StairwAI - A new service layer

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Aims

The StairwAI project aims to create a bridge between users in a low-tech level to the higher-level AI resources. The project will do this by facilitating low-tech users' engagement on the AI on-demand Platform. This will be achieved through a new service layer enriching the functionalities of the on-demand platform and containing:

(1) a multi-lingual interaction layer enabling conversations with the Platform in the user's own language,

(2) a horizontal matchmaking service for the automatic discovery of AI assets (tools, data sets, AI experts, consultants, papers, courses etc.) meeting the user requirements and,

(3) a vertical matchmaking service that will dimension and provision hardware resources through a proper hardware provider (HPC, Cloud and Edge infrastructures).

Objectives of the StairwAI project

Societal:

- To provide a framework compliant with the principles of ethical AI use

Technological:

- To ease the access to the AI-on-demand platform through natural language interaction
- To satisfy the end user needs through horizontal matchmaking services
- To dimension the physical resources of the AI on demand platform with end user requirements

Economic:

- To contribute to strengthen the European SMEs –including low tech SMEs –and DIH
- To promote the sustainability of the AI on-demand platform
- To reduce fragmentation of AI research and development

AI techniques in use

- Natural language processing (NLP) in different languages for easing low-tech users'interaction
- Knowledge representation for organizing the platform AI assets, reputation and fairness mechanisms
- Constraint solving, optimization and machine learning to satisfy users'business needs

Open calls

60 SMEs in low-tech sectors will be funded.

Pilot calls:

28 low tech SMEs will be selected in two different Open Calls: StaiwAI will support the preparation of the feasibility plan for the adoption of AI solutions by the low-tech sector SMEs and delivering a pilot for the adoption of AI.

Call for adopters:

32 low tech SMEs will be selected in one Open Call: StairwAI will support just the feasibility plan for the adoption of previously piloted AI solutions by low-tech sector SMEs.

Most suitable track

Envisioning the future

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Primary authors: Prof. MILANO, Michela (University of Bologna); Dr CASTAÑE, Gabriel G. (University College Cork)

Presenters: Prof. MILANO, Michela (University of Bologna); Dr CASTAÑE, Gabriel G. (University College Cork)

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