

# CALL FOR EXPRESSIONS OF INTEREST (EOI): Drafting Technical Specifications and Developing a Minimum Viable Product (MVP) for the PREZODE Modular Platform

## 1. GENERAL CONTEXT

PREZODE (Preventing Zoonotic Disease Emergence) is an international initiative that aims to strengthen the prevention of emerging zoonotic diseases through an integrated One Health approach. Since its inception, the development of a digital platform for data management has been one of its core objectives. To support the design and development of this platform, the Steering Committee has established an international data expert group, the PREZODE International Data Working Group (IDWG-e), which began its work in October 2024.

The IDWG-e has developed the concept of a modular digital platform, which was approved by the Steering Committee following an in-depth consultation phase. The platform will consist of three interconnected modules:

- **MODULE 1 – Project catalogue:** A space for indexing and cataloguing projects working on the prevention of zoonotic diseases worldwide and for networking their teams (graphical visualisation and public profiles). The option of storing certain project data on the platform remains open, depending on associated storage costs.
- **MODULE 2 – Science-Society liaison tool:** An interactive interface to identify and convey local needs to the scientific community. The aim is to facilitate the co-development of concrete disease prevention projects by bridging science and local communities. Data storage will also be conditional on costs here.
- **MODULE 3 – Data analysis and integration:** An advanced module for integrating and analysing multi-source data to assess and prevent health risks. This module will be able to leverage data from MODULES 1 and 2 via interoperability.

The purpose of this expression of interest (EOI) is to inform service providers about the upcoming call for tenders to be published around September 2025, which will cover, at a minimum, the following deliverables:

- Drafting comprehensive technical specifications for all three modules based on the functional specifications provided.
- Developing an MVP (Minimum Viable Product) for at least one module, with priority given to MODULE 1 and MODULE 2.
- Creating a visual (non-functional) prototype for the MODULE 3.

**Each deliverable should be costed separately in the proposal.**

## 2. DESCRIPTION OF THE ASSIGNMENT

The service provider will be expected to carry out the following tasks:

- Analyse the existing functional specifications (which will be provided as part of the tender).
- Draft a structured technical specification document covering software and technical architecture, interoperability, FAIR principles and security.
- Develop specific technical recommendations for integrating artificial intelligence approaches suited to the platform's modules, taking into account eco-design principles, digital sustainability, and vigilance regarding environmental and ethical impacts.
- Develop a functional MVP for one or two priority modules.
- Provide technical documentation, quality assurance, and user support.
- Produce a visual mock-up (e.g., using Figma or an interactive video) for the Module 3, where relevant.
- Based on prior PREZODE analysis, identify potential synergies or integration opportunities with other internal or external platforms.

## Implementation approach:

- The project will be carried out using a semi-agile methodology to ensure flexibility in incorporating stakeholder feedback throughout the development process.
- A group of beta testers will be mobilised to progressively test functionalities, validate identified needs and provide regular feedback.
- Interim deliverables are expected every two to three weeks, enabling the project team and testers to conduct functional reviews and ensure an incremental, collaborative build of the modules.

## 3. REQUIRED PROFILE

The service provider should:

1. Have proven experience in developing modular information platforms, scientific activity repositories, or collaborative project hubs.
2. Have expertise in client-server, multi-layer, API-first, interoperable web architectures using state-of-the-art technologies such as React, Vue, PostgreSQL, Neo4j, etc.
3. Demonstrate experience in integrating artificial intelligence solutions applied for data management or analysis (e.g., predictive modelling, classification, automated matching, augmented visualisation, recommendation engines, automated extraction, NLP, etc.). Ensure eco-responsible design and compliance with digital accessibility standards (e.g. RGAA) and low environmental impact.
4. Embrace a responsible digital culture by systematically integrating principles of accessibility, eco-design, and digital sustainability, particularly when employing AI technologies.
5. Provide the following: team CVs, a letter of interest, relevant references, and technical ideas.
6. Demonstrate experience in ensuring compliance with data protection and security requirements, including GDPR.

## 4. INFORMATION FOR INTERESTED COMPANIES

The purpose of this expression of interest (EOI) is to provide interested companies with advance notice of the expected call for tenders, which is scheduled for around **1 September 2025**. Companies can express their interest now and request to be notified upon publication by contacting: **Paula Caceres** ([paula.caceres@inrae.fr](mailto:paula.caceres@inrae.fr)) and **Michel Bamouni** ([michel.bamouni@inrae.fr](mailto:michel.bamouni@inrae.fr)).

If questions are received from interested companies, an online space will be made available to publish both the **questions and the answers**, so that all applicants have access to the same information.

**INTERNATIONAL COMPANIES:** Foreign companies may apply to this French public procurement procedure provided they submit the required documents from their country of origin (or their equivalents) along with translations where necessary. Participation is subject to the reciprocity conditions applicable between France and the country in which the company is established.

For information purposes, the following elements may be requested as part of the upcoming call for tenders:

- A concise summary note rephrasing the needs (1 page); the proposed methodology to address them; and the profiles and competencies of the team members involved.
- References to similar projects.
- A separate technical and financial proposal based on Section 2 “Description of the assignment”.
- A delivery plan (including delivery methods and frequency of interim deliverables).
- Commitments to eco-responsibility, digital sustainability, and compliance with digital accessibility standards (RGAA).

## 5. CLARIFICATIONS

- This EOI does not carry any contractual value.
- The future tender will be open to any interested company, in line with French public procurement regulations.
- The selected company may, depending on the quality of the collaboration and once the assignment is completed, be considered **as a strategic partner** for future international consortia linked to the PREZODE platform.