

LATENT-SPACE[16] : AKRAM I LING I AHMED I SARA

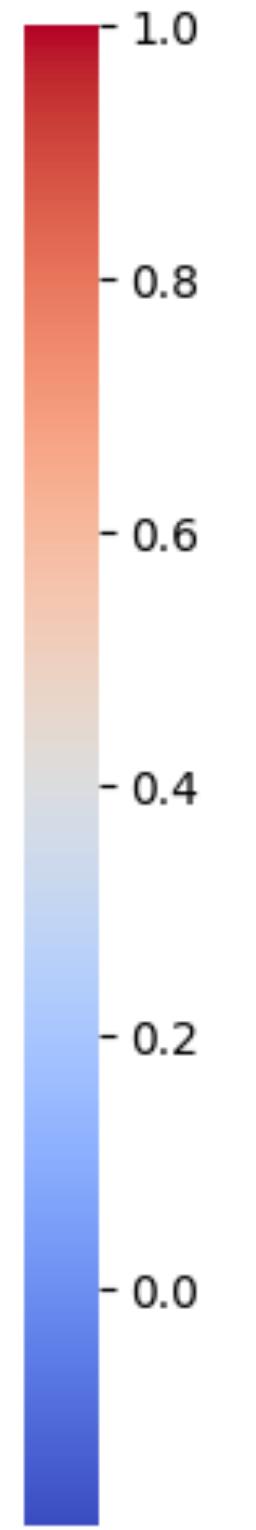
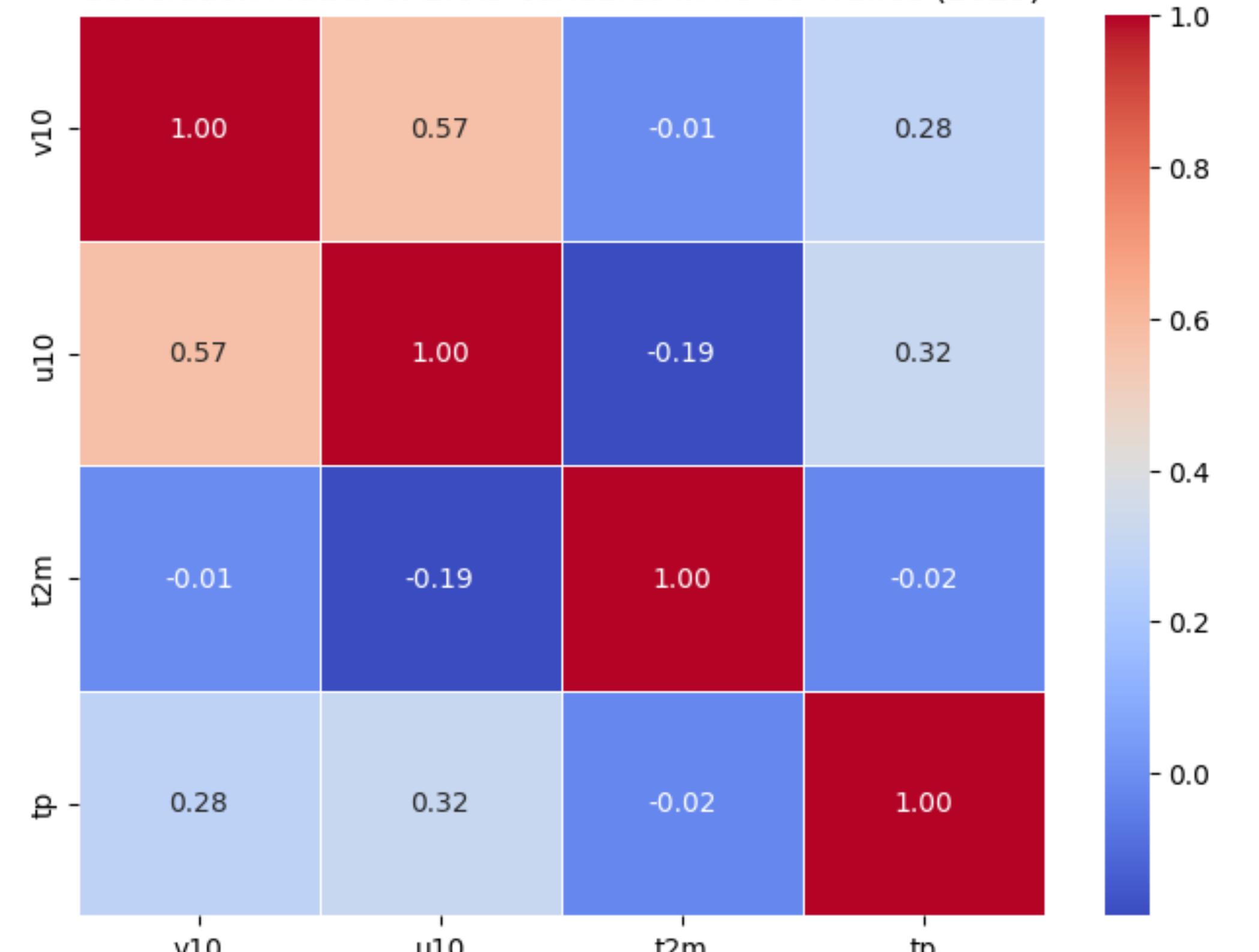
WEEK1 - DATA EXPLORATION & UNDERSTANDING (ERA5, NDVI, STATIONS)

Île-de-France: A Climate-Vulnerable Metropolitan Area

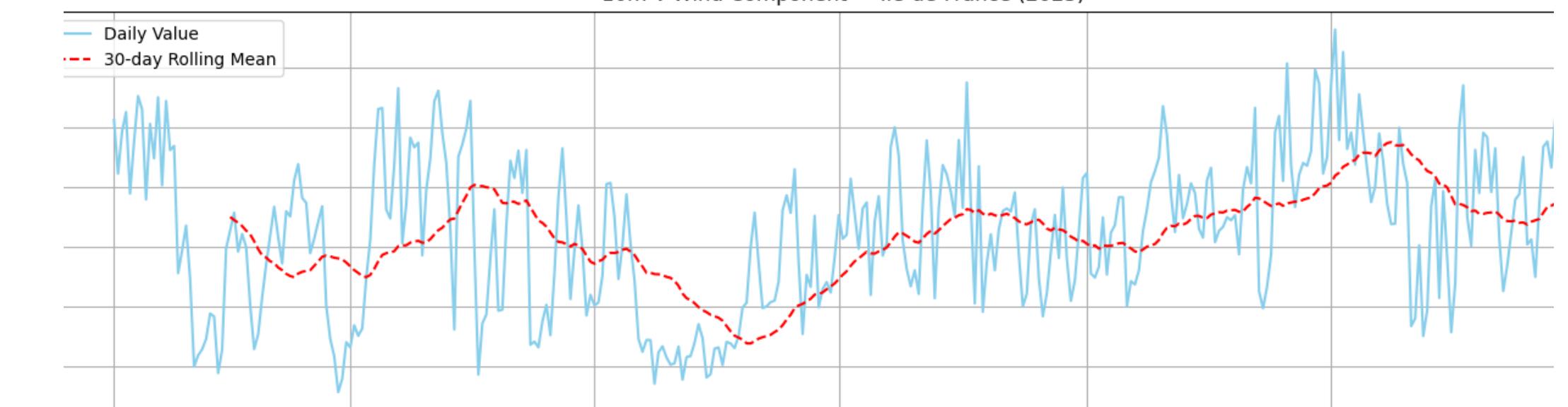


ERA5 DAILY MAX TEMPERATURE IN °C ON THE 1 JANUARY 2023

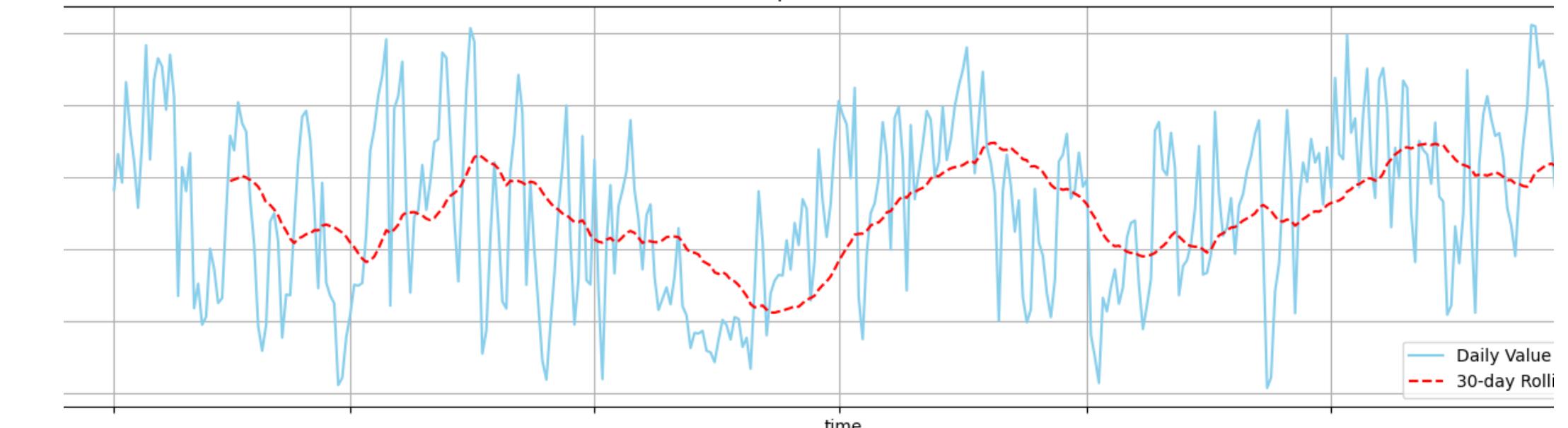
Correlation Matrix of ERA5 Variables in Île-de-France (2023)



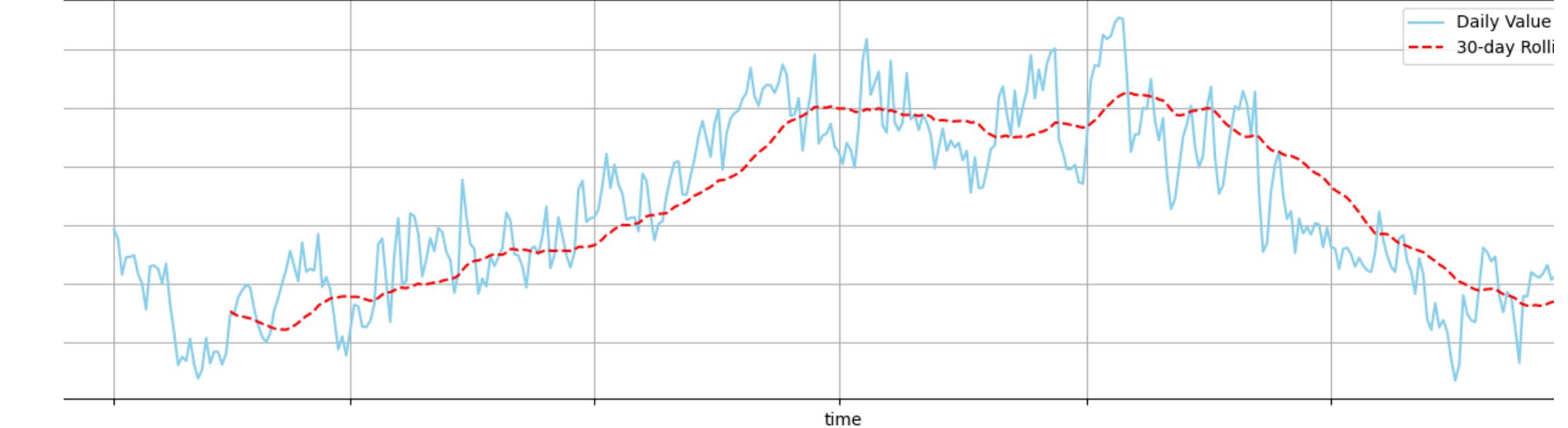
10m V-Wind Component — Île-de-France (2023)



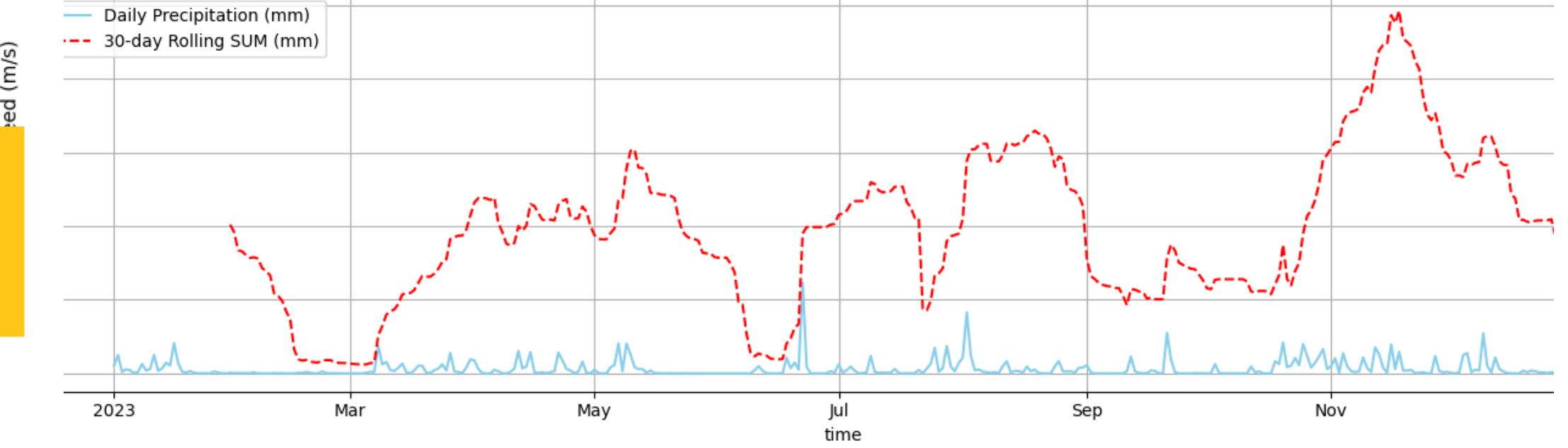
10m U-Wind Component — Île-de-France (2023)



2m Temperature — Île-de-France (2023)

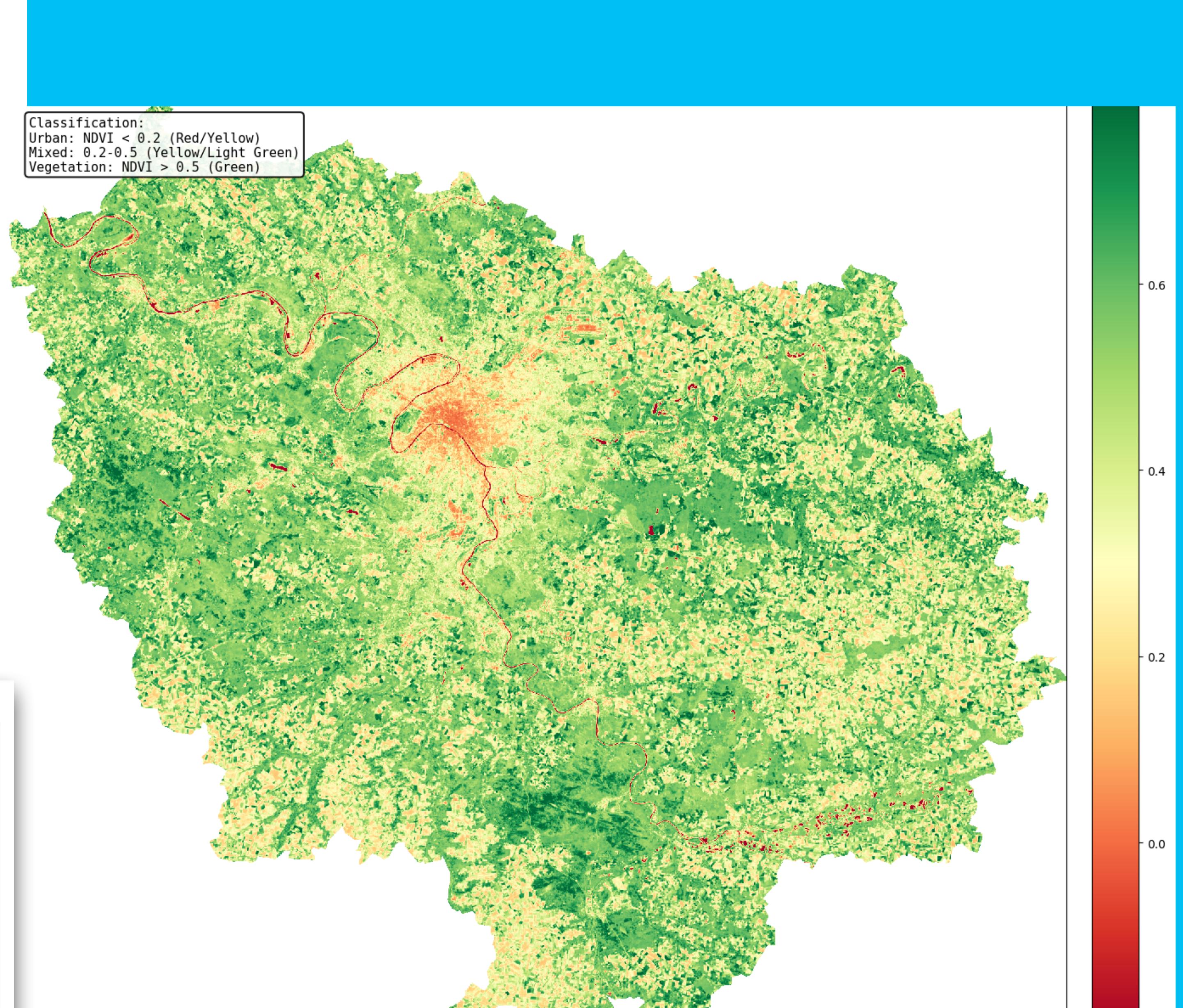
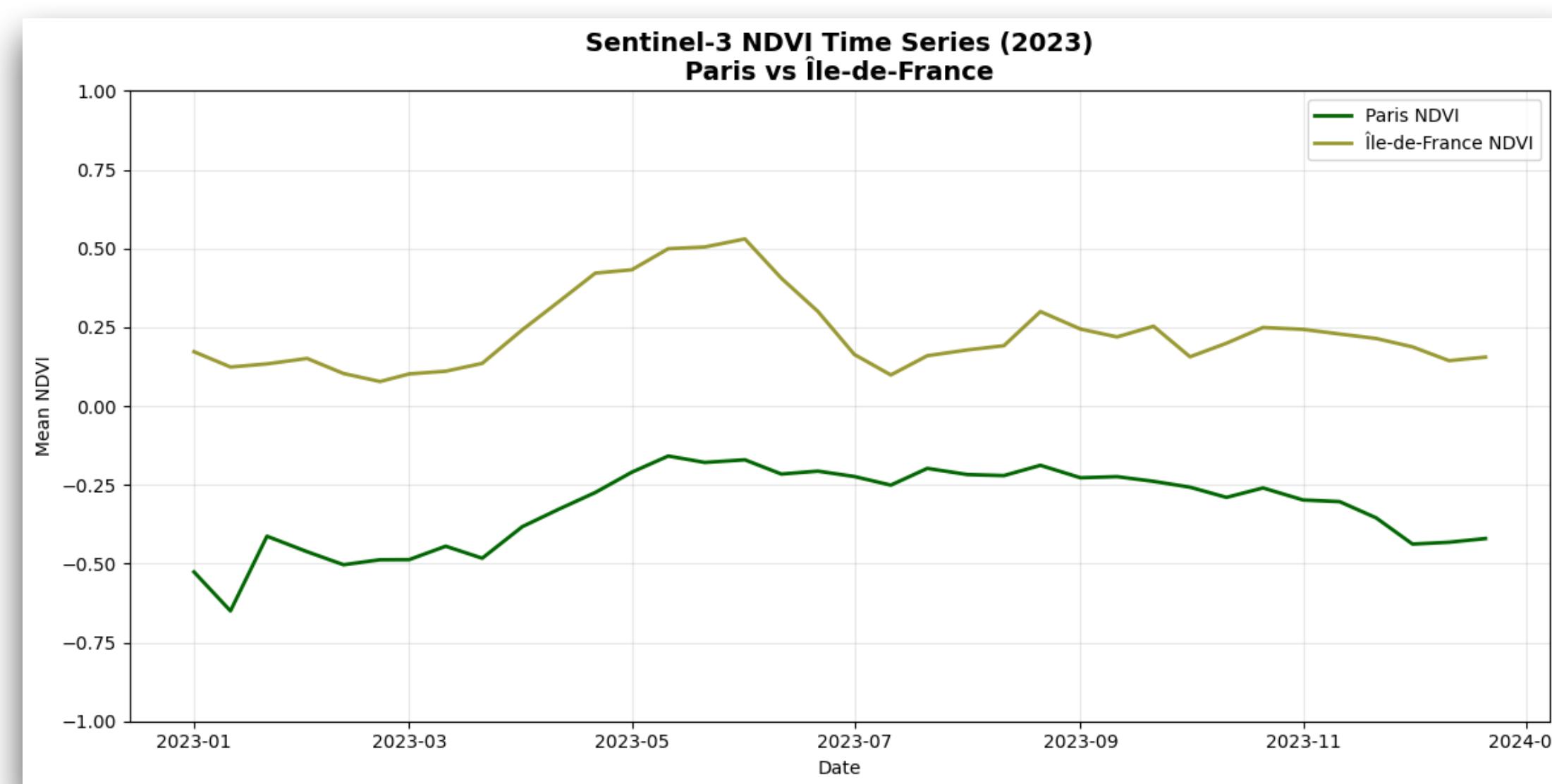


Total Precipitation — Île-de-France (2023)



SENTINEL NDVI

- **Sentinel-2: Identify fine-scale urban features (parks, roads, buildings)**
- **Sentinel-3: Monitor seasonal vegetation changes and temporal UHI trends**



EUROPEAN CLIMATE ASSESSMENT DATASETS

