

## Actual Evaporation Data System for the COSMOS-UK Environmental Monitoring Network

## <u>D. Crowhurst</u>, R. Morrison, J. Evans, H. Cooper, A. Cumming, M. Fry, D. Boorman





## Actual Evaporation Data System

- COSMOS-UK network has 50 field monitoring stations across the UK
- Net radiation, raw sensible heat flux and raw soil heat flux are collected at 20 samples per second
- Data processing system ingests data received from telemetry in near-real time
- Estimates actual evaporation as a residual of the surface energy balance
- Data will be made publically available, with wide range of potential applications

Hydro-JULES 🥃 UK-SCAPE NERC



Centre for

Ecology & Hydrology

COSMC

MENT RESEARCH COUNCIL UK Soil Moisture Monito

## Actual Evaporation Data System





