

# DHMZ's AI-Based Three-Day Air Quality Forecast — Croatia Adapts Belgium's Machine-Learning ATMOSYS System

AI in the Public Sector · Good practice · Croatia

Quality score: 60/100

Evidence strength: Descriptive / self-reported

### Summary

Croatia's DHMZ launched a nationwide 3-day AI/ML air-quality forecast (PM2.5, PM10, NO2, O3) on 17 Jan 2025, adapting Belgium's EU-funded ATMOSYS system. 85% EU-financed under the AIRQ project; the underlying model is documented to struggle with peak pollution events.

### Key dimensions

| Dimension                                  | Score |
|--------------------------------------------|-------|
| Evidence of impact / measured public value | 1/3   |
| Transparency, fairness & accountability    | 1/3   |
| Transferability / demonstrated replication | 3/3   |
| Scalability beyond pilot                   | 2/3   |
| Governance, capability & sustainability    | 2/3   |

Evaluated by C-NAPSE

### Data sources

[C-NAPSE web research](#) — accessed 2026-09-08

[Croatian Meteorological and Hydrological Service \(DHMZ\), with VITO / IRCEL-CELINE \(Belgium\)](#) — accessed 2026-09-08

[Balkan Green Energy News: Croatia introduces three-day air quality forecast](#) — accessed 2026-09-08

[IRCEL-CELINE: ATMOSYS project documentation](#) — accessed 2026-09-08

[Croatia Week: Air quality forecast now available – a first for Croatia](#) — accessed 2026-09-08

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