

Low Carbon Futures -

Decision support for building adaptation in a low-carbon climate change future

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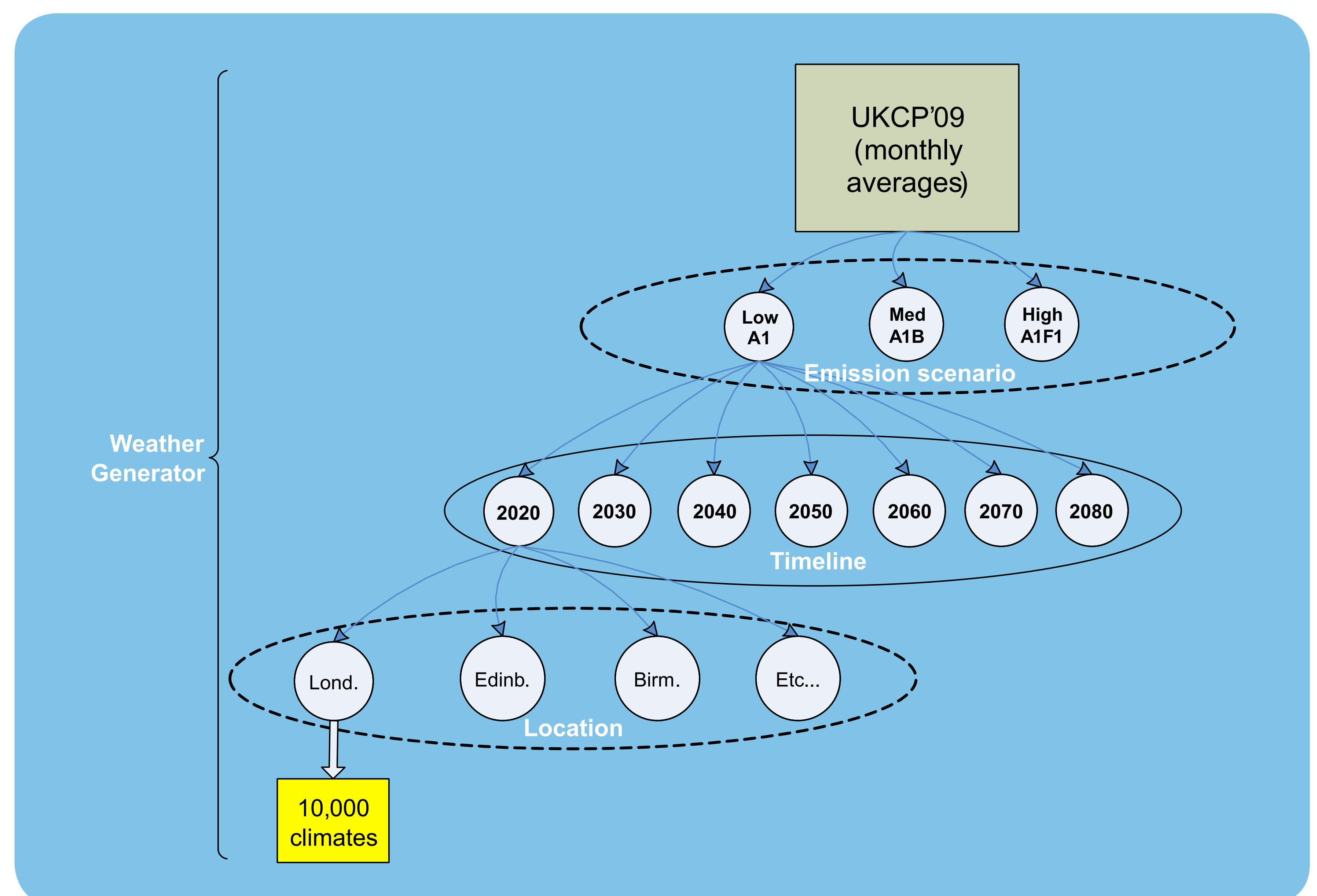
Climate Analysis

This three-year project aims to produce a practical design method for adapting both existing and new buildings using UKCP'09 probabilistic climate projections. Building simulation (ESP-r) will provide estimations of the risk of building "failure" for a future climate, and the adaptation scenarios that might diminish this problem.

Practitioners

The project team will be liaising with architects such as Bennetts, who were behind the University of Edinburgh Informatics building (pictured). Real case-studies can thus be used to identify adaptation scenarios for reducing excessive overheating for future climates

Workshops with facilities managers will be used to tailor the project outputs, providing a tool to enable designers to manage the risk of their buildings overheating in the future



Overheating risk analysis

