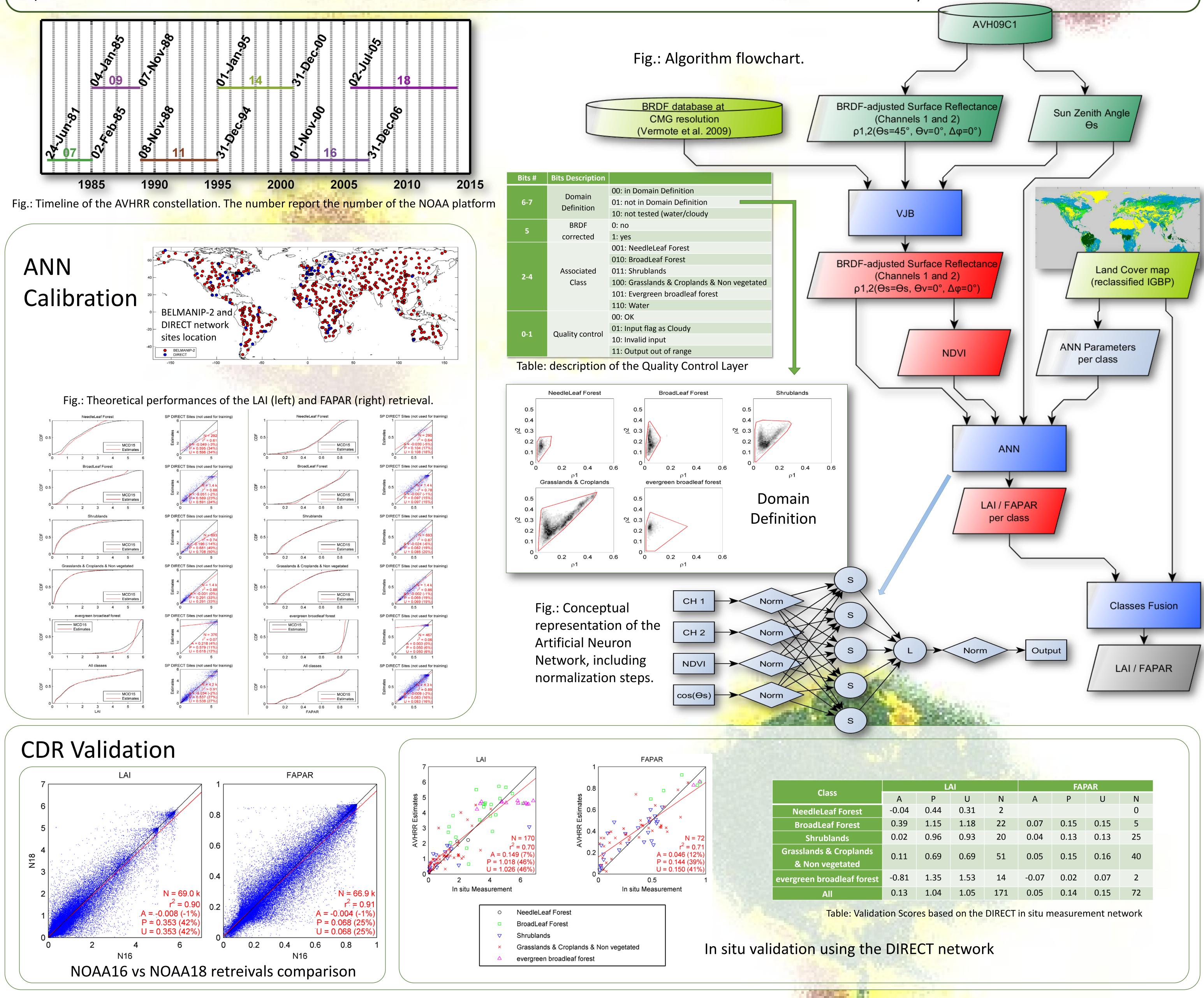
Leaf Area Index and Fraction of Absorbed Photosynthetically Active Radiation Thematic Climate Data Record from AVHRR

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The Leaf Area Index (LAI) and Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) Climate Data Record (CDR) is a long term data set derived from the Advanced Very High Resolution Radiometer (AVHRR) sensors onboard the NOAA 7, 9, 11, 14, 16, and 18 platforms. The data set code name is AVH15 and is hosted at NOAA NCDC. The data set relies on the 30-year data set of Surface Reflectance (SR) CDR (AVH09). The algorithm is based on a per-class neural network trained using AVHRR SR and MODIS LAI/FAPAR. We used the BELMANIP-2 sites network to calibrate the ANN and the DIRECT in situ measurement to assess the uncertainty of the retrievals.



http://www.ncdc.noaa.gov/cdr/operationalcdrs.html

