





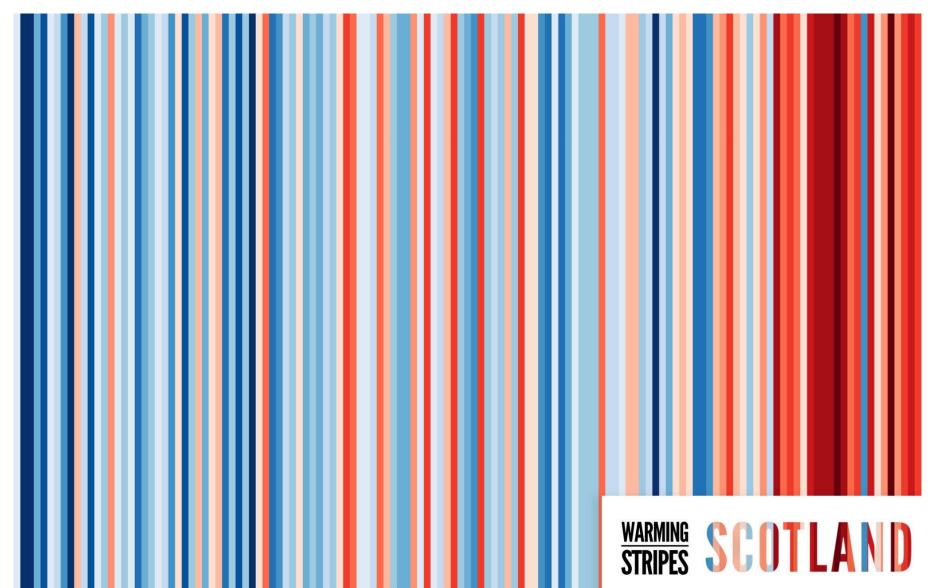
SCOTLAND'S CHANGING CLIMATE

PAST / FUTURE CHANGE





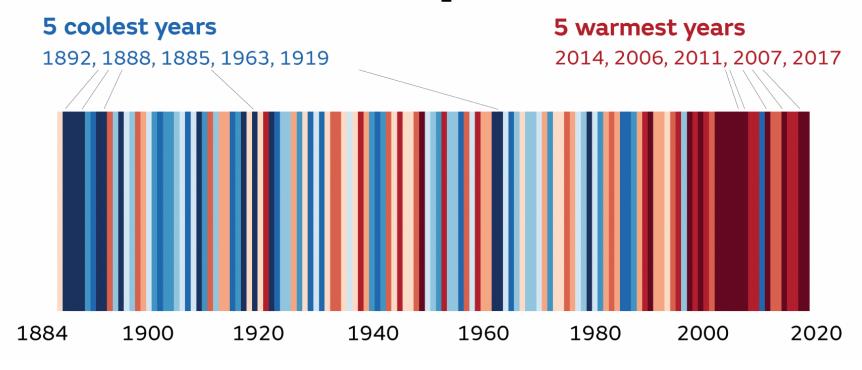
Ed Hawkins, Climate Scientist, University of Reading







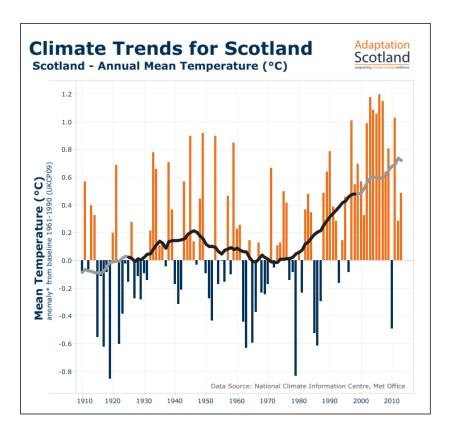
UK annual temperature

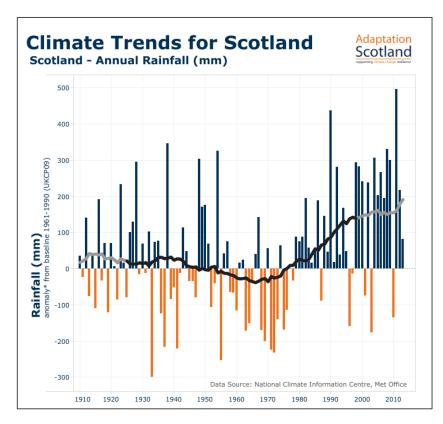






Change that has happened already



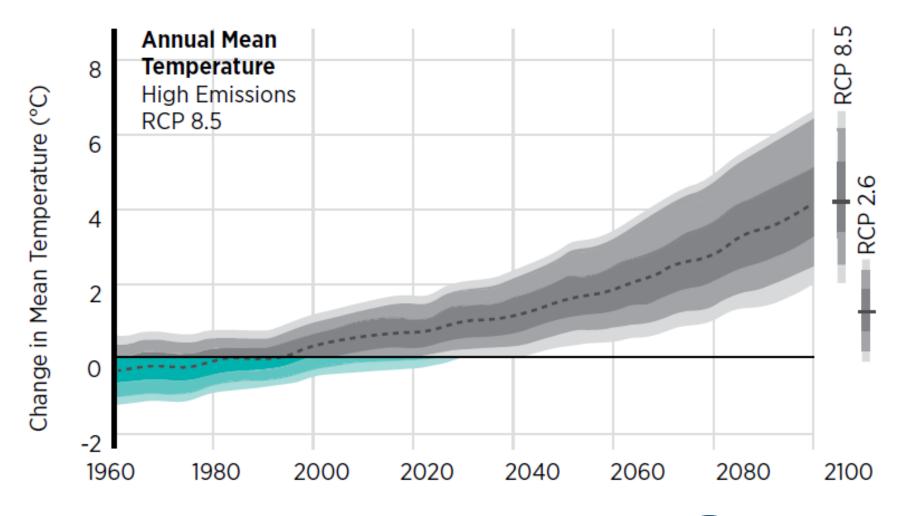


Observed trends compared to 1961 to 1990 baseline (Adaptation Scotland: Climate Trends Tool).

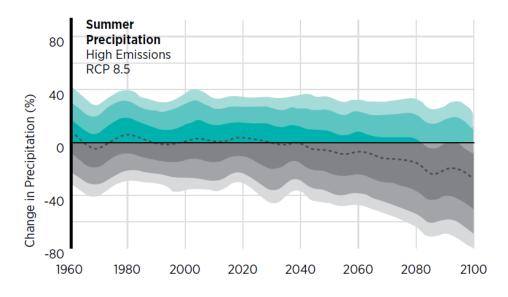


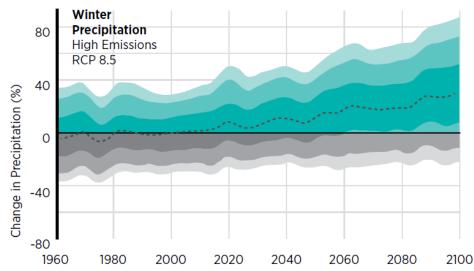


Future change – high emission scenario – UKCP18







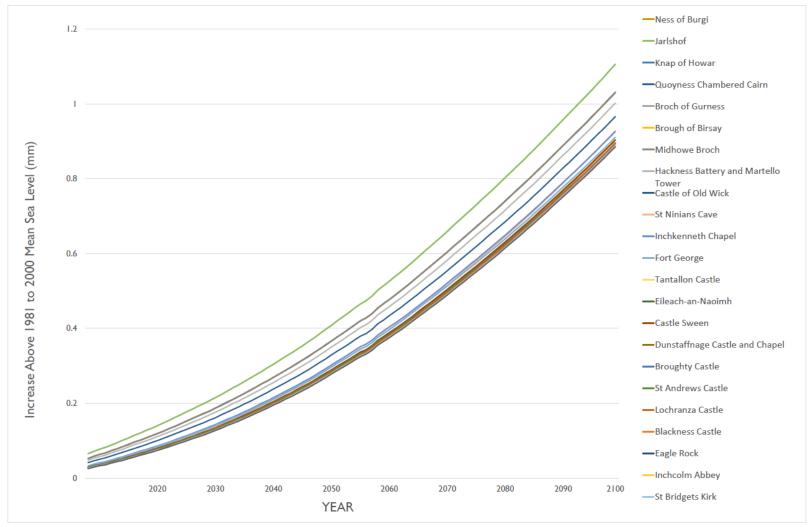


Future change – high emission scenario – UKCP18





Future change predicted to happen



SLR at the coastal HES Properties. Data used is the 95th percentile of RCP 8.5 UKCP18 dataset (the very worst case scenario).



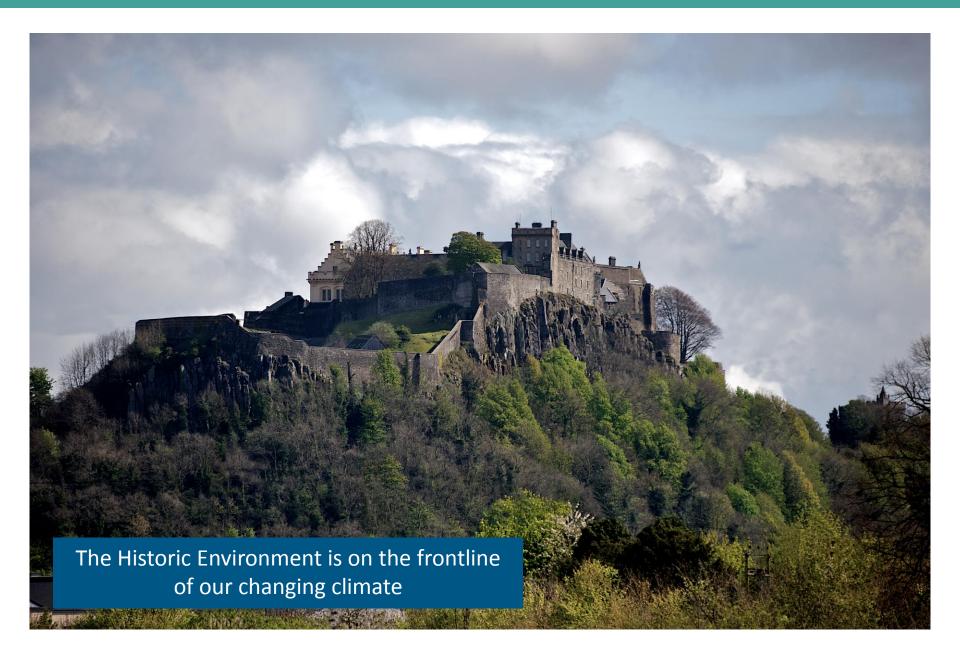
#ClimateHeritage

SCOTLAND'S CHANGING CLIMATE

IMPACTS ON THE HISTORIC ENVIRONMENT







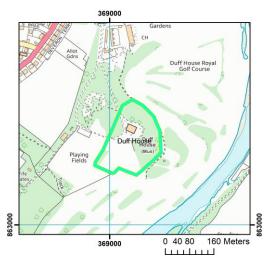


IMPACTS



Fluvial flooding risk at Duff House – hazard maps ©SEPA

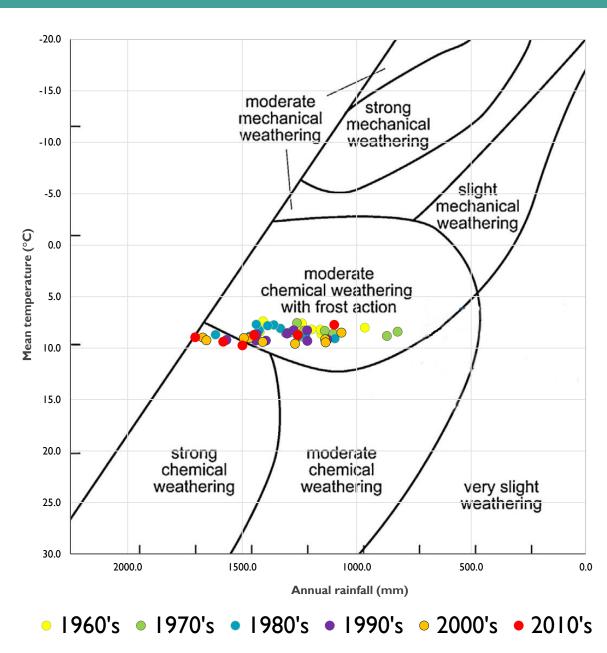






Is they way our building stone is decaying / weathering changing?





IMPACTS



Caerlaverock Castle

Iona Nunnery

