

# Al for Weather and Climate

<u>Kenji Takeda</u> Research Incubations

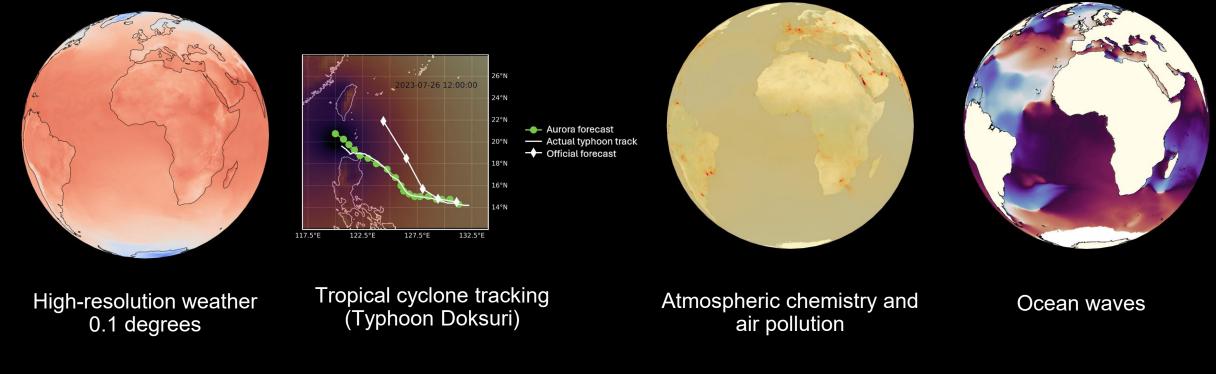
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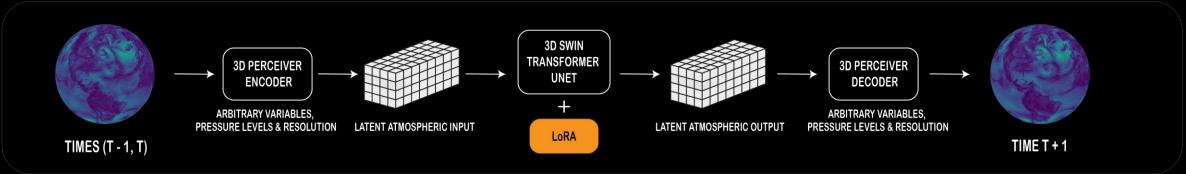


## What if we could create a single foundation model of the Earth system?



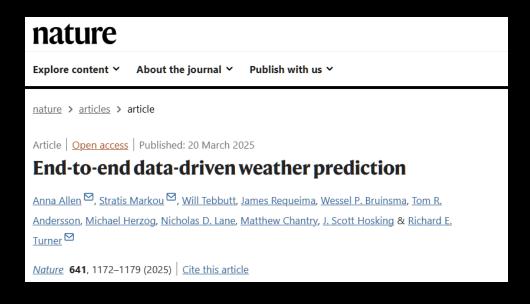
### Aurora: A foundation model for the earth system

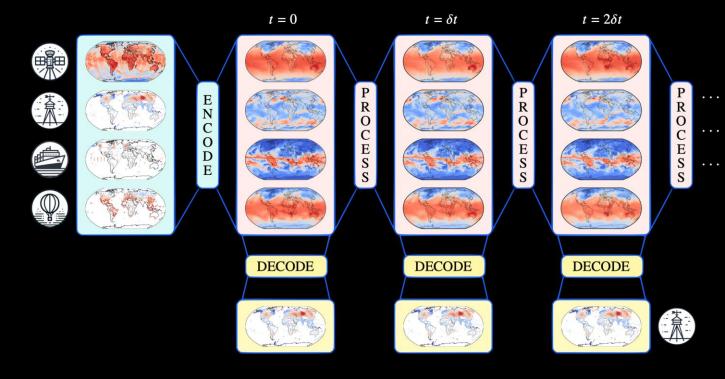




#### From observations to forecasts

#### Aardvark – end-to-end AI weather forecasting system







The Alan Turing Institute









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"One of the reasons Microsoft is such an exciting partner for us is that we feel that there is much more value that can be extracted from our data by other people as well as by us."

Penny Endersby
Chief Executive Officer of the Met Office





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