CAPTIONS AND PHOTO CREDITS: Climate Science May 30/24

**1/ Video of UK and US studies**

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*Data source: ERA5 (C3S/ECMWF).*

Caption: UK weather comparing resolution of a typical climate model and weather forecast model (top).

**2/ Photos Professor Myles Allen**

Image (Professor with globe and blackboard)

Photo credit: Martin Small

Caption: Professor Myles Allen, Oxford University Physics, Head of Climate Science

**3/ Photos Dr Nicholas Leach**

Image, (Man with glasses and plasma ball or blackboard)

Photo credit: Martin Small

Caption: Dr Nicholas Leach, who led the Oxford University Physics study of the N.W. Pacific Heatwave.

**4/ Videos illustrating how AI and Machine learning will enable increasingly more local predictions of climate change impacts**

**(**This is the topic of climate science sessions being led by Oxford University Physics at the UN AI for Good session opening tomorrow (30/5) in Geneva)

Caption : The videos give a comparison between the limited resolution of current climate models and next generation, more local models using the new approach.

Two movies to download the "1deg" movie shows the simulation of clouds at the resolution of a typical climate model (around 100km resolution), and the "005deg" shows the simulation of clouds using a next generation km-scale (around 5km resolution). Copyright Oxford University Physics

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305.3 MB

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322.8 MB

**5/ Images showing the difference**

Also attaching two stills images, above, making the same point as the videos in 2.

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