H13

Triggered Water Model Time Series Evaluations Through the Distributed Model on Demand Platform

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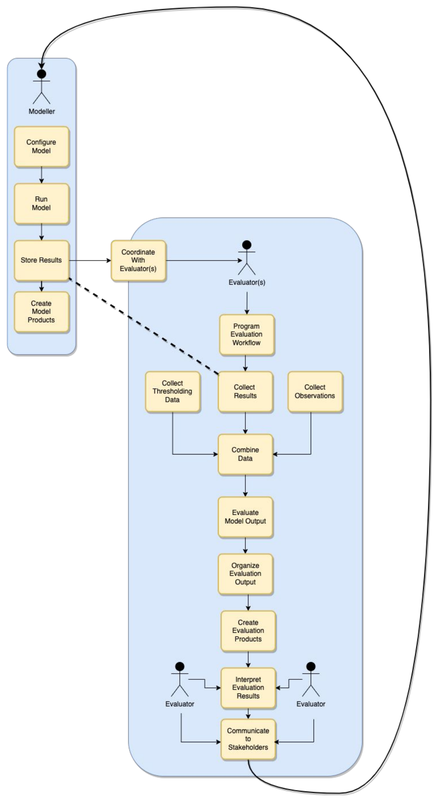
What is the Distributed Model on Demand Platform?

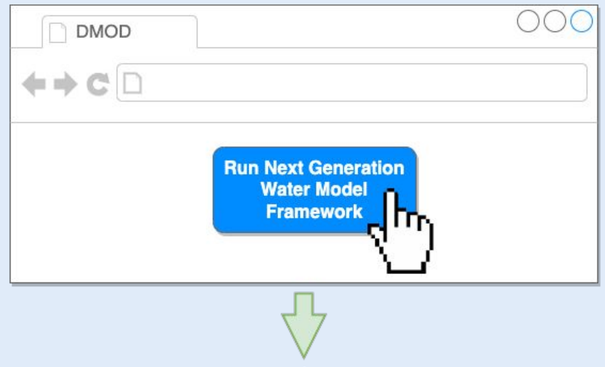
The Distributed Model on Demand Platform, or DMOD, is an open source software service suite that may be used to organize, launch, analyze, and disseminate user driven model development efforts with the Next Generation Water Modelling Framework.

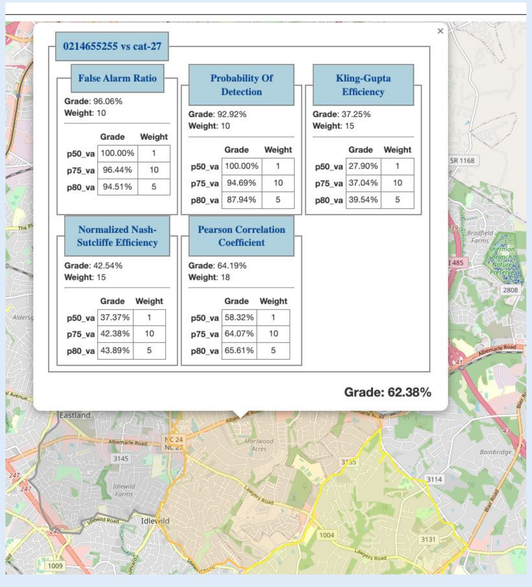
Model and Evaluation Without DMOD

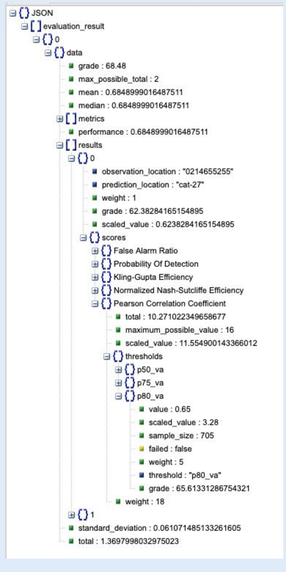


Modelling and Output Evaluation is a long and involved process without access to the automation tools provided by DMOD

The Distributed Model on Demand Platform Provides an Automated Pipeline that Reduces the the Time and Effort Needed to Interpret Modelling Outcomes





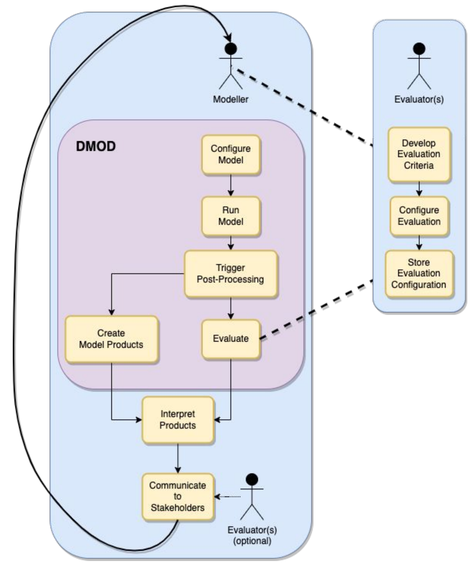


Automating the execution of evaluations to run as models complete cuts down on overall workflow complexity, makes the overall modeling and analysis process more streamlined, makes evaluations more repeatable, and requires fewer experts

What is a triggered evaluation?

A triggered evaluation is a preconfigured evaluation that runs **automatically** when an instance of a Distributed Model on Demand modelling process completes.

Model And Evaluation With DMOD



Modelling and Output Evaluation requires less human intervention and is largely hands-off when using the automation tools provided by DMOD

Takeaways

Modelling analysis may be expedited by automatically evaluating model output when the Distributed Model on Demand completes a configured model run. This lowers the requirements for time and manpower needed to gather intelligence on model performance and communicate results.

In Partnership With: Lynker

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