretical introduction to supervised classification methods
- Use Open Source software to produce the cloud mask
- Be able to compute statistics about cloud presence on optical data
- Create and update a no data mask



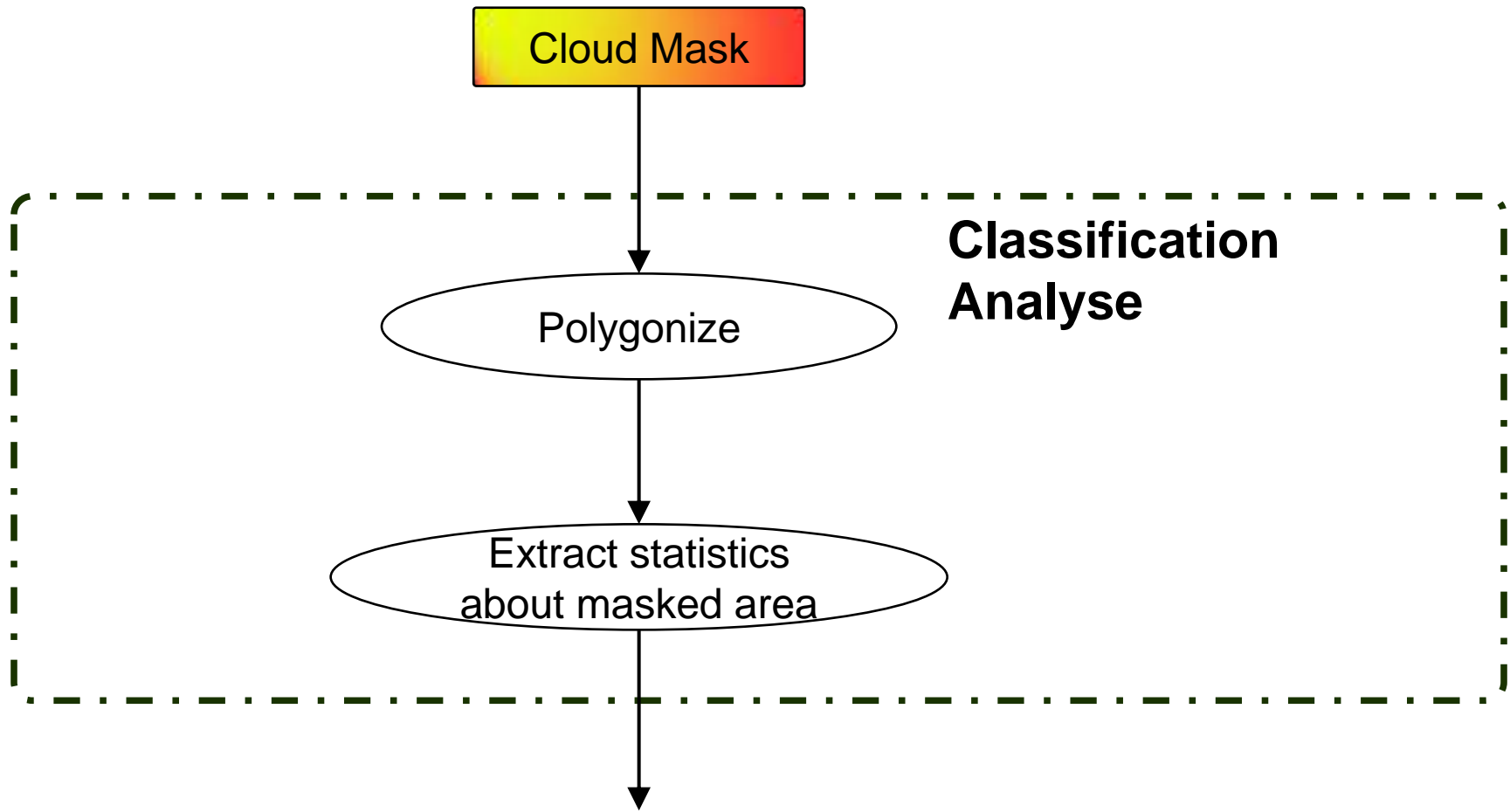
Main Processing Step



Main Processing Step : Classification



Main Processing Step : Classification Analyse





- **QGIS** : GIS software
- **OTB** (Orfeo Toolbox): Remote Sensing processing (used inside QGIS)
- **Saga, Grass** : GIS software (used inside QGIS)



Cautions / Warning



- Every software, open source or not, do have bugs
- Software documentation is provided, do not hesitate to read it
- Make tests and mistakes does help you to understand better the software used

→ **MAKE YOUR OWN Experience !!!**



Planning



January 28	<p>Introduction to the training :</p> <ul style="list-style-type: none">- Introduction of Classification Methods- Data names rules and data organization- First cloud mask classification
January 29	<p>Practical :</p> <ul style="list-style-type: none">- Cloud mask post-classification- Compute statistics about covered area- Train over a second image (Same footprint, different date)- Cloud Mask update
January 30	<p>Production :</p> <ul style="list-style-type: none">- Covered area shapefile production <p>Optimisations</p>

