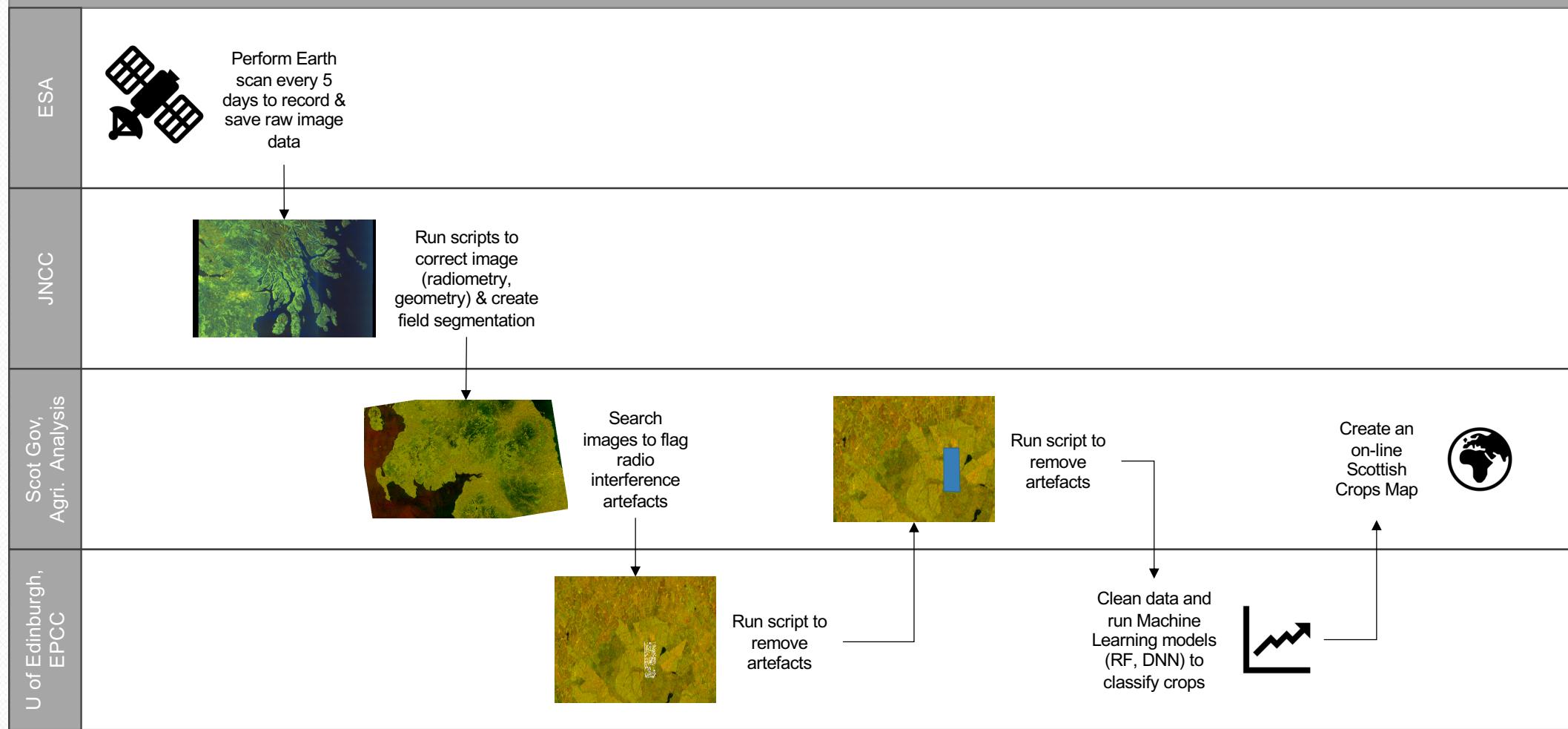


ScotCropMap – High-Level Data Management Workflow



ScotCropMap – Detailed Data Management Workflow

Team	INPUTS	ACTIVITY / PROCESS	OUTPUTS	LOCATION	FORMAT
ESA	Sentinel-1 radar signal	Perform Earth scan every 5 days to record raw image data	Raw ESA image	ESA	.zip files
JNCC	Raw ESA image	Run scripts to correct image (radiometry, geometry)	Corrected JNCC image	JNCC server	.tif
Scot Gov, Agri. Analysis	Corrected JNCC image	Search images and flag radio interference artefacts	Flagged artefacts image	Local machine to USB stick	.tif
U of Edinburgh, EPCC	Flagged artefacts image	Run script to remove artefacts	No artefacts image	EPCC VM	.shp
U of Edinburgh, EPCC					
Scot Gov, Agri. Analysis	No artefacts image	Clean data and run Machine Learning model to classify crops	Final image	EPCC VM	
JNCC	Orfeo	Create field segmentation	Field segmentation	JNCC server	
U of Edinburgh, EPCC			Create an on-line Scottish Crops Map		