

# Answers to Questions on request for proposal for DHIS2 System Developer in reference to PF-NP-CO-2024-11-27

## 1. Dashboard Design and Data/Indicators Tracking for USAID Integrated Nutrition Program

We understand that the primary goal of this project is to create a dashboard that will support multiple stakeholders in making data-driven decisions to improve the USAID Integrated Nutrition Program. From an M&E perspective, it is critical for us to fully understand the activities and the list of data and indicators that should be tracked to effectively measure program achievements and outcomes. This insight is fundamental because the dashboard will be built around the data and indicators that need to be recorded and visualized. Would like to request if it's possible to share the log frame or any related documents that detail the indicators and data points that should be tracked in the project? If available, this will be incredibly helpful in aligning the dashboard development with the needs of the project.

The primary goal of the dashboard for DHIS2 is to support multiple stakeholders by providing actionable insights through data-driven decision-making for the USAID Integrated Nutrition Program.

- The log frame, indicators, and data points to be tracked will be shared as soon as the consultant is onboarded. These documents are essential for ensuring alignment between dashboard development and program objectives.
- The dashboard will visualize data to track program achievements and outcomes effectively, with a focus on input, output, outcome, and impact indicators.

## 2. DHIS2 Development and Customization: Language and API Integration

As outlined in the project proposal, consultant is tasked with designing, building, and configuring DHIS2 for the USAID Integrated Nutrition Program. We would like to confirm whether the project has specific language requirements for development and customization. For example, is there a preference for programming languages like Java or Python to be used during the development phase? Additionally, we would appreciate clarification regarding the software used for developing the API gateway integration with DHIS2. Is there a preferred technology or software that the project intends to use for this purpose? Please clarify.

The consultant is expected to customize and configure DHIS2 while adhering to the following requirements:

- **Programming Languages:**
  - While there is no strict preference, Python and Java are widely used for DHIS2 development and are recommended for compatibility.

- Consultants may propose other languages, provided they align with project objectives.
- **API Gateway and Interoperability:**
  - DHIS2's data will be exported to other systems, primarily the Project Management System. To ensure seamless integration, data should adhere to interoperability standards and maintain consistency.
  - The developer may need to create middleware to facilitate communication between DHIS2 and other applications.

We welcome suggestions from the consultant to achieve robust and secure data exchange solutions.

### **3. Use of DHIS2: Open-Source or Closed-Source Software**

Finally, we would like to know whether consultant is expected to use the existing open-source DHIS2 platform or if there is a requirement to develop a new, closed-source software system. If NHN is expected to use DHIS2 as-is, are there any specific customizations or modules that need to be developed, or should NHN consider developing a completely new solution from the beginning?

- The project will utilize the existing open-source DHIS2 platform.
- The consultant is expected to:
  - Configure, customize and develop all necessary modules to meet program-specific data needs.
  - Ensure the platform's capabilities align with the USAID Integrated Nutrition Program's requirements.
  - Develop middleware or additional configurations if needed to address system interoperability.
- No new or closed-source software will be built or developed for this project.

This approach ensures that the project leverages the strengths of DHIS2 while addressing specific data and system requirements.