

Surface Transport Forecasting at the Met Office: Looking to the Future

Alice Lake

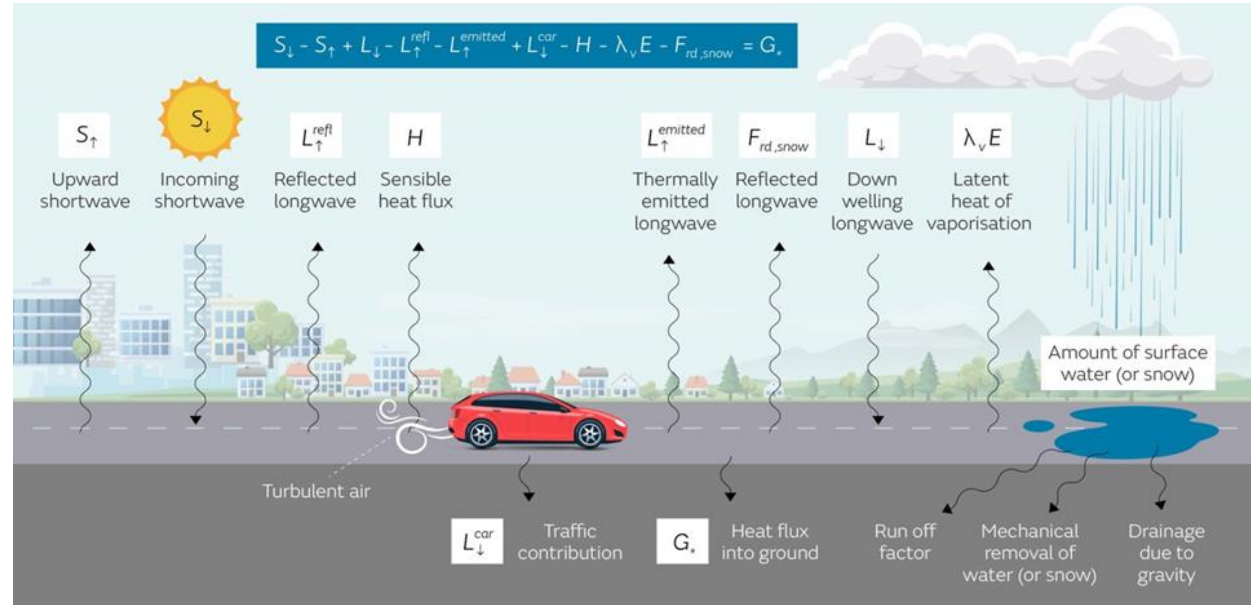
Who we are



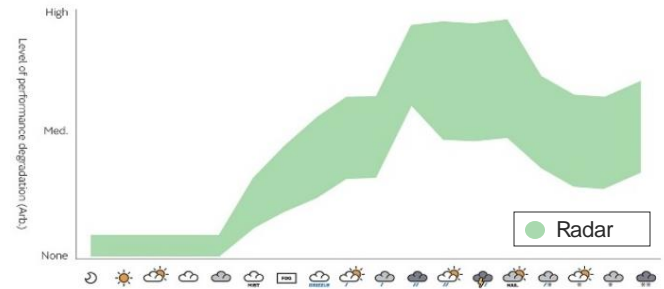
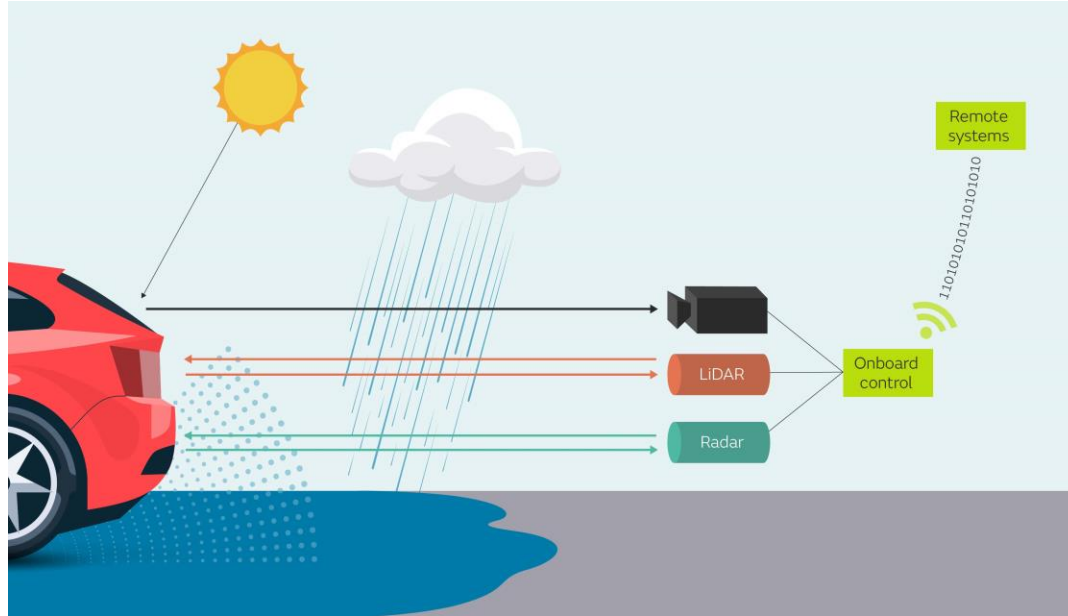
Surface Transport Forecasting at the Met Office

MORST

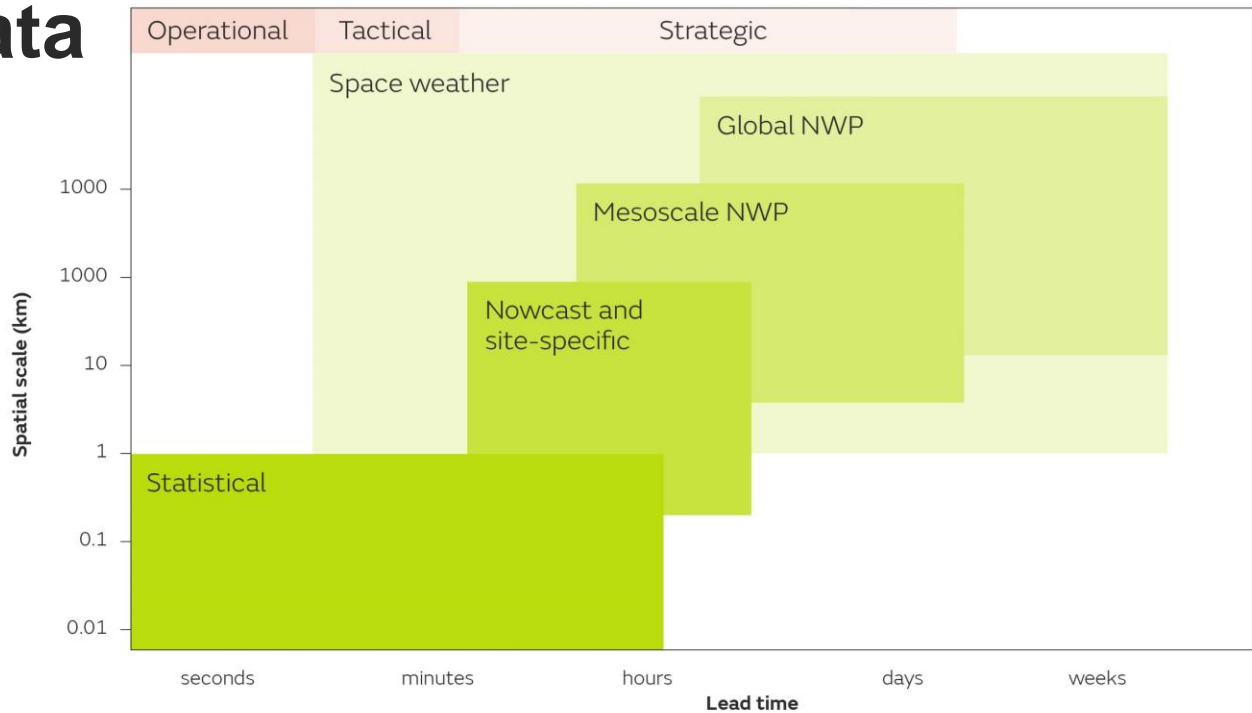
(Met Office Road Surface
Temperature model)



CAVs and road weather

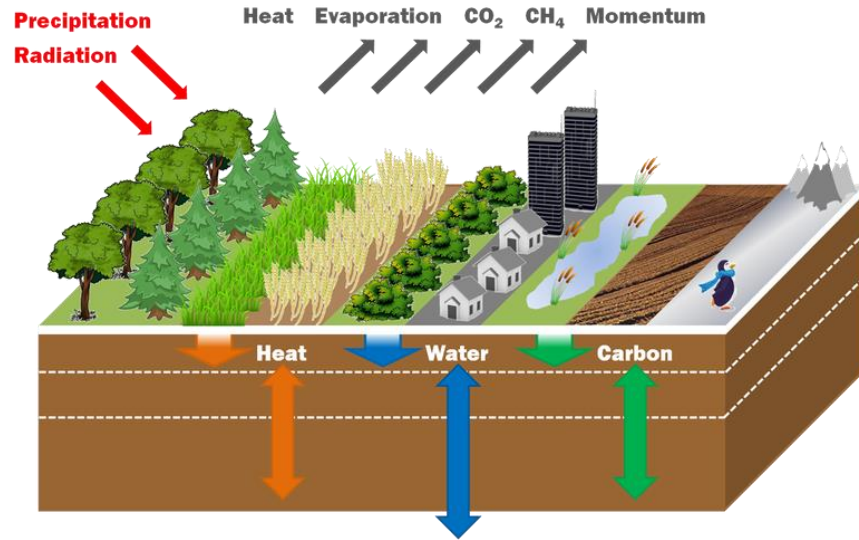


CAV decisions and weather data



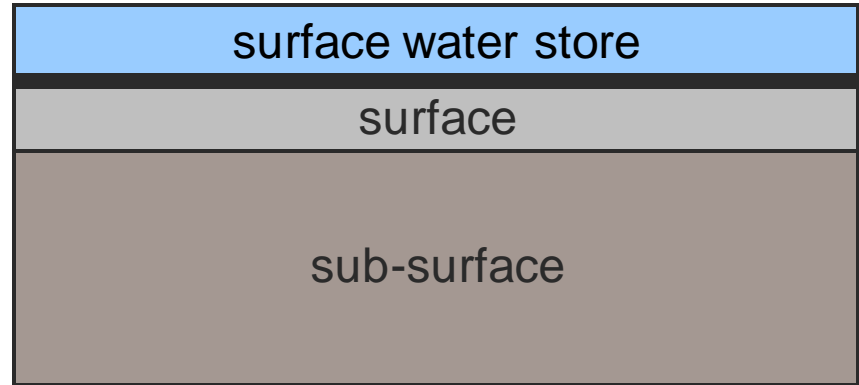
JULES

Joint UK Land Environment Simulator



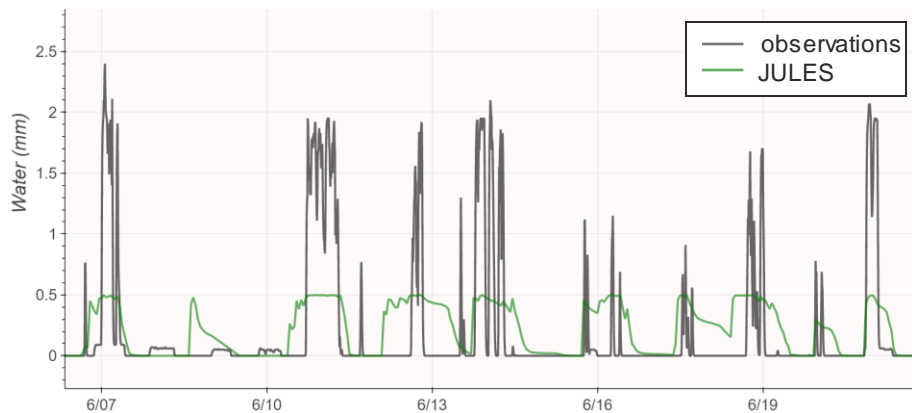
JULES “road” tile

Impermeable barrier →

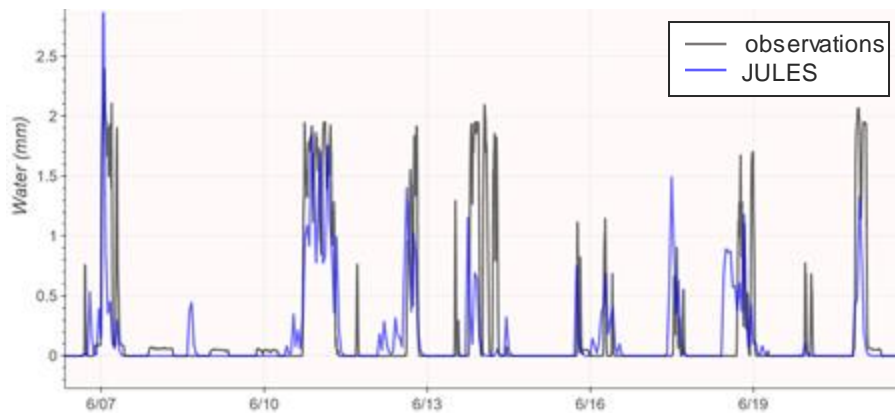


JULES water depth

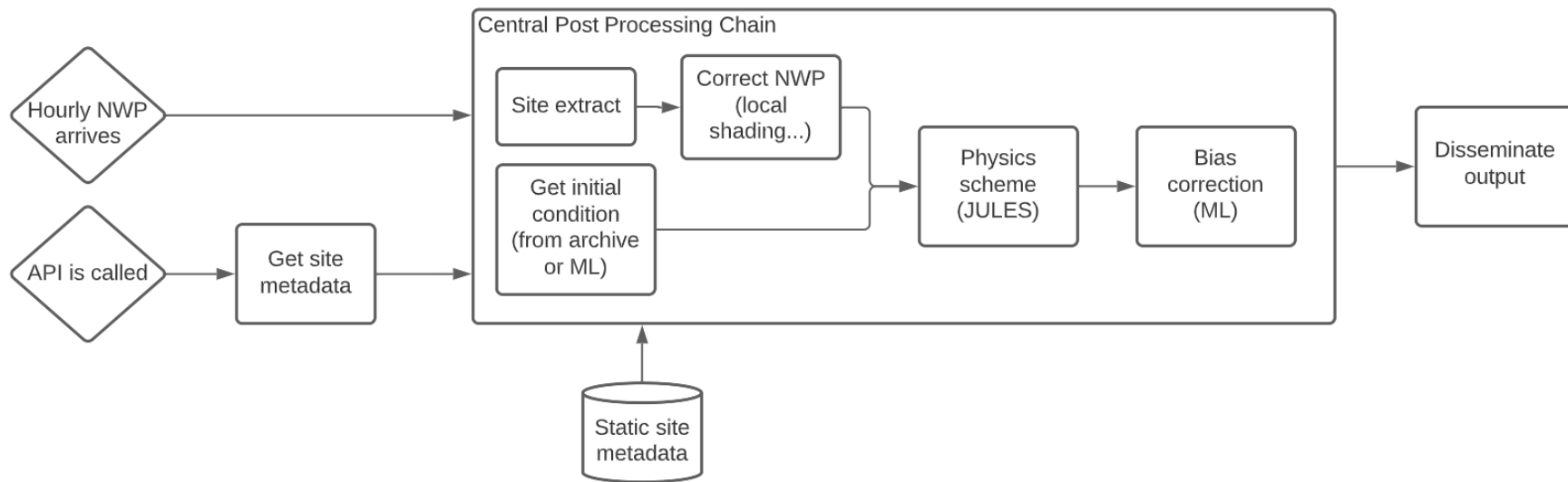
JULES without drainage scheme



JULES with drainage scheme



STF system architecture



Thank you



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