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The WOD framework for weather forecasting

Ólafur Rögnvaldsson, Logi Ragnarsson, and Karolina Stanisławska

Belgingur Ltd., Reykjavik, Iceland

Belgingur Ltd. has created a novel weather forecasting framework, called Weather On Demand – WOD, that can be deployed in the cloud and customised for any location world-wide at a very short notice.

The WOD framework is a distributed system for:

- gathering upstream weather forecasts and observations from a wide variety of sources
- triggering scheduled or on-demand jobs
- running the WRF weather model for data-assimilation and forecasts
- processing data for long to medium-term storage
- making results available through APIs
- making data files available to custom post-processors

Much effort is put into starting processing as soon as the required data becomes available and in parallel when possible. The software is maintained in Git and can be installed on suitable hardware in a matter of hours, bringing the full flexibility and power of the WRF modelling system at your fingertips.