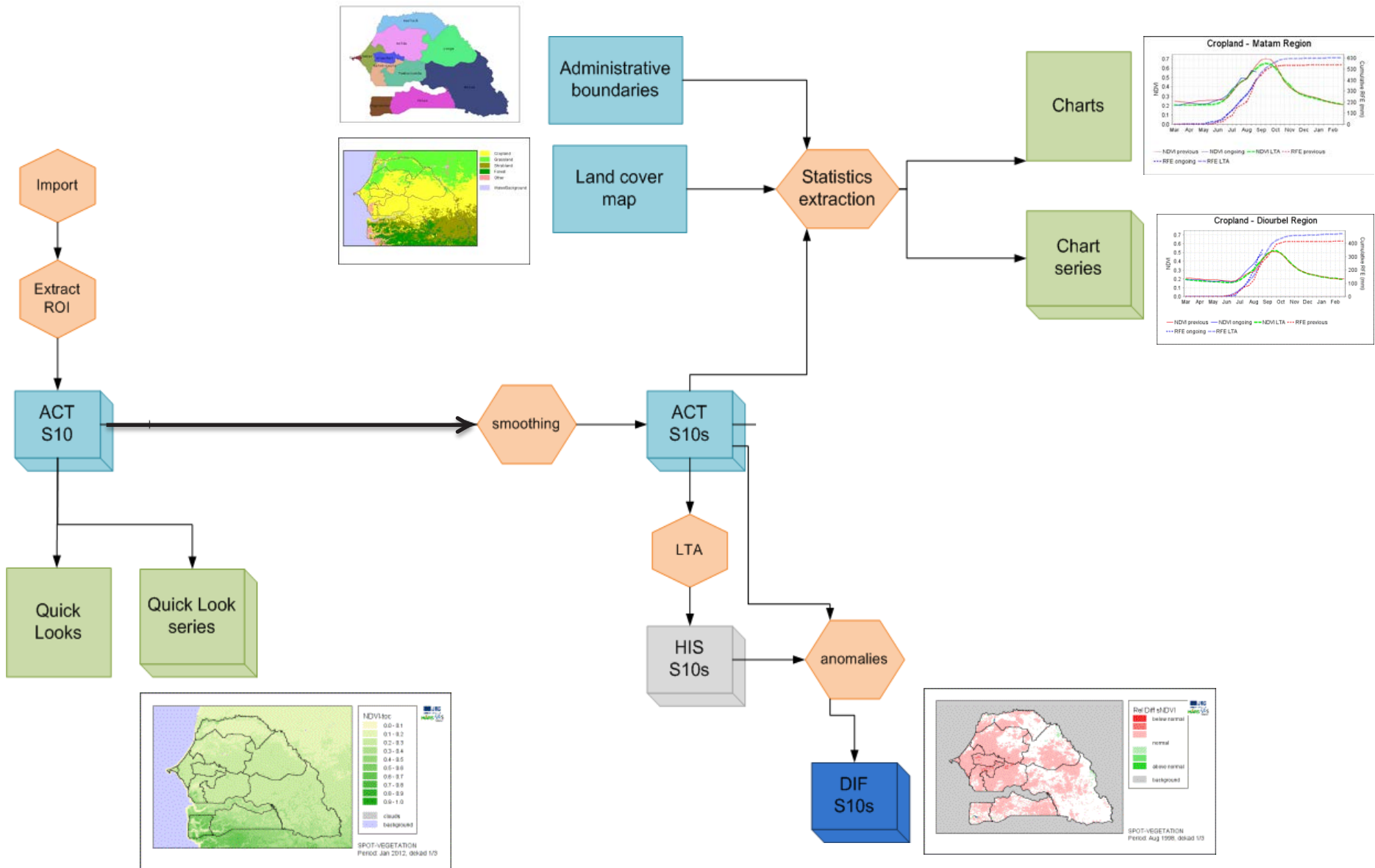
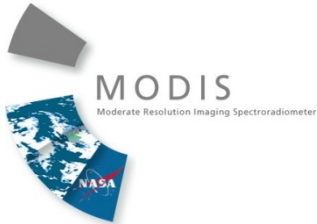
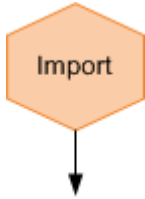


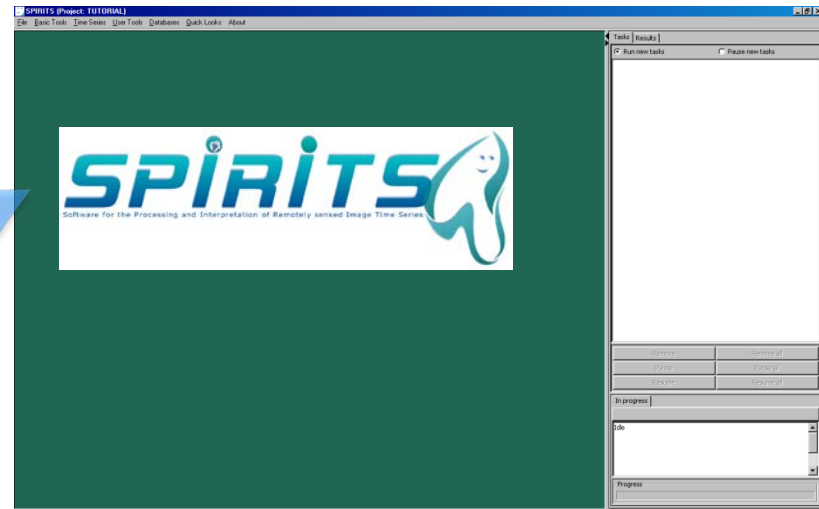
Typical SPIRITS workflow: vegetation monitoring SENEGAL



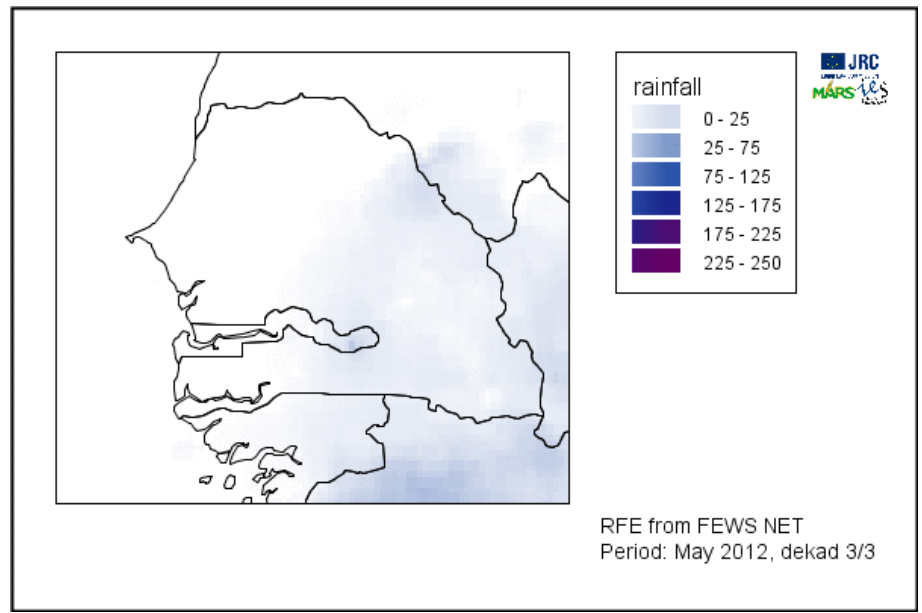
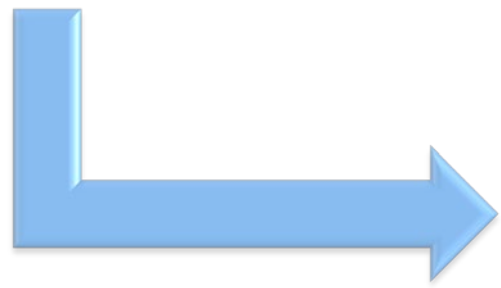
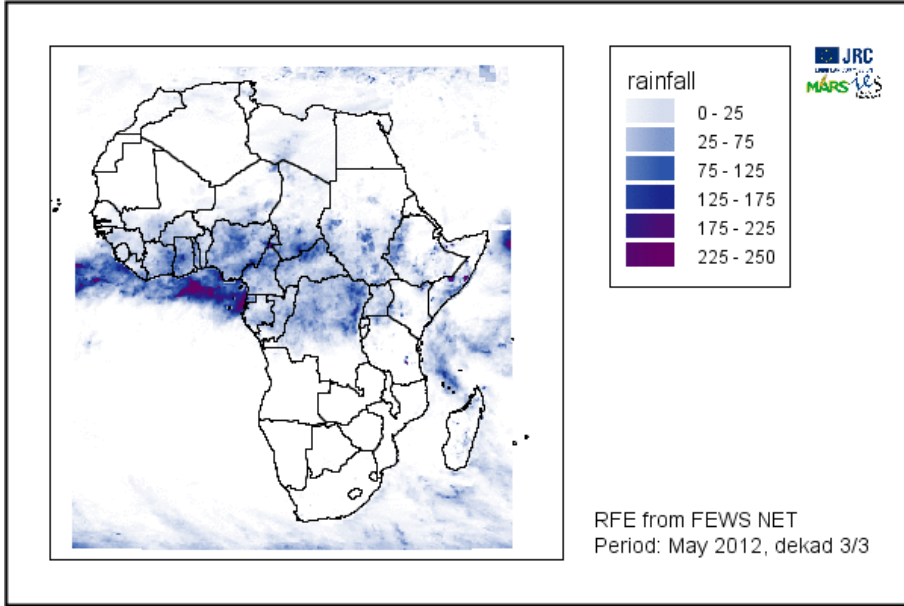
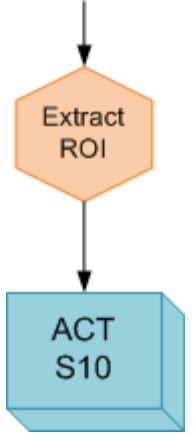
Importing files from various sources..



Etc.

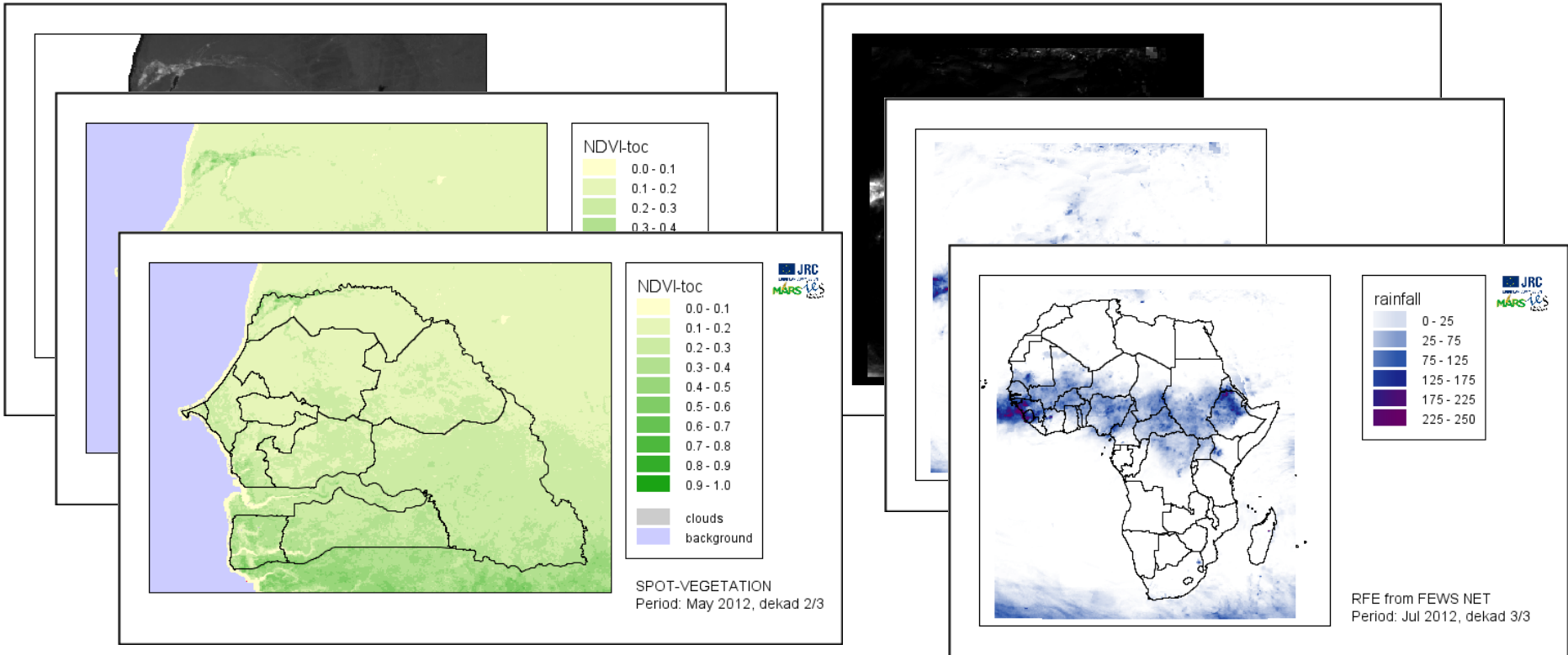


..Automated spatial subset



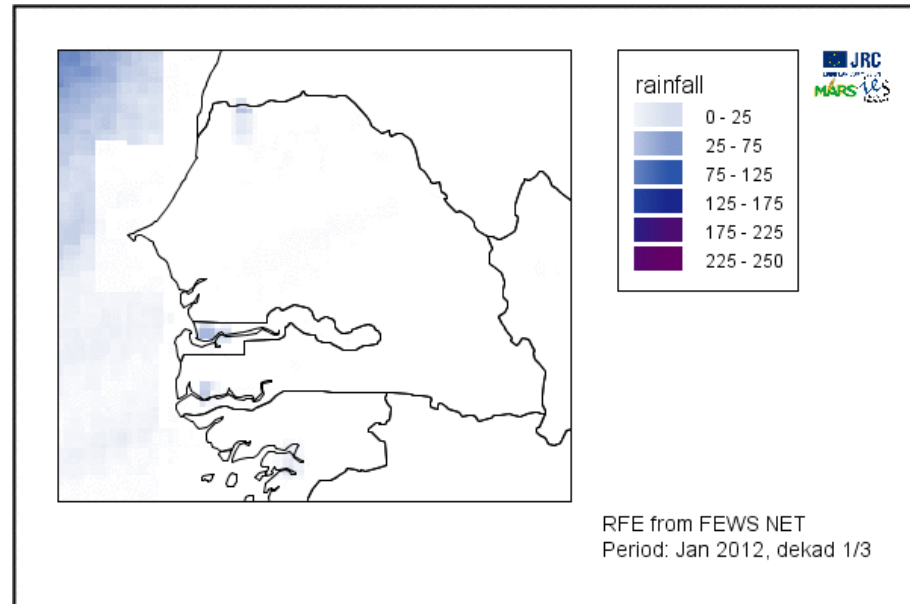
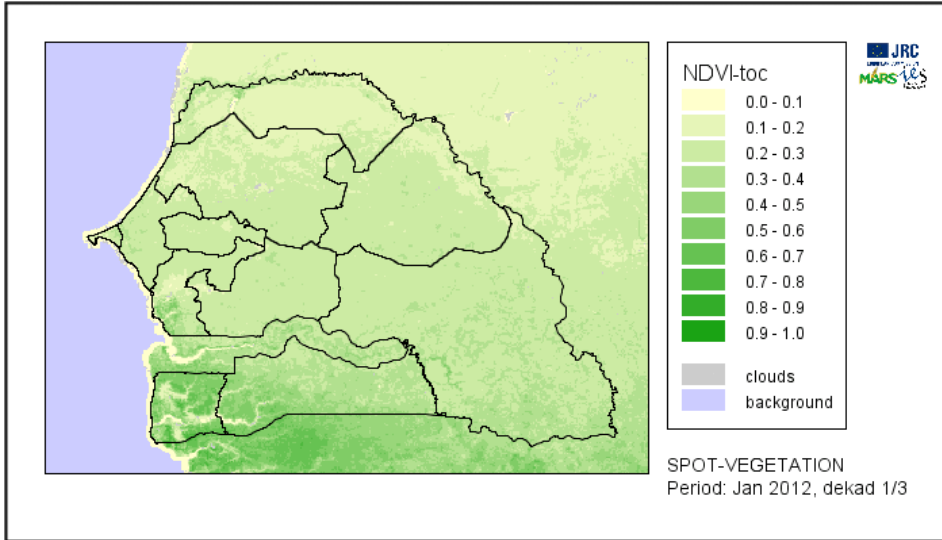
Visualizing single images..

Quick Looks

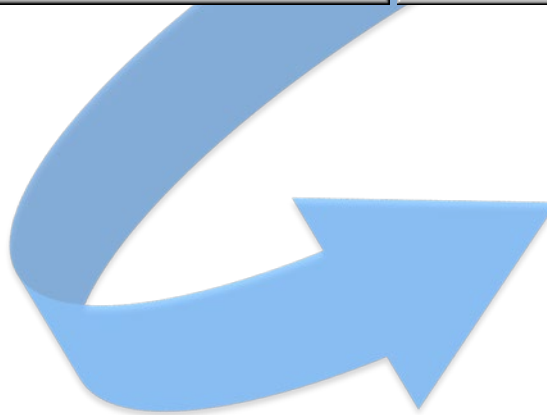
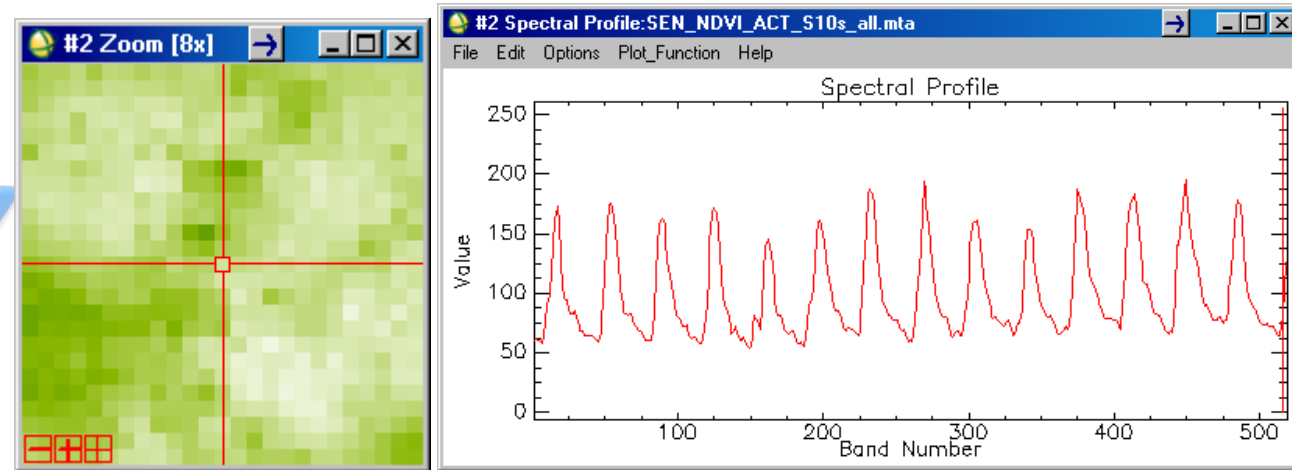
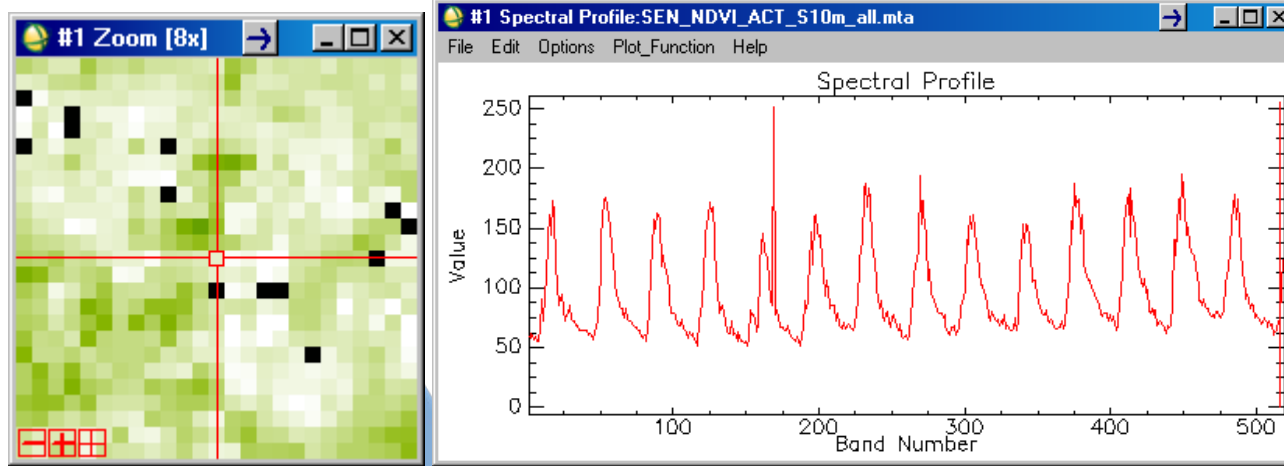
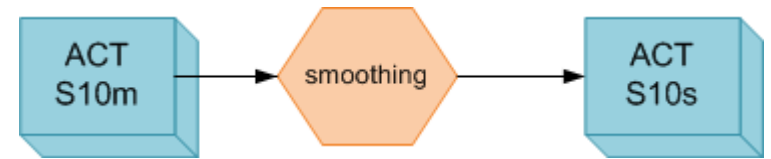


Add legends, titles, logos, vector layers..

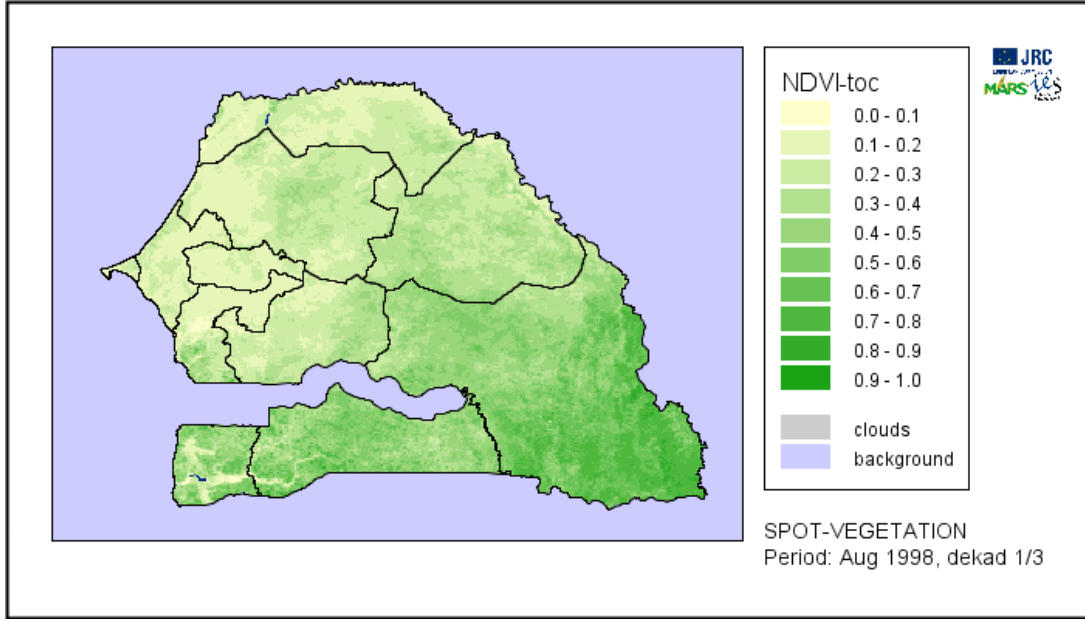
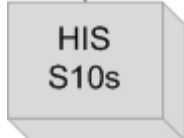
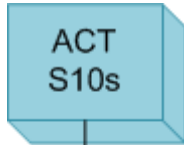
..Automated creation of Quick Look series



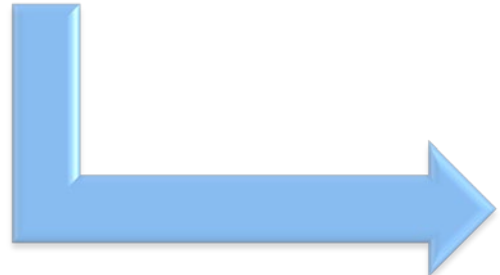
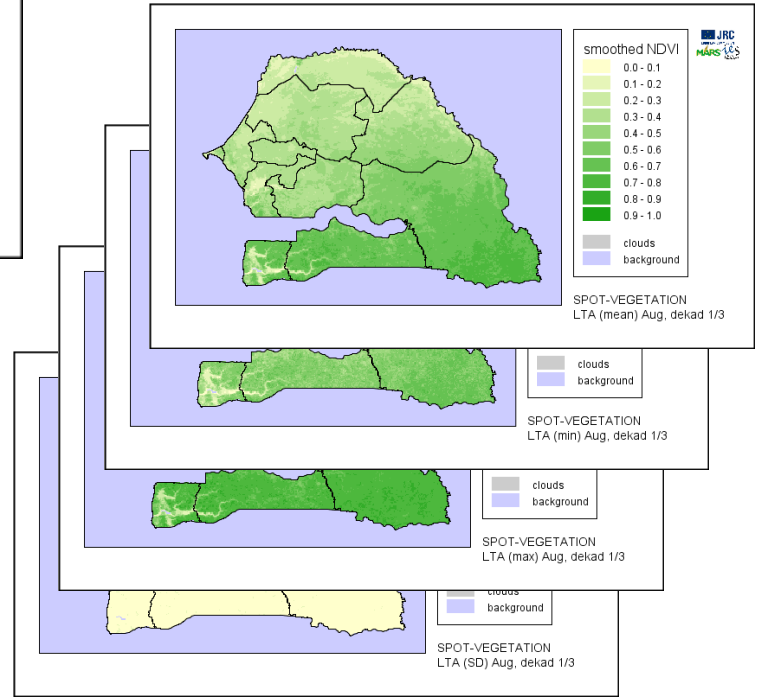
..Smoothing



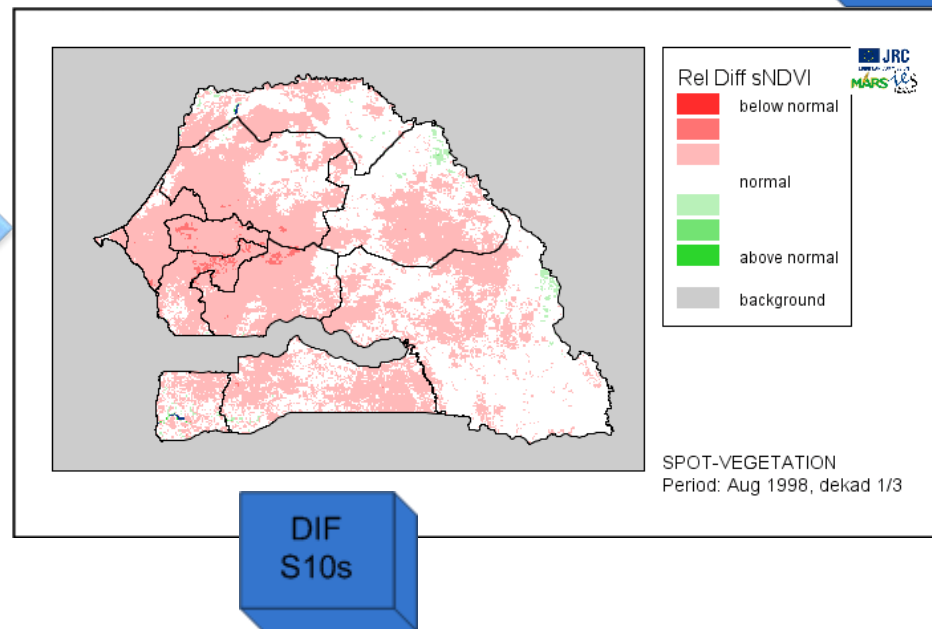
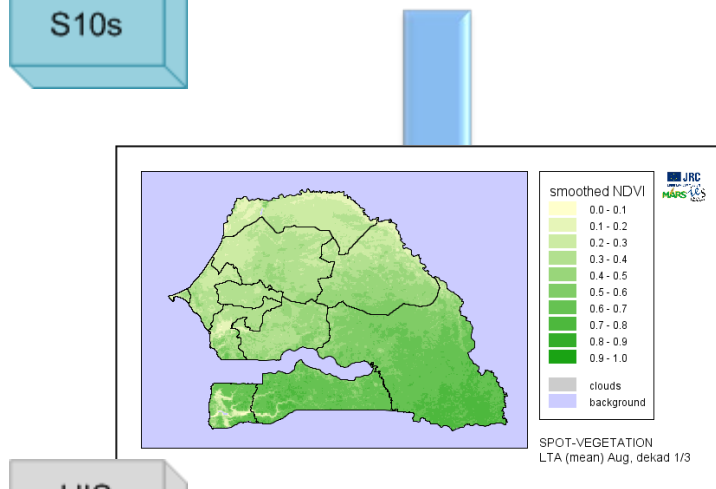
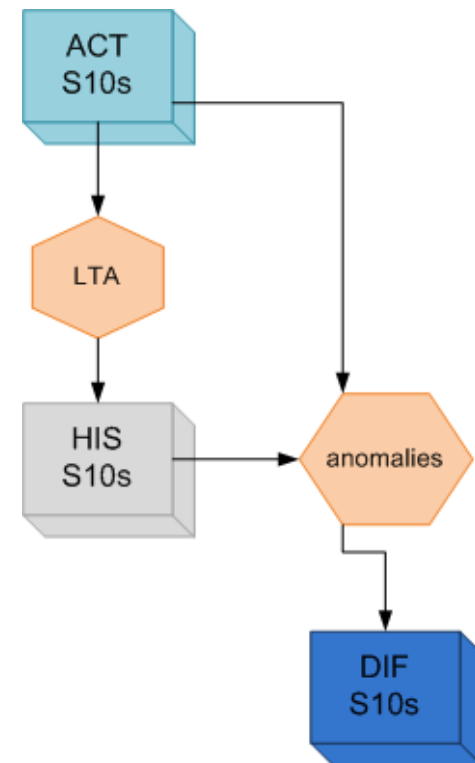
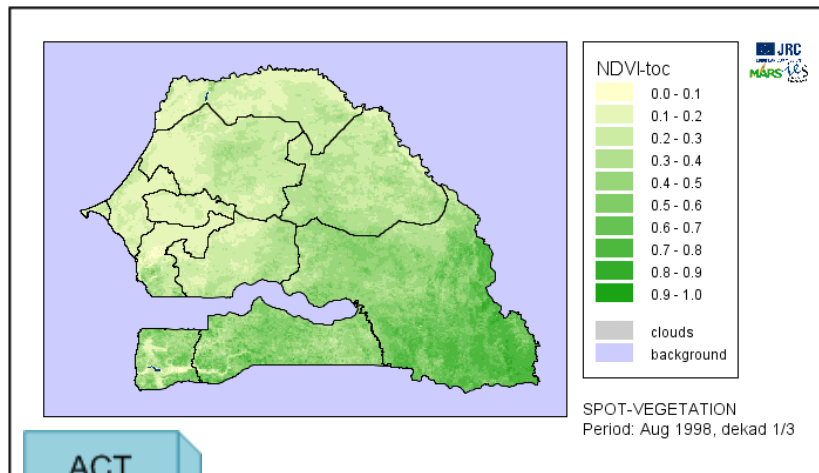
..Long Term Averages (for Dekad 1 of August)



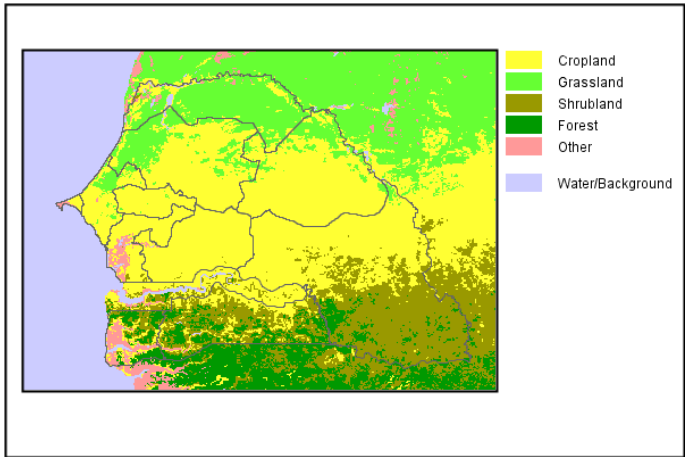
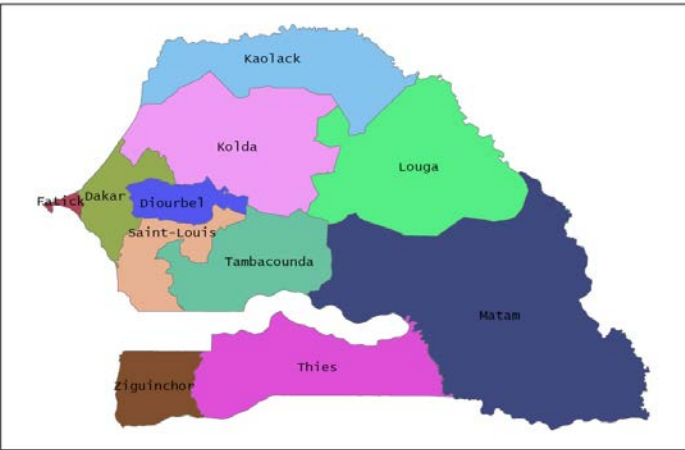
Mean, max, min, SD, ...



..Anomalies (for Dekad 1 of August)



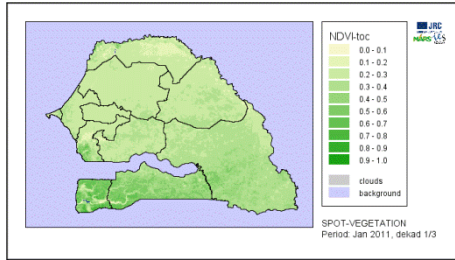
Extraction of statistics..



Administrative boundaries

Land cover map

ACT S10s



Statistics extraction

Region	Area (km²)	Population	NDVIloc	Other Stats
1. Kaolack	100	100	0.212	0.011
2. Kolda	100	100	0.203	0.019
3. Louga	100	100	0.284	0.041
4. Matam	100	100	0.289	0.028
5. Thies	100	100	0.285	0.082
6. Ziguinchor	100	100	0.222	0.031
7. Saint-Louis	100	100	0.285	0.082
8. Diourbel	100	100	0.285	0.082
9. Dakar	100	100	0.285	0.082

..Creation of chart templates..

Browse RUM database

Regions Set: SEN_reg Sensor: VGT
 Region: MT Variable: NDVI
 Classes Set: GLC5 Periodicity: * ALL *
 Class: * ALL * Method: * ALL *

Type	Region	Class	Method	Threshold	Sensor	Variable
TS	MT	OM	OM	0	VGT	NDVI
TS	MT	CRO	UM	100	VGT	NDVI
TS	MT	GRA	UM	100	VGT	NDVI
TS	MT	SHR	UM	100	VGT	NDVI
TS	MT	FOR	UM	100	VGT	NDVI

Total Entries: 5 Page: 1/1

table preview

Total Entries: 519

New Chart Add to Chart

RUM Chart

File Settings Help

Chart Legend Table

Attributes Legend X axis Y axis Datasets Table

Dataset Dataset

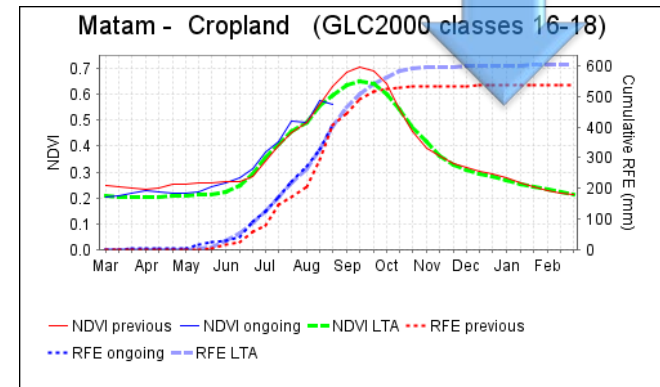
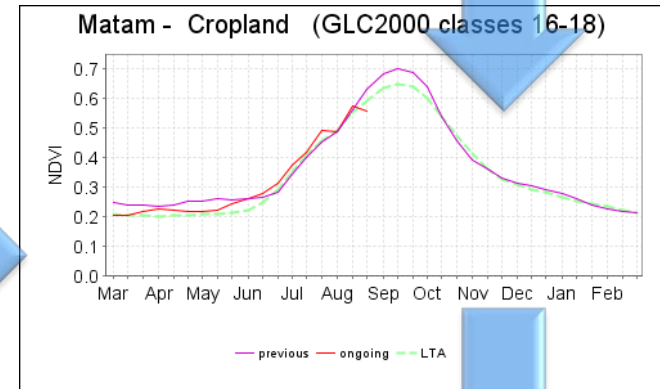
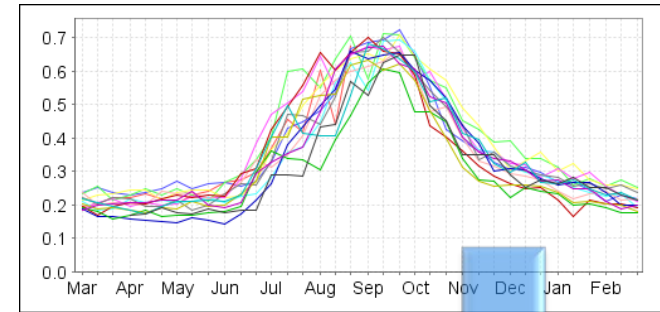
Region: MT Sensor: VGT Type: TS Periodicity: Dekad
 Class: CRO Variable: NDVI Method: UM Threshold: 100

Restrict dates: Lower Limit Upper Limit

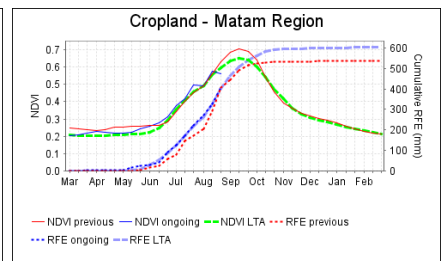
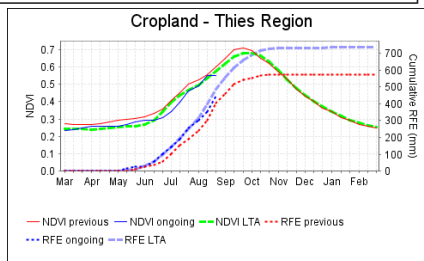
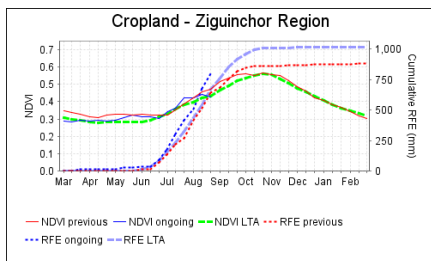
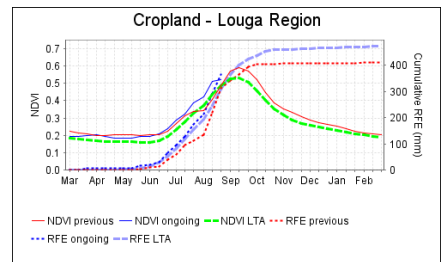
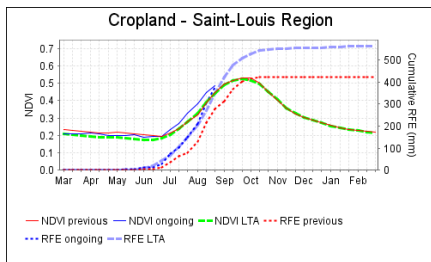
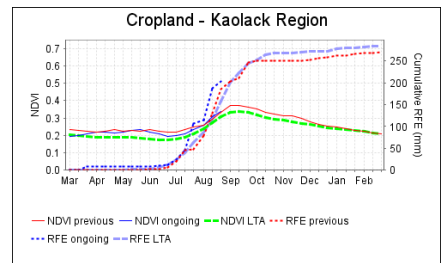
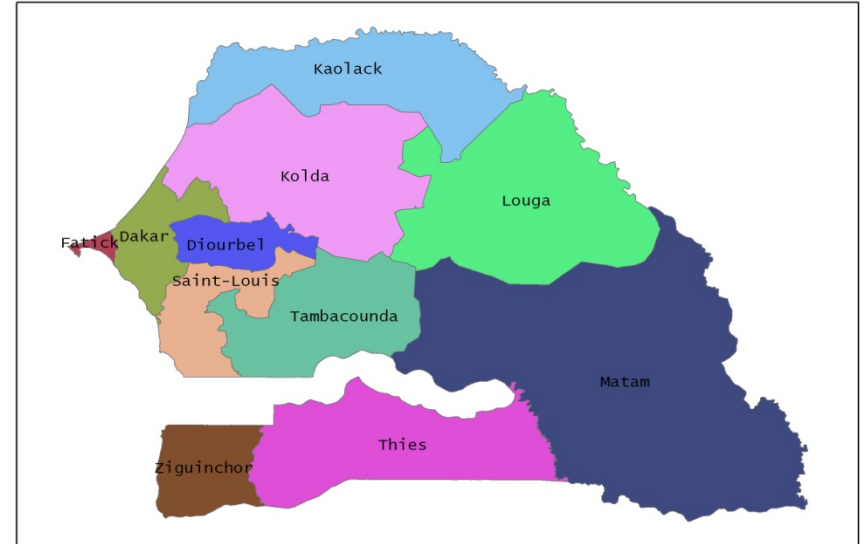
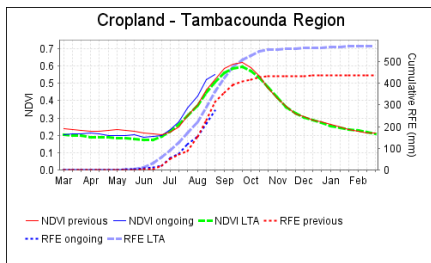
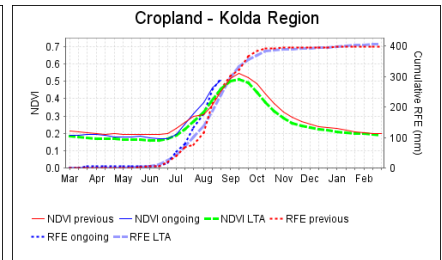
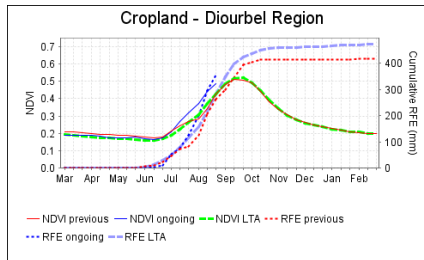
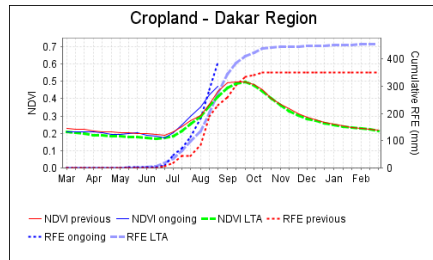
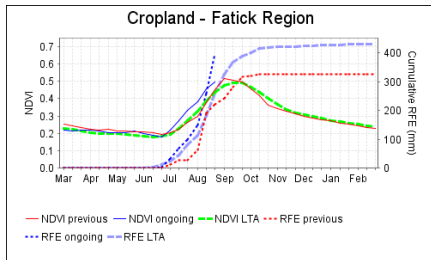
Operation: Normal Mode: Actual Smooth Window: 3

Series	Visible	Colour	Shape	Stroke	Description
2007-2008	<input type="checkbox"/>	Default	—	—	
2008-2009	<input type="checkbox"/>	Default	—	—	
2009-2010	<input type="checkbox"/>	Default	—	—	
2010-2011	<input type="checkbox"/>	Default	—	—	
2011-2012	<input checked="" type="checkbox"/>	Purple	—	—	previous
2012-2013	<input checked="" type="checkbox"/>	Red	—	—	ongoing

Clear Add Copy Replace Remove



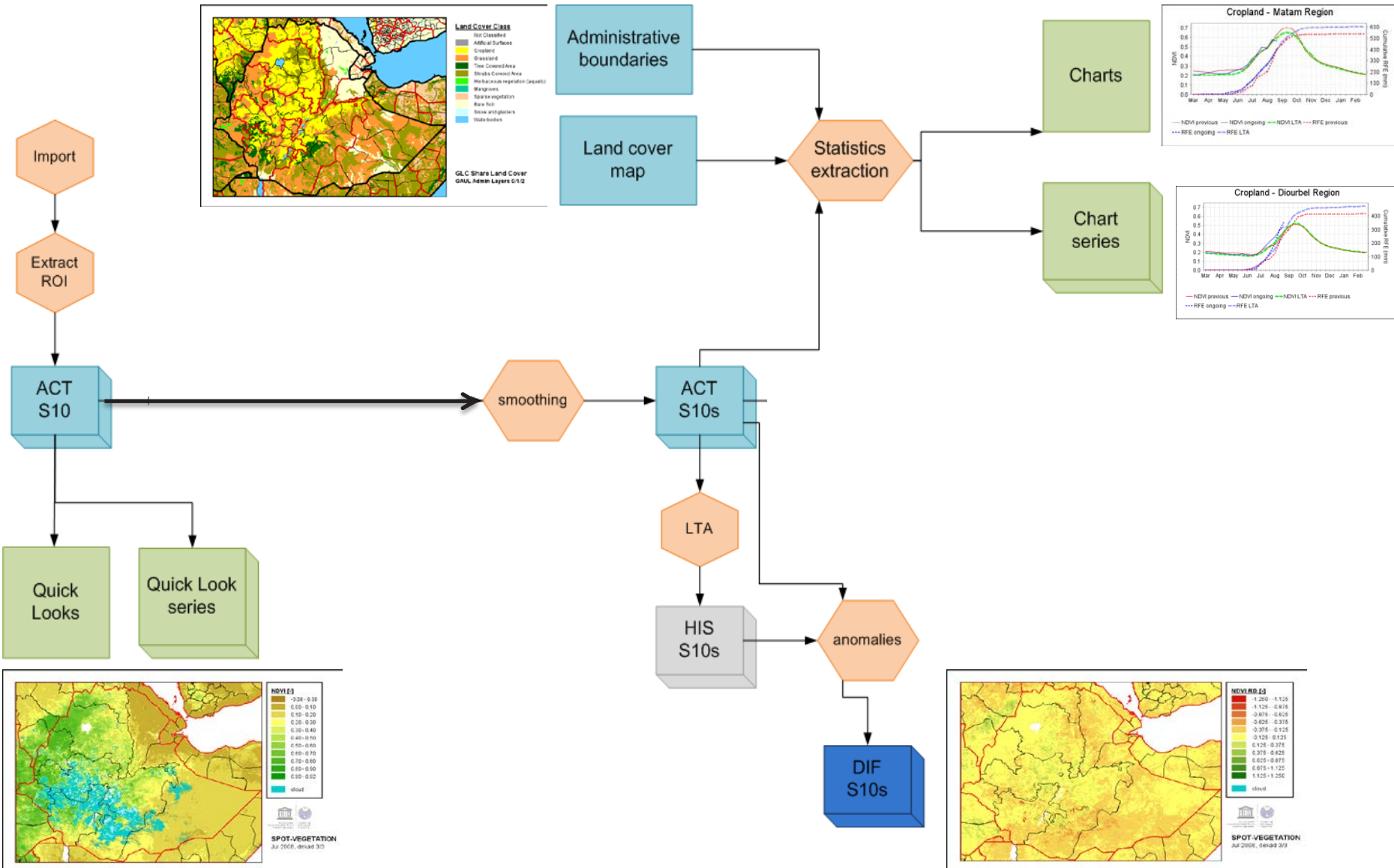
..Automated creation of chart series

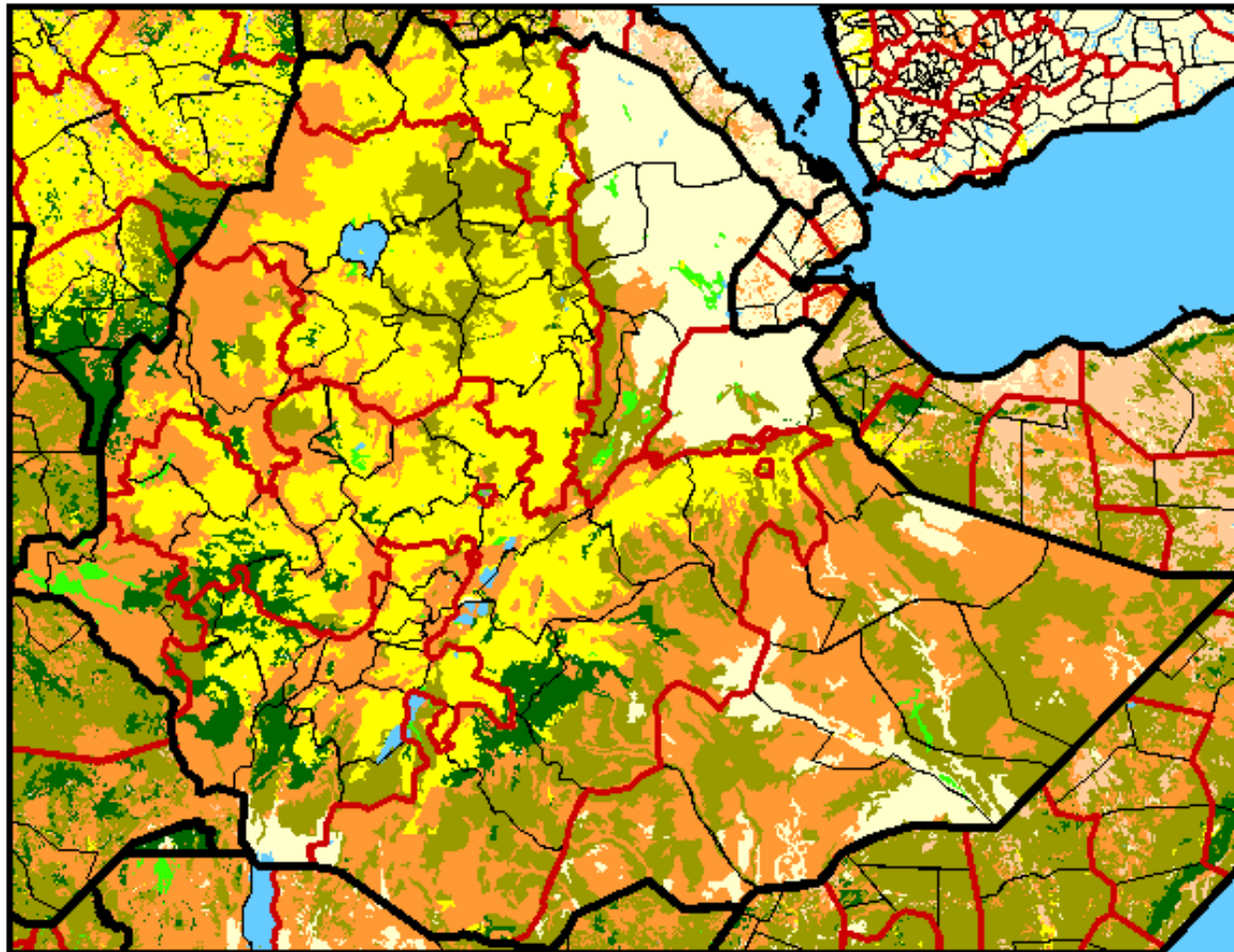


Exercise - Ethiopia

SPOT-VGT	ECMWF
NDVI	Precipitation
Geographic lat/lon	Geographic lat/lon
1/112° or ±1km	0.25°

SPIRITS workflow for Vegetation Monitoring: Ethiopia





Land Cover Class

- Not Classified
- Artificial Surfaces
- Cropland
- Grassland
- Tree Covered Area
- Shrubs Covered Area
- Herbaceous vegetation (aquatic)
- Mangroves
- Sparse vegetation
- Bare Soil
- Snow and glaciers
- Waterbodies

GLC Share Land Cover
GAUL Admin Layers 0/1/2