One-page summary · DigiShape presentation registration, 19 November

AIWaM02 Forecast Assistant

> *"The amount of information keeps growing, while the expertise required to interpret it is becoming scarcer."*
>
> Rijkswaterstaat, AIWaM02 market consultation, p. 5

Thoughtful Oasis builds explainable AI for public-sector professionals who decide under time pressure. For Rijkswaterstaat we propose a **Forecast Assistant** that learns the characteristics forecasters reason with, finds comparable past situations, shows how unusual the current moment is, and keeps every step of the reasoning visible and editable by RWS's own experts.

What we propose

No new forecasting model, but an assistant on top of the models and data RWS already uses:

1. **The senior hydrologist's reasoning (redeneerlijn), made explicit:** characteristics and rules that experts can review, reject and improve; every change is tested on a benchmark before it is used. UR-06 · FC-03
2. **A situation briefing:** what changed, what drives it, which data is missing or doubtful, each statement linked to its source. UR-01 · UR-04 · UR-05
3. **Comparable historical situations**, found on readable characteristics, with how the models performed then and how those situations actually developed. UR-02
4. **How unusual is this moment?** A once-a-decade situation calls for more care than a once-a-week one; together with model disagreement and conflicting data, this tells the forecaster how far to trust the forecast. UR-03 · FC-02
5. **APIs and a user interface:** forecasters use the interface; RWS's data teams build on the API. TR-01



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Ministerie van Justitie en Veiligheid

Who we are

Thoughtful Oasis B.V. (Enschede) develops an AI engine for interpretable decision-making: it describes situations in characteristics that experts can read, check and change, so every suggestion can be traced back to its sources and its reasoning. The method is published (arXiv 2025).

Our decision-support system **Co-Commander**, built with the fire service of VNOG, has finished its pilot and is being deployed from January 2027; in a blind test, commanders rated its AI advice on par with advice written by experts. For the Ministry of Justice and Security we build Wet Open Overheid (Woo: Freedom of Information) tools.

Route

A short, paid, competitive proof of concept with several parties on RWS's historical data, as the first phase of one innovation partnership; then a pilot, operational deployment and continuous development, each with a go/no-go decision.

1 · several parties	2 · one party	3 · one party	4 · one party
Competitive proof of concept	**Pilot**	**Operational deployment**	**Continuous development**

Trust

ISO/IEC 27001:2022 certified; aligned with GDPR and the NIS2 basic quality mark; readiness for ISO/IEC 42001 (AI management systems) under way; EU AI Act process under way for Co-Commander.

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