

**Humphrey Lean, Met Office**

Humphrey has a BSc in Physics from the University of Bristol, UK and PhD in low temperature physics (superconductivity) from the Cavendish Laboratory, University of Cambridge, UK. In his early career he worked as a postdoc in Cambridge on high temperature superconductivity and on the plasma fusion programme at the United Kingdom Atomic Energy Authority Culham Laboratory. Since joining the Met Office Humphrey has worked on high resolution models, leading a project to develop km scale models during the 2000's. He now leads the Met Office project to develop 100m scale (often referred to as Urban-scale) models. His main scientific interests are in the areas of convection, urban meteorology and orographic rain. He is a PI on the WesCon/WOEST field campaign and the ParaChute project and is leading the Met Office high resolution modelling contribution to the WMO Paris 2024 Olympics Research Demonstration Project.