

MiningWatch — Belgium's Data-Mining Tool for Targeting Social-Fraud Inspections

AI in the Public Sector · Good practice · Belgium

Quality score: 87/100

Evidence strength: Observational / pre–post

Summary

Since 2014, Belgium's federal social security service has used the MiningWatch data-mining tool to rank construction, cleaning and hospitality employers by fraud risk, lifting inspectors' detection success rate from 16% to 45% on a modest €200,000 annual budget.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-09-01

Federal Public Service Social Security (SPF Sécurité Sociale), with the Sociale Inlichtingen- en Opsporingsdienst (SIOD) and four federal social inspection services — accessed 2026-09-01

Belgian Federal Public Service Social Security — MiningWatch (datamining) — accessed 2026-09-01

European Labour Authority — MiningWatch, Belgium (good-practice fiche) — accessed 2026-09-01

ResearchGate — MiningWatch Data Analytics Tool, Belgium — accessed 2026-09-01

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