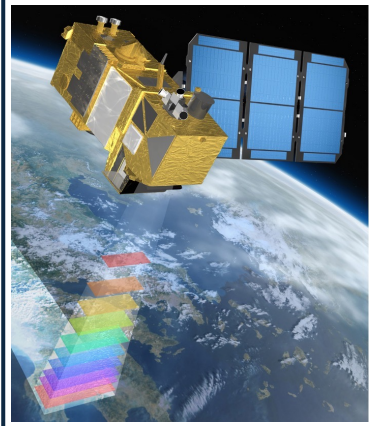


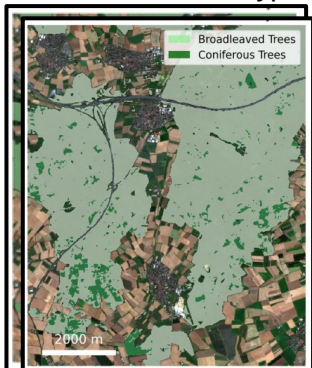
## INPUT

MULTISPECTRAL  
SENTINEL 2 (S2) ©ESA



## AUXILIARY INPUT

DEM, Forest Mask,  
Dominant Leaf Type



**FORCE**  
S2 PREPROSSSESING,  
COMPOSITE DATA CUBE

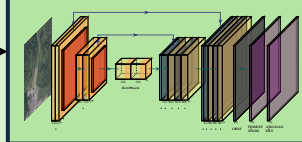
**GIVEN**  
**THESIS ENABLER**

**MODEL**  
LIDAR TO CHM

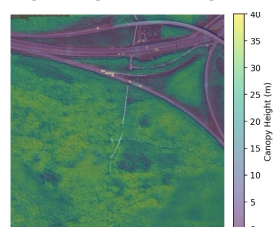
## THESIS SCOPE

**CUSTOM**  
**PRE-**  
**PROCESSING**

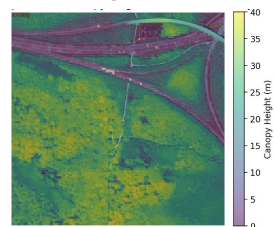
### U-NET MODEL



**PREDICTION**  
CANOPY HEIGHT

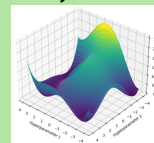


**GROUND-TRUTH:**  
ALS LIDAR



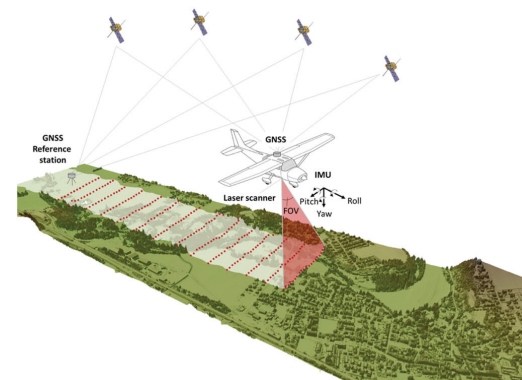
**LOSS FUNCTION, OPTIMIZER**

HuberLoss,  
Adam



## REFERENCE INPUT

3 ALS SITES IN BAVARIA



Site Locations in Bavaria, Germany

