



**ORGANIZATION OF
TURKIC STATES**



AI Working Group

Application areas of AI in the Hungarian tax and customs administration

GÁBOR MAGYAR
HEAD OF AI WG



NTCA & OTHER GOV INSTITUTIONS ARTIFICIAL INTELLIGENCE WORKING GROUP

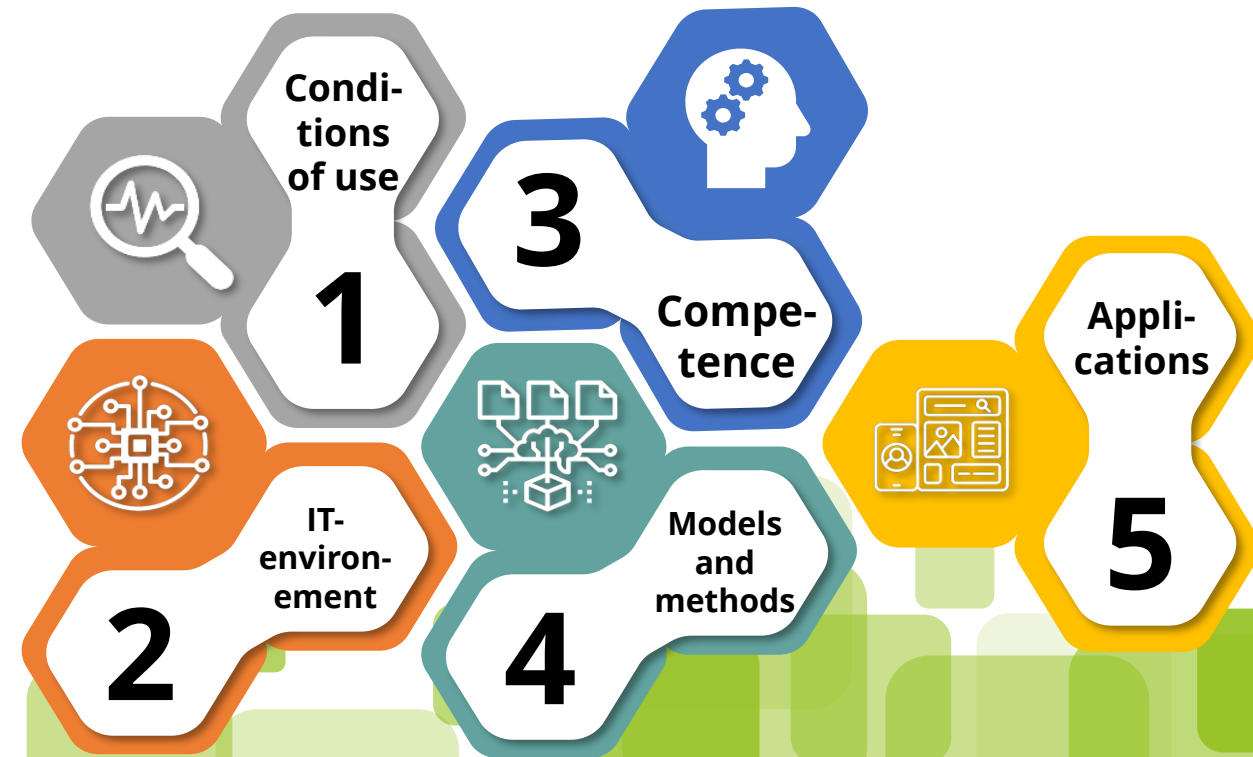
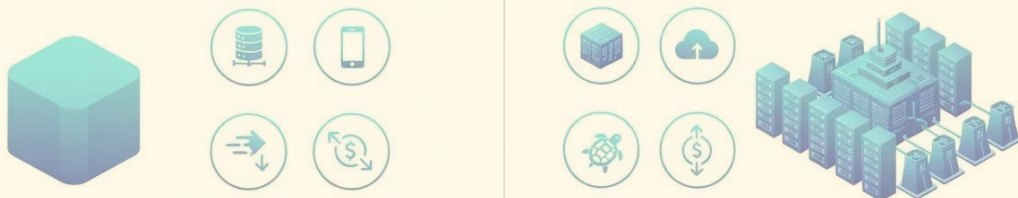
- Inter-agency working group, established by Gov Decree in Hungary - brings together ministries, gov agencies and academia
- The aim of the AI WG is
 - to exploit the values existing in the data assets of the NTSC and other gov agencies
 - put the synergy of scientific methodologies and domain experiences at the service of public good



Our approach

- **Increase efficiency** in repetitive, routine tasks, so skilled workforce can deal with essential tasks.
- Transition **from declaration-based to event-based operation**: real-time analytics on big data.
- **Serving taxpayers**: adaptive, well-targeted information (deadlines, duties, options).
- **Impact assessments and forecasts**: make the most of data and react faster. Data-rich tax policy analyses.
- It **does not replace** domain expertise.

SLM vs. LLM dilemma

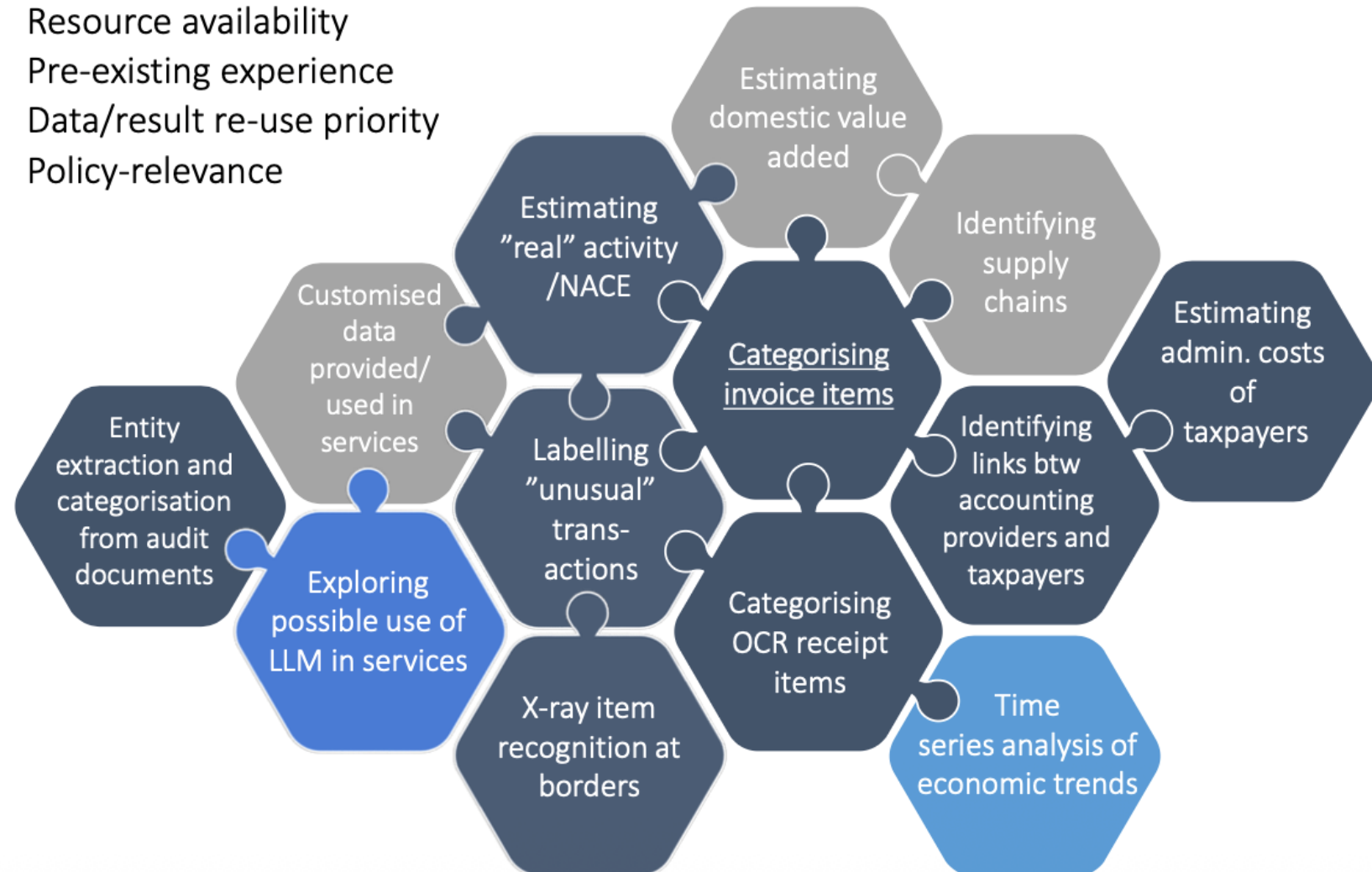
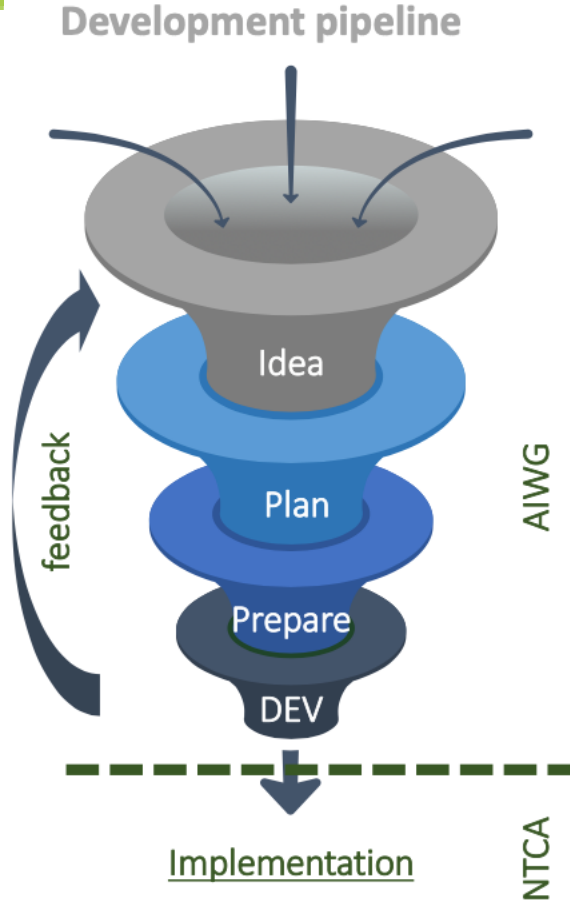




Projects building on each other

Drivers:

- Resource availability
- Pre-existing experience
- Data/result re-use priority
- Policy-relevance



Main areas of application



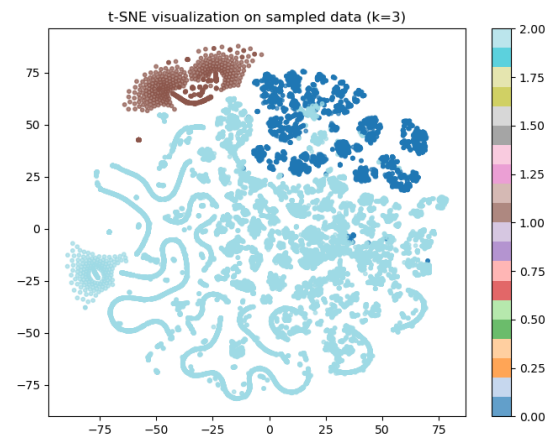
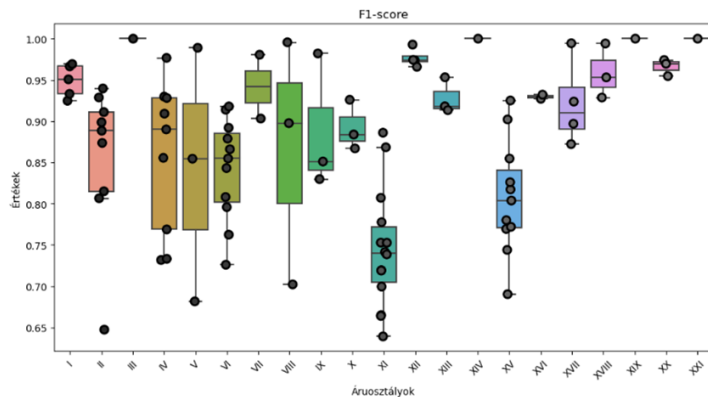
- risk analysis
- personalized customer relations
- support for office work
- support for legal activities
- synergy in cooperation with other government institutions

Main areas of application



- risk analysis
- personalized customer r
- support for office work
- support for legal activities
- synergy in cooperation w

Online invoice categorization
Checking for "unusualness" of invoice data
Main activity recognition
Identify the clientele of accountants/auditors
Recognize fraudulent networks
... e.t.c...



Main areas of application



- risk analysis
- personalized customer relations
- support for office work
- support for legal activities
- synergy in cooperation with other

GenAI (SLM/LLM) Applications
customer service support (chat, e-mail, voice UI),
support daily tasks of administrators, data
specialists and IT staff
(repetitive routine tasks - like document
processing, data extraction, transcription of audio
materials, documentation of codes)
... e.t.c...

Main areas of application



- risk analysis
- personalized customer relations
- support for office work
- **support for legal activities**
- synergy in cooperation with other

Network analysis of references to court decisions in
tax litigation
AI analysis and structuring of tax admin's internal
regulations
... e.t.c...



Digital transition
Data Asset Management development
developing AI skills of employees

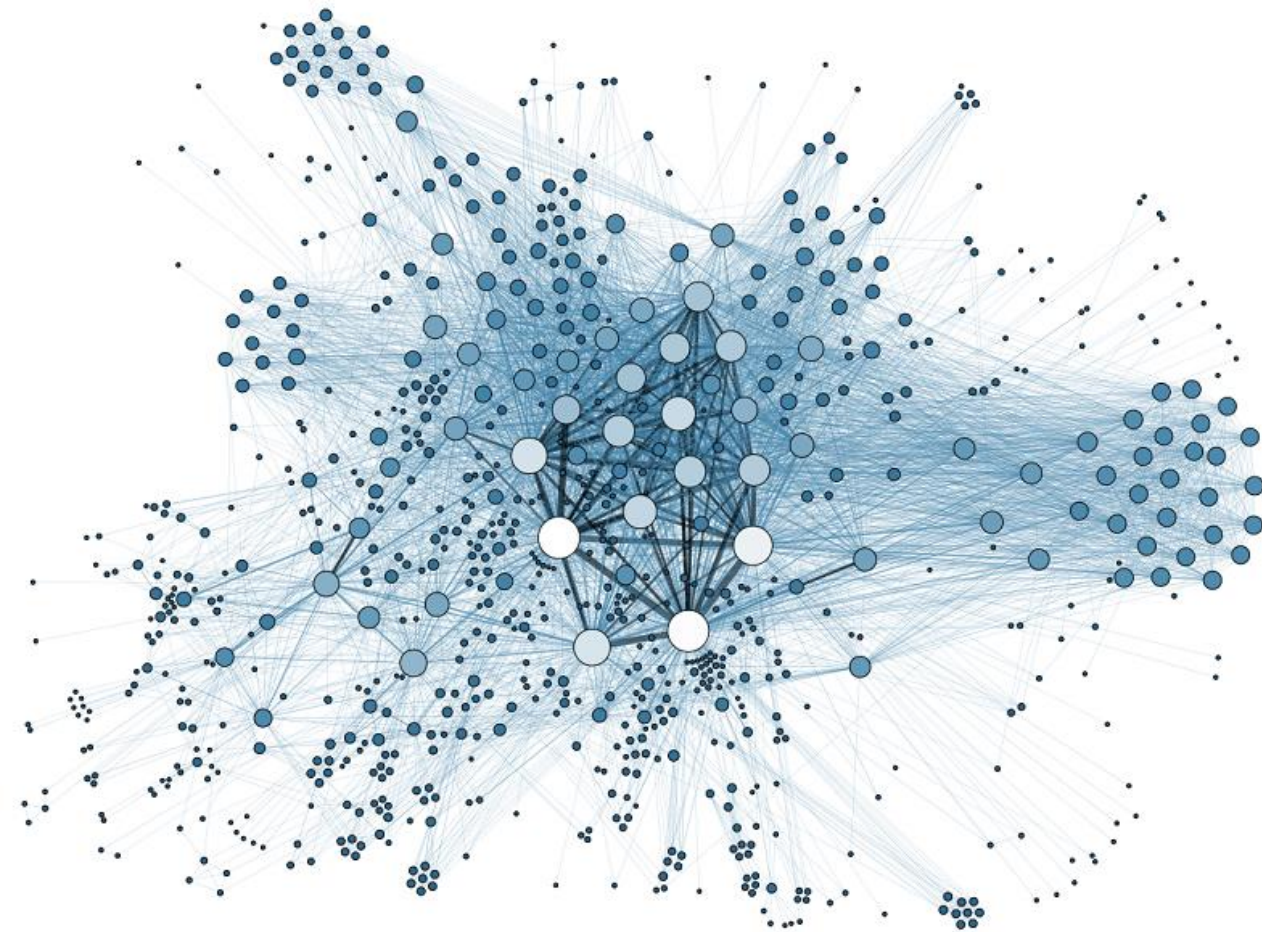
- risk analysis
- personalization
- support for
- support for
- synergy in

It's a Marathon,
not a sprint





Thank you
for your attention !



NTCA AI WG

<https://www.NTCA.gov.hu/mimcs>