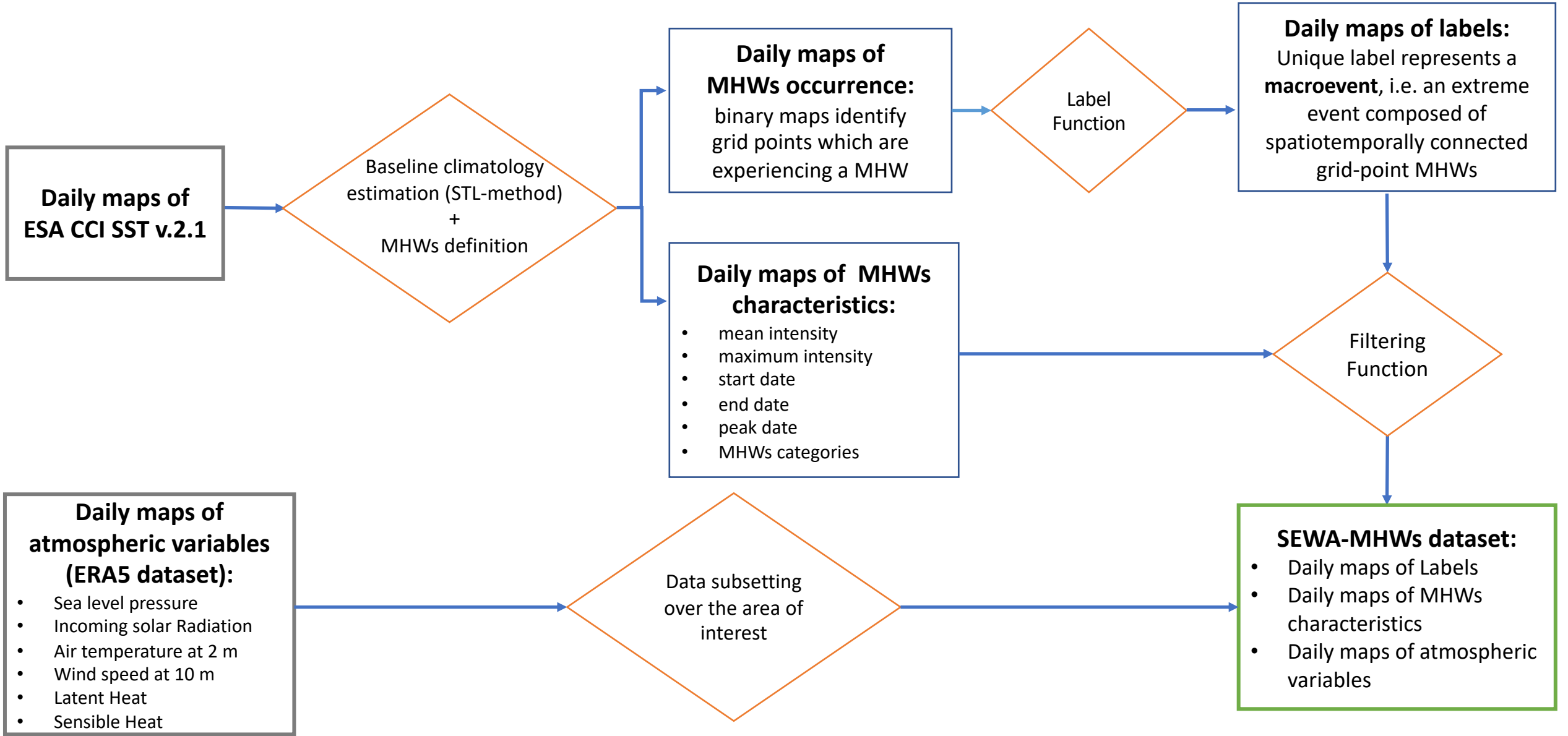
Daily maps of ESA CCI SST v.2.1
Baseline climatology estimation (STL-method) + MHWs definition
Daily maps of MHWs occurrence: binary maps identify grid points which are experiencing a MHW
Label Function
Daily maps of labels: Unique label represents a macroevent, i.e. an extreme event composed of spatiotemporally connected grid-point MHWs
Daily maps of MHWs characteristics:
mean intensity
maximum intensity
start date
end date
peak date
MHWs categories
Filtering Function
Daily maps of atmospheric variables (ERA5 dataset):
Sea level pressure
Incoming solar Radiation
Air temperature at 2 m
Wind speed at 10 m
Latent Heat
Sensible Heat
Data subsetting over the area of interest
SEWA-MHWs dataset:
Daily maps of Labels
Daily maps of MHWs characteristics
Daily maps of atmospheric variables