

Net4Society

Collaborative online Brokerage event:

**“Artificial intelligence in Horizon Europe calls:
an interdisciplinary challenge”**

Flash Presentation



Industrial Operational Support LLM and more

- ▶ A bilateral joint project idea between Türkiye and Greece partners, looking for more to transitioning the scope into a EU project
- ▶ Tool using AI that can use simulations and other traditional AI forecasting tools
- ▶ A lang model that can understand numerical process data and have regression skills
- ▶ Human-AI education and support tool

Topics of interest

We have expertise in Simulations, Process Optimization, Physics Informed ML and AI in industrial processes.

We have 12 HORIZON projects completed, 7 ongoing.

Additionally, we have four refineries in Türkiye as one of the largest industrial companies in the area.

We can craft a complete use-case that can focus on health, safety, environment and energy.

Role in the STEM-SSH collaboration

We are looking for more partners and/or coordinator to transition our initial idea to an EU project or,

We can join an ongoing consortium with our use-case.

An example WP:

Technical Expertise:

- ▶ Data driven decision making support
- ▶ PINNs, RNNs and Deep models
- ▶ Optimization Problems

Crafting an Use Case

- ▶ Energy intense production
- ▶ Carbon footprint reduction and renewables
- ▶ High risk work environment, H&S

Contact us!

TÜPRAŞ R&D Department
Large Industry (Oil & Gas) from Türkiye



Ocan Sahin ✓

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**Thank you
for listening!**

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