

12th IMF Statistical Forum

MEASURING THE IMPLICATIONS OF
**AI ON THE
ECONOMY**

NOVEMBER 20-21

Washington, DC

#StatsForum



STATISTICS

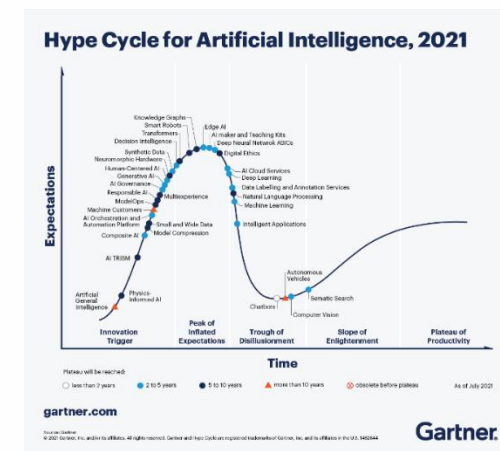
Towards a Dutch System for AI Monitoring

NOVEMBER 21, 2024

Barteld Braaksma
Statistics Netherlands (CBS)

Five years in the making...

- Summer 2019: Strategic Action Plan AI (Ministry of Economic Affairs)
- Autumn 2019: Launch of NL AIC (triple helix)
- **Summer 2020: NL AIC calls for system of AI monitoring (CBS with partners)**
- Spring 2021: National Growth Fund allocates 200 million euro for AI
- **Autumn 2021: First stocktaking (CBS, TNO, Elsevier) of potential AI indicators**
- Winter 2022: AiNed established to manage AI investment portfolio
 - ▶ Including reporting obligation through set of agreed KPIs
- **Summer 2022: AiNed asks TNO and CBS to compile KPIs ('narrow' AI monitoring)**
- **Spring 2023: Renewed request from NL AIC for 'broad' AI monitoring**
- **Winter 2024: CBS launches AI Monitoring initiative**
 - ▶ One of six prioritized Societal Challenges in CBS Multi-Annual Programme 24-28
- **Summer 2024: Initial AI Monitoring proposal from CBS**



AI monitoring

Current situation: fragmented picture with isolated indicators

- National
 - ▶ ICT Survey; digital skills; websites analysis, ...
 - ▶ AiNed KPIs
- International
 - ▶ International organisations: OECD.AI, AI Watch (EU), ...
 - ▶ Other initiatives: Oxford, Stanford and Tortoise indices, ...

Ambition: set up a coherent and comprehensive system of AI monitoring, to

- Inform AI policies
- Identify trends and gaps
- Learn from experiences
- Monitor AI adoption
- Collect citizens' perceptions
- Allow accountability
- Support debate



Towards a coherent and comprehensive AI monitor

Five pillars

- AI and Economy- e.g. economic growth, comparison of (non) adopters
- AI and Society- e.g. AI perceptions and uptake
- AI and Employment- e.g. changes in labor market and educational needs
- AI and Sustainability- e.g. use of energy and rare materials
- AI and Government- e.g. e.g. investments in and use of AI methods

Special attention for

- Regionalization
- Relation with other societal challenges (e.g. inequality, globalization, Green Deal, ...)
- Impact on specific industries (e.g. healthcare)



Ideas for 2025

Suggestions, mostly still at ideation phase

- Expand ICT Survey- extra questions, additional industries
- New AI module in Citizens' Perceptions Survey
- AI module in Employee Satisfaction Survey
- Energy use by AI systems (global footprint, experimental)
- AI productivity analysis (experimental)
- ...

Stakeholder consultation

Sketch of overall framework for AI statistics

Communication

- Website collecting all readily available AI-related statistics (not restricted to CBS)
- Yearbook 'State of AI' including core statistics and background articles



"IT FIGURES. IF THERE'S ARTIFICIAL INTELLIGENCE, THERE'S BOUND TO BE SOME ARTIFICIAL STUPIDITY."



General strategy

- Start small (limited resources) from own ideas
- Step by step approach (growth model)
- Combine top-down (overall framework) and bottom-up (concrete building blocks)
- Collaborate with partners (national and international)
- Organize national stakeholders consultation (government, researchers, . . .)
- Match ambition with resources (!)

- **Stimulate international harmonisation and collaboration**



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