

# How are the UKCP18 land projections connected?

## Probabilistic projections

- RCP8.5
- RCP6.0
- RCP4.5
- RCP2.6
- SRESA1B



×3000 samples

CO2 Pathways

Met Office  
"Simple" Model

Met Office  
Regional Model

Met Office & CMIP5  
Earth System Models

Met Office Model  
HadCM3

## Global (60km) projections

RCP8.5



×28 members

CMIP5 Climate  
Models

×13

Met Office Global Model,  
HadGEM3-GC3.05

×15

Boundary  
Conditions

## Regional (12km) projections

RCP8.5



×12 members

Met Office Regional  
Model\*

×12

Boundary  
Conditions

## Local (2.2km) projections

RCP8.5



×12 members

Met Office Convection-  
Permitting Model+

×12

## Derived projections (60km)

- RCP2.6
- 2°C World
- 4°C World



Derived from 28 global projections

\*similar to global model but set up for regional simulations (HadREM3-GA705) +model name is HadREM3-RA11M