

# Edge-Based Smart Irrigation System For Precision Agriculture

## Dataset Description

- **Total Samples:** 5570
- **Features:**
  - YEAR, MO (Month), DY (Day): Temporal features
  - T2M\_MIN, T2M\_MAX: Minimum and maximum daily temperatures (°C)
  - RH2M: Relative humidity at 2 meters (%)
  - WS2M: Wind speed at 2 meters (m/s)
  - ALLSKY\_SFC\_SW\_DWN: Solar radiation on the surface (MJ/m<sup>2</sup>/day)
- **Label**
  - ET0: Reference evapotranspiration (mm/day), used for irrigation need estimation