

AGIR Project Proposal

2023-2024

Title (titre):

Provide a title of your project / Donnez le titre de votre projet

Early Depression Prediction

Partner/Client (partenaire/client):

Provide the name of the partner/client of the project (association, company, community, research lab, department, etc.) / Donnez le nom du partenaire/client de projet (association, entreprise, communauté, laboratoire de recherche, département, etc.)

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Dimensions (dimensions):

TECHNIQUE / SOCIETALE / SCIENTIFIQUE / METHODOLOGIQUE / ARTISTIQUE / AUTRE

Highlight the dimensions of your project. Several dimensions can be specified. If you select "Other" (AUTRE), please specify / Soulignez les dimensions de votre projet. Plusieurs dimensions peuvent être spécifiées. Si vous sélectionnez "Autre", veuillez préciser

Summary including Objectives and Deliverables (résumé y compris les objectifs et les livrables):

Provide a short summary of your project clarifying the main objectives and deliverables / Ecrivez un court résumé du projet, en précisant les objectifs et les livrables attendus

This project calls for a participation in CLEF eRisk 2026 challenge (<https://erisk.irlab.org/>). Three tasks are proposed:

- **Task 1. Conversational depression detection:** detecting depression through conversational agents. The challenge is to determine whether each LLM persona exhibits signs of depression and, within a limited conversational window, identify active depressive symptoms and the overall depression level. The LLM personas will reflect different severity levels guided by the BDI-II questionnaire, allowing systems to be evaluated across a spectrum of simulated depression.
- **Task 2. Contextualised Early Detection of Depression:** detecting early signs of depression by analyzing full conversational contexts. Participants must process user interactions sequentially, analyze natural dialogues, and detect signs of depression within these rich contexts. Texts will be processed chronologically to simulate real-world conditions, making the task applicable to monitoring user interactions in blogs, social networks, or other types of online media.
- **Task 3. ADHD Symptom Ranking:** sentence-level retrieval for the **18 symptoms** defined in the Adult ADHD Self-Report Scale (ASRS-v1.1). Participants must rank candidate sentences by

their relevance to each symptom. A sentence is considered relevant when it conveys information about the user's state with respect to the target ADHD symptom (irrespective of polarity or stance), encouraging models to capture clinically meaningful evidence rather than surface keywords.

References (références):

(If known) Provide references including articles, websites, software, etc. / Donnez la liste bibliographique y compris les articles, sites web, logiciels, etc.

Project Team (groupe-projet):

(If known) List people involved in the project / Donnez les noms de personnes impliquées dans le projet.

Provide their affiliation / Donnez leur affiliation.

Give the name of the team coordinator (contact person) and specify if the team is open for new members and if yes, how many / Donnez le nom de personne qui porte le projet et précisez si l'équipe est ouverte à accueillir de nouveaux membres et si oui, combien.