

Strengthening national nutrition information systems in Lao PDR, Ethiopia, Côte d'Ivoire, Uganda and Zambia



Annual gathering report 2022

**A hybrid conference:
in person in Lusaka, Zambia and online**



Contents

Abbreviations and acronyms	iii
1. Introduction	1
1.1 The EC-NIS project	2
1.2 Objectives of the meeting	3
1.3 Opening remarks	3
2. Presentation from country teams	5
2.1 Technical working groups and steering committees	5
2.2 Progress of implementation in Year 3 (2022)	5
2.3 Highlights of key achievements in Year 3	12
2.3.1 Côte d' Ivoire	12
2.3.2 Ethiopia	13
2.3.3 Lao PDR	13
2.3.4 Uganda	14
2.3.5 Zambia	14
2.4 Challenges and recommendations	15
2.4.1 Côte d' Ivoire	15
2.4.2 Ethiopia	15
2.4.3 Lao PDR	15
2.4.4 Uganda	16
2.4.5 Zambia	16
2.5 Next steps for 2023 and 2024	17
2.6 Lessons learnt and best practices	18
2.7 Project logical framework	20
2.8 Knowledge-sharing and documenting the project	20
2.8.1 Côte d' Ivoire	20
2.8.2 Ethiopia	20
2.8.3 Lao PDR	20
2.8.4 Uganda	20
2.8.5 Zambia	21
2.9 Communication and visibility	21
2.9.1 Côte d' Ivoire	21
2.9.2 Ethiopia	21

2.9.3 Lao PDR	22
2.9.4 Uganda	22
2.9.5 Zambia.....	23
3. Global level activities	24
3.1 Coordination between EC-NIS and NIPN initiative	24
4. Project Steering Committee updates.....	26
4.1 NNIS: “The Fundamentals Series”	26
4.2 NNIS: Technical Notes.....	26
NNIS: additional Technical Notes.....	26
4.3 Global DHIS2 Nutrition Module (NUT).....	26
4.4 Administrative Data Guide for Nutrition	27
4.5 DHIS2 Nutrition Module (NUT) - Next steps	27
4.6 Guidance on the use of nutrition data from HMIS/DHIS2	28
4.7 Development of a DHIS2 nutrition tracker	28
5. Summary of next steps	30
6. Closing remarks.....	30
List of annexes	32
Annex 1. List of participants.....	33
Annex 2. Annual gathering 2022. Terms of reference and agenda	35
Annex 3. Project logical framework (updated at end 2022)	38

Abbreviations and acronyms

ACF	Action Contre la Faim
AFRO	WHO Regional Office for Africa
AVSI	Association of Volunteers in International Service
BMGF	Bill & Melinda Gates Foundation
BMI	Body mass index
C4N	Capacity for Nutrition
CSE	Chargés de la surveillance épidémiologique
CSC	Country Steering Committee
DFID	Department for International Development (of the United Kingdom)
DHIS	District Health Information System
DD	Directions au niveau district
DHO	District health officer
DIIS	Direction de l'Informatique et de l'Information Sanitaire
DQA	Data quality assessment
E4H	Evidence for Health
EC	European Commission
ECOWAS	Economic Community of West African States (CEDEAO)
ESARO	Eastern and Southern Africa Regional Office
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
FY	Financial year
GIZ/NIPN	Deutsche Gesellschaft für Internationale Zusammenarbeit/NIPN Project
GMP	Growth monitoring and promotion
GNMF	Global Nutrition Monitoring Framework
HQ	Headquarters
HMIS	Health Management Information System
ICT	Information and communication technology
IDSR	Integrated Disease Surveillance and Response
IFA	Iron and folic acid
IMAM	Integrated Management of Acute Malnutrition
IT	Information technology
IYCF	Infant and Young Child Feeding
LWF	Lutheran World Federation
M&E	Monitoring and evaluation
MCH	Mother and child health
MCHN	Maternal and child health and nutrition
MIS	Management information system
MNMIS	Multisector Nutrition Management Information System
MoH	Ministry of Health
MTI	Medical Teams International
NGO	Nongovernmental organization
NIPN	National Information Platform for Nutrition
NIS	Nutrition Information System
NNIS	National Nutrition Information System
NUT	New nutrition module (DHIS2)
ODK	Open data kit

PIP	Project Implementation Plan
PLW	Pregnant and lactating women
PMT	Project Management Team
PNMIN	Plateforme Nationale Multisectorielle d'Information en Nutrition
PNN	Programme National de Nutrition
PSC	Project Steering Committee
RDQA	Routine data quality audit
RMNCAH	Reproductive, Maternal, Newborn, Child and Adolescent Health
SAM	Severe acute malnutrition
SD	Seqota Declaration
SDG	Sustainable Development Goals
SIAR	Système d'Information Agricole Régional
SIDA	Swedish International Development Corporation Agency
SMART	Standardized Monitoring and Assessment of Relief and Transitions
SMIR	Surveillance intégrée de la maladie et la riposte
SNIS	Système national d'information sanitaire
SOP	Standard Operating Procedure
SUN	Scaling Up Nutrition (programme)
TOR	Terms of reference
ToT	Training of trainers
TWG	Technical Working Group
UBOS	Uganda Bureau of Statistics
UiO	University of Oslo
UNICEF	United Nations Children's Fund
UNHCR	United Nations High Commissioner for Refugees
UNISE	Unified Nutrition Information System for Ethiopia
USAID	United States Agency for International Development
VAC	Violence against children
VAS	Vitamin A supplementation
WASH	Water, sanitation and hygiene
WCARO	West and Central Africa Regional Office
WFP	World Food Programme
WHO	World Health Organization
WPRO	WHO Regional Office for the Western Pacific
Y	Year (of project)

1. Introduction

Every year, the EC-NIS project organizes a global gathering to review efforts and reflect on marked progress. The gathering was held this year on 27 October 2022. It also served as a midterm evaluation to assess the rate of implementation and identify activities and efforts that need to be stepped up in 2023 and into the first quarter of 2024.

The United Nations Children’s Fund (UNICEF) and World Health Organization (WHO) are currently supporting governments to implement a joint project aimed at improving national nutrition information systems in five countries – Ethiopia, Ivory Coast, Lao People’s Democratic Republic (PDR), Uganda and Zambia – with financial support from the European Commission (EC). UNICEF and WHO teams in these countries provide technical support and guidance in key activities the goal of which is to boost the generation of timely and quality nutrition data. This four-year project will increase the uptake of nutrition information and provide a more insightful understanding for policy and programme development, implementation and monitoring by enhancing each country’s capacity to monitor nutrition programmes and track progress towards national and global nutrition targets as well as nutrition-related SDGs.

Zambia, one of the project countries, was responsible for hosting and organizing the 2022 annual gathering. The meeting was organized in a hybrid format: other country teams along with the EU focal point for the project joined online while members of the Zambian delegation (national, provincial and district level Ministry of Health (MoH) delegates) and most of the Project Steering Committee (PSC) took part in person at the Protea Hotel, Arcades, Lusaka. (Other PSC members connected online.) PSC members included World Health Organization headquarters (WHO HQ) and African Region (AFRO) technical officers, United Nations Children’s Office headquarters (UNICEF HQ) and Eastern and Southern Africa Regional Office (ESARO) technical officers, a representative from the National Information Platform for Nutrition (NIPN) and local nongovernmental organizations (NGOs) working together with the Zambia MoH on the European Commission-Nutrition Information System (EC-NIS) project, the United States Agency for International Development (USAID) project Evidence for Health (E4H), the Swedish International Development Corporation Agency’s (SIDA) “People at the Centre” (PeaCe) project and the Ministry of Health’s Department of Monitoring and Evaluation (M&E) and Nutrition programme under its Public Health Department. The list of participants is provided in Annex 1.

As part of preparations, on 19 October 2022, the local team, with representatives from UNICEF and WHO HQ and Regional Offices, held a virtual meeting to establish local progress and prepare for the upcoming Global Gathering. It was established that, despite good coverage, a lot still needed to be done especially with issues concerning data quality, analysis and utilization.

In addition, as part of the week’s events, the Project Steering Committee (PSC) took the opportunity while in Zambia to meet with government officials and partners, and visited two EC-NIS implementation sites in Lusaka district: Chilenje and Matero first-level hospitals. Importantly, the PSC team also paid a courtesy visit to the Office of the Permanent Secretary at MoH and held meetings with M&E and nutrition staff including the Directors of the M&E and public health divisions.

This report documents the proceedings of the 2022 annual gathering and highlights the key discussions. The agenda (Annex 2) was as follows:

- Objectives of the meeting
- Opening remarks
- Focus presentations from country teams:
 - Technical working groups and steering committees
 - Progress of implementation for Year 3 (2022)
 - Highlights of key achievements in 2022
 - Challenges and recommendations
 - Plans for 2023
 - Lessons learnt and best practices
 - Technical assistance required
 - Project logical framework
 - Knowledge-sharing/documenting the project
 - Communication and visibility
- Questions and reflections/comments on the countries' progress presentations for 2022
- Global Level Activities updates:
 - Coordination between EC-NIS and NIPN initiative
 - Updates from the PSC
- Summary of next steps.

1.1 The EC-NIS project

Timely and quality data are an essential guide for country programmes in the allocation of resources and monitoring of results. A well-functioning NIS provides data and information to guide decisions when planning and implementing nutrition activities and services. Strengthening an existing NIS is an essential component of strengthening a health system overall. With EC funding, UNICEF and WHO have embarked on a joint work programme in **Côte d'Ivoire, Ethiopia, Lao PDR, Uganda, and Zambia** to strengthen nutrition information systems for better nutrition programming.

The overall objective of the EC-NIS project is to increase the uptake of nutrition information to generate evidence that supports the development of policies and programmes and the implementation and monitoring of nutrition programmes. Specifically, this global project focuses on the following five key areas:

- 1 **assessing** the current nutrition information landscape (starting with a review of the national nutrition monitoring framework and information needs, and including indicators and information technology (IT) systems needed to collect data and information);
- 2 **redefining** the nutrition data elements and indicators in the Health Management Information System (HMIS) and integrating the standard nutrition module into District Health Information Software2 (DHIS2);
- 3 **strengthening** the human resource capacity for the collection, analysis, interpretation, communication and quality control of nutrition data and NIS management;
- 4 **enhancing** IT-supported data management systems in line with the DHIS2 Nutrition Module for generating information for programmes and policies; and

- 5 **improving** the availability of timely and quality data from routine data collection and surveys to promote and improve the dissemination and uptake of nutrition information.

A video filmed in Uganda in 2021 and showing an overview of the project was shared with participants: it is available [here](#).

1.2 Objectives of the meeting

The overall objective of the annual gathering was to bring together countries to review key achievements against planned activities and discuss main drivers for achievements, challenges and proposed solutions on the way forward.

The gathering had three specific objectives.

- **To monitor country progress:** to present a key milestone achieved in 2022 and present the Year 4 (2023) workplan.
- **To enhance partnerships and collaboration:** to bring together key partners and stakeholders at country, regional and global level in order to leverage planning and implementation of project activities in the project countries.
- **To share knowledge:** to share lessons learned and good practices across and/or within countries.

Expected outputs of the annual gathering 2022

- Learning about key achievements, drivers of success, major challenges and potential solutions, and the way forward as documented by each participating country.
- Sharing lessons learned and best practices by country.
- Case studies on present collaboration between the EC-NIS project and NIPN at country level.
- Developing workplans for Y4 (2023) in the participating countries.

1.3 Opening remarks

Opening remarks were made by the Project Steering Committee (PSC) and by government representatives of the five countries participating in the EC-NIS project.

Chika Hayashi representing the PSC acknowledged the invitation of the government of Zambia and its support to organize the field visit and annual gathering and recognized the tremendous work done by the participating countries over the three years of the project. She thanked the European Commission (EC) for its commitment to support improving nutrition data systems and highlighted the fact that this is a catalytic fund to achieve progress and results. In concluding, she remarked on the great amount of effort undertaken and the motivation of Zambia's team towards implementing the project at the district level as observed during the PSC field visit to health facilities in Zambia.

Lao PDR's MoH representative highlighted the high demand for quality nutrition data at all levels and remaining challenges for assessing timely and quality data. He emphasized that the MoH in Lao PDR was committed to accelerating actions to improve nutrition data with support from this EC grant. The key

focus areas for the project in Lao PDR included reviewing indicators and data collection tools along with IT equipment procured by the project, and the representative indicated that support is still required for capacity strengthening. Lastly, he acknowledged support from UNICEF and WHO in implementing the EC-NIS project in Lao PDR.

Ethiopia's MoH representative expressed his gratitude for the invitation to participate in the 2022 gathering and highlighted ongoing work as per the EC-NIS agreed workplan. He outlined the main activities planned in 2023 in Ethiopia with grant support, in particular enhancement of the national NIS as a multisectoral platform and collaboration with the NIPN initiative.

Finally, Ms Brivine provided opening remarks on behalf of Zambia's MoH M&E director. She welcomed participants to Zambia and said it was an honour to host the meeting. She emphasized that Zambia has committed to implement the 20 indicators included in the Global Nutrition Monitoring Framework (GNMF) in order to track progress on global nutrition targets and monitor the implementation of nutrition interventions. However, she indicated that critical gaps remain in data reporting at national and at subnational level on these indicators. She called for conscious and concerted efforts to ensure quality data generation and uptake for decision-making and planning.

On behalf of the government of Zambia she committed to ongoing implementation of the EC-NIS project, especially its integration within the national HMIS, as the best way to ensure sustainability of the gains realized. She finally declared the meeting officially opened.

2. Presentation from country teams

Each country presented its project implementation status based on the seven outputs included in their 2022 workplans. Each presentation focused on several aspects: progress in implementing Year 3 activities, midterm review, impact reached, challenges, lessons learnt, key actions for acceleration, 2023 plans and technical support required at regional and global levels.

2.1 Technical working groups and steering committees

All five countries have technical working groups and steering committees in place whose membership includes relevant stakeholders working in nutrition and related sectors to guide and lead implementation of the EC-NIS project.

2.2 Progress of implementation in Year 3 (2022)

Table 1 below summarizes the status of activity implementation and main achievements by country. Overall, implementation of activities planned for 2022 is on track in all countries, with most activities completed or under way as planned aside from a few exceptions where activities have been rescheduled for 2023.

Table 1. Planned activities in 2022 and progress update at year's end (by country)

CÔTE D'IVOIRE

#	Planned activities for 2022	Status	Update
Output 1: Revised national nutrition monitoring frameworks (DIHS2) filling in major nutrition data gaps			
1	Organize an initial review workshop of the National Nutrition Information System	Completed	Achieved in 2021.
2	Organize a workshop to present the project and report the conclusions of the review workshop to the regional and districts health officers	Completed	
Output 2: Refined/new data collection systems for existing HMIS including a nutrition module			
3	Set up modules, dashboards and scorecards for existing nutrition data in DHIS2	Completed	Nutrition indicators and data collection forms in the DHIS2 database have been updated. The indicators have been configured in the DHIS2 platform and dashboards of nutrition indicators have been developed (3 workshop sessions in April and July). Achieved in 2022
Output 3: Enhanced human resource capacity for the collection, analysis, interpretation, communication and quality control of nutrition data and for NIS management			
4	Develop, reproduce and disseminate reference documents (guidelines and standards for nutrition data management, data analysis and user's manual, protocol, etc.) to providers	Completed	-Finalization of the Procedures manual including instruction to access nutrition data in the DHIS2 platform and use of the data consistency matrix and dashboards. -The nutrition data management procedure manual has been updated. - Development of the manual for analysis and interpretation of nutrition data.
5	Training of health workers on HMIS/DHIS2 on updated/developed data collection tools	Completed	

			226 health workers in health districts and 66 data managers at regional level coached in management of routine nutrition data and use of the nutrition module in the DHIS2 platform.
6	Training of policy-makers and programme managers on NIS	On track	Capacities of district managers strengthened in development and use of dashboards for monitoring nutrition indicators for decision-making (ONGOING).
Output 5: Quality routine/assessment data is comprehensive and available on time			
7	Conduct quarterly nutrition data quality reviews (RDQA methodology) starting with sampled sites	Completed	-Audit of the quality of vitamin A supplementation and deworming data implemented in 41 health districts using the RDQA tool. - Quality assessment of nutrition data for 2021 and Q1 2022 carried out (completeness and promptness).

ETHIOPIA			
#	Planned activities for 2022	Status	Update
Output 1: Revised national nutrition monitoring frameworks (DIHS2) filling in major nutrition data gaps			
1	Initial review of existing NIS	Completed	Achieved in 2021.
Output 2: Refined/new data collection systems for existing HMIS including a nutrition module			
2	Conduct initial review of the existing electronic data collection tools (design, availability and reporting status) in the lens of nutrition in HMIS /DHIS2	Completed	Achieved in 2021.
3	Designing, revision, printing and distribution of user-friendly data collection tools	Completed	Achieved in 2022.
Output 3: Enhanced human resource capacity for the collection, analysis, interpretation, communication, and quality control of nutrition data and for NIS management			
4	Training of policy makers and Programme Managers on NIS	Completed	Experience-sharing visit on NIS was conducted in Uganda with team composed of directors and programme coordinators.
5	Training of health workers on HMIS/DHIS2 on the updated /developed data collection tools	On track	Financial and technical support to 7 regions: -NIS TOT training conducted for 20 officers per region (nutrition/MCH focal person, HMIS/M&E focal persons) for 5 days. -Development and revision of nutrition supportive supervision tools (ONGOING).
Output 4: Improved IT-supported data management systems in line with DHIS2 nutrition module and generating information for programmes and policies			
6	<ul style="list-style-type: none"> Provide support in scale up of DHIS2/UNISE UNISE to be customized with the recent version. 	Completed	-UNISE integrated and customized with the new version of DHIS2. -This new version is planned to be implemented in the 128 UNICEF flagship and 240 SD (Seqota declaration ¹) expansion woredas in online mode, in collaboration with SD, universities, regional bureaus, health information technicians, UNICEF and other SD supporting partners.

¹ In 2015, the Government of Ethiopia made a high-level fifteen-year commitment to end stunting in children under two years by 2030. This commitment, known as the Seqota Declaration (SD), is operationalized through a multisectoral programme involving nine different sector ministries. The Seqota Declaration has a 15-year roadmap divided into three phases: innovation, expansion and scale-up. "Woredas" or districts are the third administrative level in Ethiopia after zones and regions.

			<ul style="list-style-type: none"> -UNISE implementation started in four woredas in Afar and Amhara regions using the online mode. -Provision of orientation training on guideline for the Food and Nutrition Strategy (FNS) implementation and multisectoral FNS scorecard. -Support for revised multisectoral nutrition indicators. -Support for development of multisectoral nutrition indicators scorecards (ONGOING). -Support for UNISE ToT training. -Support for procurement of IT equipment.
Output 5: Quality routine/assessment data is comprehensive and available on time			
7	Support the availability of registers, tally sheets and cards at service delivery points	Completed	8 revised registers and tally sheets printed and distributed to 250 health facilities in all regions.
8	Conduct two supportive supervisions from FMOH to all regions		Joint supportive supervisions conducted in all regions by a national team.
Output 6: Improved dissemination of NIS information			
9	Establish/strengthen nutrition data sharing platform including nutrition Dashboard at all levels	On track	<ul style="list-style-type: none"> -Ongoing support for training on PowerBI to 5 officers (ONGOING). -Joint NIS/NIPN plan (under discussion with MOH) for development of a web-based nutrition data display platform with primary data from DHIS2/UNISE integrated with secondary data in the multisectoral platform supported by NIPN.

LAO PDR			
#	Planned activities for 2022	Status	Update
Output 1: Revised national nutrition monitoring frameworks (DIHS2) filling in major nutrition data gaps			
1	Recruitment of staff	Completed	Completed at UNICEF in 2021; in 2022, WHO recruited a consultant.
2	Mapping of nutrition data in DHIS2	Completed	Completed in 2021.
3	Workshop to review nutrition data mapping	Completed	
4	Consultative meetings for RMNCAH	Completed	
5	Convene coordinating committee meetings	Completed	Monthly meetings were held with the Nutrition Centre, MCHC ² and DPC ³ .
Output 2: Refined/new data collection systems for existing HMIS including a nutrition module			
6	Consultative meetings for revision in system as per new M&E framework	Completed	Completed in 2021.
7	Changes to primary data collection tools	Completed	Completed in 2022.
8	SOPs for routine nutrition monitoring	Completed	
9	Consultative meeting to validate proposed changes of data collection tools and SOP	Completed	
10	Printing of registers and data collection tools	Completed	
Output 3: Enhanced human resource capacity for the collection, analysis, interpretation, communication and quality control of nutrition data and for NIS management			
11	Dissemination of SOPs	Completed	Dissemination of SOPs at national level was completed.
12	ToT for subnational implementation of SOPs and reporting tools	Completed	Subnational dissemination of SOPs will be completed in Q1 2023.

² MCHC: Mother and Child Health Centre

³ DPC: Department of Planning and Cooperation

13	Training of health facility workers on new reporting formats	Completed	Training of 3 provinces completed at district level. Training of health facilities for all 4 targeted provinces will be completed by Q1 2023.
14	Refresher training of health staff on new reporting formats	Planned in 2023	
15	Develop capacity of assessors applying the facility based integrated RMNCAH quality assessment	Planned in 2023	
Output 4: Improved IT-supported data management systems in line with DHIS2 nutrition module and generating information for programmes and policies			
16	Revision of data systems on DHIS2 (programming)	Completed	DHIS2 aggregate and tracker module in place.
17	Procure soft and hardware for system set up for RMNCAH indicators	Completed	Handover event completed on 17 Nov 2022.
18	Short-term consultancy for system set up for RMNCAH indicators	Delayed	Reprogrammed to support roll out in 2 more provinces (awaiting MoH request) in 2023.
Output 5: Quality routine/assessment data is comprehensive and available on time			
19	Development of a system to draw data from existing data systems	Completed	Linkage drawn with existing tracker for community-based tracking in 12 districts.
20	Training on the use of the DHIS2 Platform for Sentinel Surveillance Monitoring	Delayed	To be reprogrammed in 2023.
21	Travel/monitoring/supportive supervision	Completed	
Output 6: Improved dissemination of NIS information			
22	Performance/progress review meetings conducted/data dissemination meeting	Completed	Annual review meeting was conducted on 20 Oct 2022.
23	Communication and visibility including printing, translations and other contractual services	Completed	Press media release during handover event for IT supplies was done. Notebook, EU, WHO and UNICEF stickers and e-banners were developed and disseminated for visibility.

UGANDA			
#	Planned activities for 2022	Status	Update
Output 1: Review and refine existing data collection mechanisms			
1	Review and finalization of the National Nutrition Monitoring and Evaluation Framework in NIS	Completed	The framework was completed in 2021. In 2022, selected indicators were reviewed to make the numerators and denominators clear. The framework is currently being used as a guiding document for monitoring progress made in the nutrition programme at MoH.
2	Support coordination between the core staff from NIPN and NIS project through organizing semi-annual meetings in coordination with the MoH nutrition technical working group	Completed (continuous)	Held one meeting in July 2022 where the key areas for continued collaboration were identified. These included the organizing of the annual nutrition symposium, nutrition technical working group meetings, and the development of nutrition information products including the nutrition annual report, nutrition bulletins and policy briefs.
3	Support and participation in regional and national nutrition technical and thematic working group meetings	Continuous	Monthly national nutrition technical working group meetings were held throughout the year. Performance on core nutrition indicators was discussed in each. Additionally, the nutrition tools (DQA and support supervision), and

			information products were reviewed, validated and disseminated.
3	Convene a workshop to carry out midterm review of the NIS project	Delayed	Planned for 2023.
4	Review of the country NIS/HMIS and IT support	Completed	A review of the nutrition information system was done at national and regional level. Recommendations from NIS review included the need to build the capacity of health workers on nutrition data management, developing, printing and disseminating job aids and SOPs to points of data collection.
Output 2: Refined/new data collection systems for existing HMIS including a nutrition module			
5	Strengthen surveillance activities in lower-level health facilities	Continuous	Procured and disseminated 50 tablets to lower-level health facilities in Yumbe, Koboko, Kamwenge and Kyegegwa districts to enable them to report their data directly through DHIS2. During the distribution, health workers were shown how to compile and enter nutrition data into DHIS2. Follow-up mentorships were done in the supported districts.
6	Conduct a workshop to develop the nutrition programme scorecard	Completed	Eighteen indicators were prioritized for inclusion into the national nutrition programme scorecard embedded within DHIS2.
7	Conduct a workshop to develop a digitalized national nutrition support supervision tool in ODK	Completed	The nutrition support supervision tool was digitalized into ODK and access details shared with the nutrition technical working group for use.
Output 3: Enhanced human resource capacity for the collection, analysis, interpretation, communication and quality control of nutrition data and for NIS management			
8	Support national nutrition quarterly performance meeting to review DHIS2 data for quality and support, analysis and reporting-virtual meeting	Completed	National- and regional-level nutrition performance review meetings were held to discuss the performance of core nutrition indicators and implementation of the IMAM programme. The reviews were combined with orientation on using the nutrition dashboard and nutrition programme scorecard for monitoring nutrition performance and developing nutrition information materials. Completed in 2021.
10	Conduct refresher regional training on DHIS2/HMIS in nutrition and development of nutrition dashboards	Completed	60 health workers were shown how to use the nutrition dashboard and nutrition programme scorecard for monitoring nutrition performance.
11	Conduct data quality audits on nutrition data elements	Completed	A data quality assessment exercise was conducted in all districts in West Nile region.
12	Capacity-building	Completed	<ul style="list-style-type: none"> On-job mentorship in nutrition data management for 50 health facilities. Trained 150 health workers on nutrition data entry into DHIS2 in West Nile and Tooro regions. Oriented 130 health workers on use of scorecards and dashboard in October 2022.
13	Orientation of policy- and decision-makers on Uganda's nutrition situation, the national food and nutrition monitoring framework, national nutrition information systems (NIS) highlighting strengths and	Completed	<ul style="list-style-type: none"> A meeting held with 50 district health officers, programme managers within MoH and nutrition implementing partners. Completed in 2021.

	weaknesses and information products produced by NIS		<ul style="list-style-type: none"> MoH officials and DHOs in attendance were shown how to use the nutrition dashboards and scorecard during the performance review meetings.
Output 4: Improved IT-supported data management systems in line with DHIS2 nutrition module and generating information for programmes and policies			
14	Procurement and distribution of tablets to MOH and selected health facilities, and provision of data bundles to facilitate data collection, analysis and timely reporting	Completed	<ul style="list-style-type: none"> 50 tablets procured and distributed to 50 health facilities, including 5 additional ones for MoH at district level. Supported MoH with 1 desktop computer, 22 laptops and accessories to support the technical officers including nutritionists and M&E officers in capturing, analysing and reporting nutrition programming. Supported the MoH to develop nutrition programme requirements for electronic medical records (EMR) and electronic community health information systems (eCHIS).
Output 5: Quality routine/assessment data is comprehensive and available on time			
15	Conduct nutrition data related support supervision and mentorship on nutrition HMIS/DHSI2	Completed	<ul style="list-style-type: none"> Support supervision and mentorships were conducted in all refugee hosting districts and in other selected districts in the country.
16	Development and pretesting of the nutrition Data Quality assessment tool	Completed	<ul style="list-style-type: none"> Drafted by core EC-NIS Team and MoH. Reviewed and validated by the Nutrition Technical Working Group. Used for DQA in multiple districts including in West Nile region.
17	Support in conducting midterm assessment of the project	Delayed	Delayed due to delays in implementation from the start. It is planned for the first quarter of 2023.
18	Support convening of the nutrition technical working group to carry out a detailed analysis and write-up of the annual nutrition situation and performance report including printing and dissemination	Completed	Selected members of the Nutrition Technical Working Group convened to analyse and write the nutrition annual report for FY2021/2022. The report was also validated and is in the process of being finalized for publication.
Output 6: Improved dissemination of NIS information			
19	Publication of information materials from NIS (HMIS/DHIS2) data	Completed (continuous)	<ul style="list-style-type: none"> 5 quarterly nutrition bulletins. 3 policy briefs disseminated. 4 newsletters disseminated. 2020/2021 annual report disseminated.
20	Organize an annual regional nutrition performance review meeting with all regional referral hospitals and MoH	Completed	A regional level nutrition performance review meeting was held in the West Nile region.
21	Support convening of an annual nutrition symposium that brings together district health managers and nutritionists, major partners and MoH leadership to discuss ways of addressing gaps identified from analysis of nutrition data among other nutrition activities in the country.	Delayed	Delayed due to competing priorities within the MoH which is currently responding to the ongoing food insecurity crisis in Karamoja region and Ebola virus disease outbreak.

21	Presentations by the NIS team given at meetings or events (TWG meetings, symposiums, annual performance review meetings)	Completed (continuous)	<ul style="list-style-type: none"> 6 presentations made at the National Nutrition Technical working group meeting. 4 presentations made at the M&E TWG meeting. 2 presentations at regional performance review meetings. 4 presentations done at the nutrition symposium. Technical support to MoH in planning for the 2022 Nutrition Symposium (this has been postponed to early 2023).
22	Printing of visibility materials	Completed	<ul style="list-style-type: none"> Designed and printed 150 branded T-shirts that are distributed to participants NIS meetings and workshops. Designed and printed banners used at NIS meetings and workshops. Additional materials are under printing for the upcoming nutrition symposium.

ZAMBIA			
#	Planned activities for 2022	Status	Update
Output 1: Revised national nutrition monitoring frameworks (DIHS2) filling in major nutrition data gaps. NIS coordination			
1	Conduct quarterly mentorship and supervision activities to monitor implementation of the NIS project and provide technical support	Completed	Mentorship and technical support conducted in central, Eastern, Luapula, Muchinga, Southern and Western provinces.
2	Participate in the process subcommittee for the M&E TWG	Completed	Participated in MoH M&E TWG meetings, nutrition and SUN II M&E TWG meetings.
Output 2: Refined/new data collection systems for existing HMIS including a nutrition module			
3	Print HMIS hard copies of data-capturing tools (e.g registers, tally sheets, growth charts, BMI) to include revised essential nutrition data element	On track	<ul style="list-style-type: none"> -Quantification for M&E materials for printing completed. -MOH Procurement process initiated (ONGOING). -Request for printing submitted to UNICEF for contribution towards national needs (ONGOING).
4	Review and update existing essential nutrition data elements in HMIS (proposed changes reviewed)	Completed	Achieved in 2022.
5	Finalize nutrition routine indicators manual and submit to M&E department for inclusion in the main indicator reference manual	Completed	Indicator manual revised following recommendations from provinces and districts.
Output 3: Enhanced human resource capacity for the collection, analysis, interpretation, communication, and quality control of nutrition data and for NIS management			
6	Review pre- and in-service training curricula in nutrition information management for targeted institutions	Delayed	Generic curricula on HMIS management completed but not specific to nutrition. Postponed to 2023.
7	Support and strengthen the nutrition (anthropometry) component of other large surveys such as VAC, SMART surveys (activities to include capacity-building of	On track	Supported planning vulnerability assessment survey. Draft module for supporting nutrition surveys developed (ONGOING).

	Government of the Republic of Zambia staff)		
8	Develop nutrition HMIS training package	Completed	Achieved in 2022.
9	Integrate nutrition training package into main HMIS manual for use in training health care workers in NIS management	On track	Awaiting finalization of District Manual or Health Managers (ONGOING).
10	Training of key personnel in M&E and nutrition at MoH, provincial and district health officers in NIS management	Completed	Completed in 2022.
11	Review and update WHO nutrition module on management of nutrition programmes using nutrition information	Delayed	To be reprogrammed in 2023.
Output 4: Improved IT-supported data management systems in line with DHIS2 nutrition module and generating information for programmes and policies			
12	Review and adopt scope for digital data collection programmes/applications	Completed	Completed. Piloted implementation of e-registers and now at the stage of resource mobilization for implementation at scale.
13	Update nutrition dataset and dashboards in DHIS2	Completed	Completed. Dashboards developed and in use.
14	Conduct data migration from IMAM database to DHIS2	Delayed	To be reprogrammed in 2023.
Output 5: Quality routine/assessment data is comprehensive and available on time			
15	Conduct quarterly data quality and audit assessment at facility and district level	Completed	Nutrition DQA done in the 17 selected SUN-2 districts in 2021. DQA report finalized and made available in 2022.
Output 6: Improved dissemination of NIS information			
16	Produce/adopt communication and visibility materials: videos, pop-ups, graphics, social sites, etc.	Completed	Pop-up banners and branded face masks developed in 2021 have been procured and distributed in 2022.
17	Develop a nutrition bulletin template with stakeholder consultation	Delayed	Postponed to 2023.

2.3 Highlights of key achievements in Year 3

Each country was asked to select key achievements in 2022 to be showcased at the annual meeting of countries and partners. The following topics are those selected by the respective countries for learning and exchange.

2.3.1 Côte d'Ivoire

Improved nutrition data quality

- Improved completeness and consistency of nutrition data (development of the Nutrition Data Consistency Matrix)
- Development of a procedure guide for accessing nutrition data in the DHIS2 platform
- Monthly data consolidation meeting with the departmental health directorates.

Improved decision-making

- Improved availability of nutrition data
- Development of a nutrition dashboard for the DHIS2

- Manual for analysis and interpretation of nutrition data.

Better interaction within national information platforms

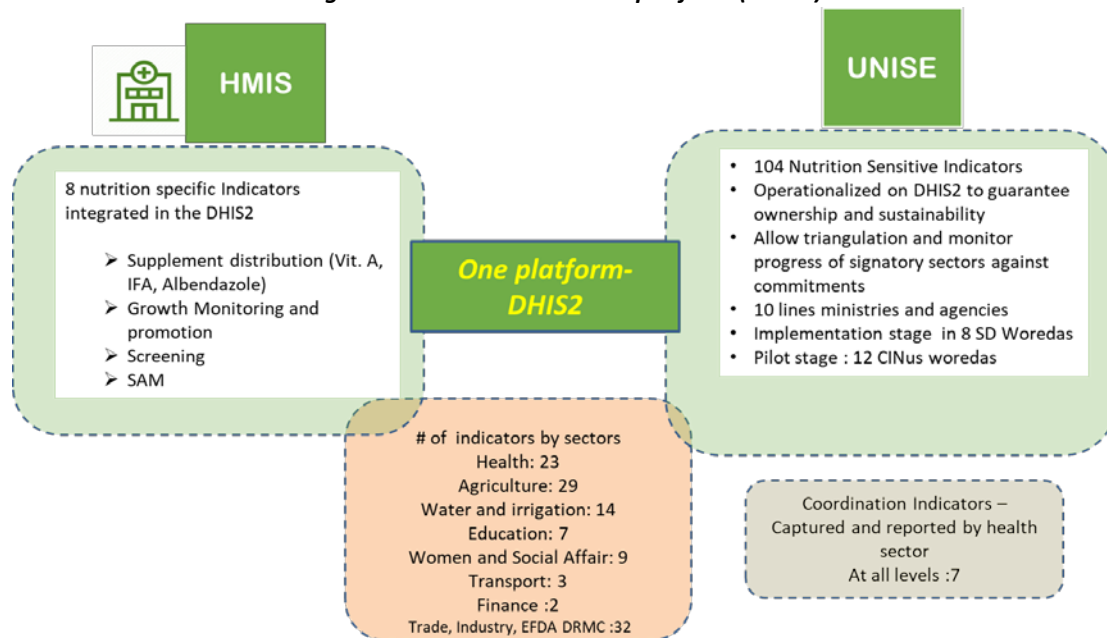
- Collaboration with the Regional Agricultural Information System (SIAR)
- Collaboration with the PNMIN⁴ for analysis and generation of evidence to improve decision-making and influence policy at all levels
- Collaboration with the technical support unit of the Sentinel Epidemiological Surveillance Office (CSE) of the DIIS⁵ regarding the quality of nutrition data.

2.3.2 Ethiopia

Enhancement of the Unified Nutrition Information System for Ethiopia (UNISE)

- UNISE is a multisectoral nutrition data management tool that captures:
 - nutrition-specific data through the health data management system (DHIS2)
 - nutrition-sensitive data from other sectors
- UNISE has been merged with the national DHIS2 system (multisectoral work on nutrition led by the Federal MoH, see Fig. 1 below).

Fig. 1: Multisectoral nutrition platform (UNISE)



2.3.3 Lao PDR

Consultative process to develop Standard Operating Procedures (SOPs) for revised indicator framework

- SOPs have been drawn up to include nutrition indicators in DHIS2
- Validation of the nutrition module in DHIS2 has been completed.

⁴ PNMIN: Plateforme Nationale Multisectorielle d'Information en Nutrition

⁵ DIIS: Direction de l'Informatique et de l'Information Sanitaire

2.3.4 Uganda

Consultative engagements with national and regional stakeholders

- Experience-sharing from the NIPN phase I and other data systems such as the Uganda National Panel Survey, Palmatrack software and Fortify MIS.

Reviewing and refining existing data collection structures

- A face-to-face national workshop (1–5 February 2021) with senior nutritionists, MoH biostatisticians and implementing partners supporting nutrition M&E: existing nutrition data elements and indicator definitions in DHIS-2 were aligned with the Global Nutrition and Monitoring framework (GNMF).

Customizing the national nutrition M&E framework in DHIS2

- All nutrition data elements were included in DHIS2 with customized indicators including dashboards and scorecards.

Developing the national nutrition dashboard and programme scorecard

- The national nutrition dashboard and scorecard were developed and 18 core indicators selected to be included in the scorecard. Eight 8 key performance indicators were prioritized for the national dashboard, and 130 health workers trained to use the scorecard and dashboard.

Developing and disseminating nutrition information products

- The MoH's Nutrition Division was supported to develop a nutrition information product based on DHIS2 data and comprising [monthly summary reports](#), [quarterly nutrition bulletins](#), nutrition annual reports, quarterly newsletters and policy briefs.

Strengthening nutrition surveillance in lower-level health facilities

- Lower-level health facilities were supported to report directly through DHIS2.

Capacity-building activities

- Various capacity-building activities were undertaken: ToTs in nutrition-related HMIS/DHIS, training at regional referral hospitals and health facilities, mentorships and coaching on data entry.

Cross-country learning and collaboration

- MoH officials from the Federal Government of Ethiopia visited Uganda for a NIS experience-sharing visit
- Experience-sharing on prioritization of nutrition indicators for monitoring, cross-linkages between MoH and line ministries, capacity-building for health workers, use of a digitalized data management system, and flow of data from lower-level facilities to national level.

2.3.5 Zambia

Milestones in the targeted NIS project implementation districts

- Training in NIS/HMIS conducted for nutrition staff in all 116 health districts

- Health facility level orientation completed in all 17 SUN⁶ districts
- Partner engagement to non-SUN II districts ongoing with potential to reach every facility in all 116 districts with NIS/HMIS skills.

Spotlight: multisectoral nutrition management information system (MNMIS) integrated with HMIS

- Integration of multisectoral nutrition management information system to facilitate management and analysis of nutrition-related data across Zambia
- MNMIS built on DHIS2 database infrastructure
- Accessible to line ministries implementing SUN II (MoH but also Ministry of Agriculture and some others)
- Hosted (Infratel network) and coordinated by the National Food and Nutrition Commission (NFNC).

HMIS linkage to MNMIS (network management information system)

- Nutrition indicators collected and archived in HMIS are the same indicators tracked by the SUN II M&E framework
- HMIS and MNMIS both developed on the same DHIS2 platform
- HMIS nutrition component linked to MNMIS.

2.4 Challenges and recommendations

2.4.1 Côte d'Ivoire

Challenges	Proposed solution
Lack of understanding of nutrition indicators	Strengthening coaching in the sentinel health facilities and training session for district and regional teams on refined nutrition indicators
Data from 2021 and Q1 2022 not available in the national DHIS2 platform	WHO and UNICEF support to integrate updated HMIS tools in the new DHIS2 v2.33

2.4.2 Ethiopia

Challenges	Proposed solutions
Delay in reception of funds and then transfer of funds to federal MoH	Transfer of funds directly through regions
Security challenges due to conflict	Work with partners on coordination platforms prioritizing activities in areas not affected by conflict

2.4.3 Lao PDR

Challenges	Proposed solutions
The nutrition module is embedded with a larger mother and child health (MCH) module: rolling out therefore depends on MCH roll-out plans and schedules	A collaboration has been set up with MCH team to cover roll-out in all provinces

⁶ SUN: Scaling Up Nutrition programme

Except for the IMAM tracker, the nutrition module is designed as an aggregate reporting system owing to resource limitations	Expansion of tracker funded by investments from other partners
Lack of a unique child identification (ID) for health system	Leverage on plans to roll out a unique child ID

2.4.4 Uganda

Challenges	Proposed solution
Data collected through DHIS2 still features outliers	<ol style="list-style-type: none"> 1. Conduct data quality audits (DQA) to identify gaps 2. Support supervision and mentorships to address identified gaps 3. Organize refresher training in HMIS/DHIS2 to ensure data managers are skilled and knowledgeable
Missed steering committee meetings due to high-level competing government priorities	Steering committee meetings should adopt a hybrid (virtual and physical) mode to enable those out of office to attend
Nutrition data at community level remains poorly documented and reported	Onsite coaching and mentorship, DQAs and provision of job aids
Limited demand for nutrition data	Inclusion of nutrition indicators in all facilities at district, regional referral hospitals and national level programme meetings
Limited human resources for nutrition data management	<ol style="list-style-type: none"> 1. Advocate for additional human resources 2. Continuous capacity building for existing HR

2.4.5 Zambia

Challenges	Proposed solution
Non-availability of hospital tools for IMAM programme follow-up, hindering beneficiary and commodity reporting	M&E input to develop a tool to capture IMAM programme reporting in level 1 and 2 hospitals
No nutrition commodity consumption and reporting tools in HMIS	M&E input to develop a tool for commodity consumption and reporting
Inadequate funding to cascade NIS training to health facility level	Enhance partnership engagements to ongoing non-SUN II districts to reach facilities in all 116 districts with NIS/HMIS skills
Low availability of ICT equipment to support data capture and reporting at subnational level	Leverage on existing partnerships with other projects to support provision of ICT equipment
Delay of UNICEF funding in 2022 at country level	Catch-up plan for activities

2.5 Next steps for 2023 and 2024

All participating countries highlighted their key priorities for 2023 and the first quarter of 2024 and undertook to accelerate implementation in what will be the final year of project implementation.

Table 2. Workplan for 2023 and 2024 (January–March 2024), by country

CÔTE D'IVOIRE	
1	Assess how the country's DHIS2 nutrition module fits with the global DHIS2 nutrition module
2	Brainstorm and discuss setting up electronic registers (e-registers) as well as developing a DHIS2 nutrition tracker
3	Support establishment of an early warning system (EWS) for nutritional surveillance by revising IDSR reporting framework and disseminate procedures
4	Strengthen the capacity of 6 NIS data managers at national level to analyse nutrition data and produce periodic reports on the nutrition situation
5	Equip 71 sentinel sites with computer equipment (tablets, desktop, laptop, wi-fi box and internet connection) for data management
6	Provide support in material and IT equipment to the national nutrition programme and Directorate of Health Information and IT
7	Coach data managers in health regions and district how to assess routine nutrition data quality audits
8	Continue supporting the nutrition data quality audits
9	Support nutrition data consolidation workshops on DHIS2 including nutrition supplies
10	Develop and disseminate a quarterly newsletter on the nutritional situation
11	Organize the national review workshop
12	Organize a final project review workshop
13	Coach 226 epidemiological surveillance officers (CSE) and nutrition officers (CNUT) in the health districts and 66 CSE and CNUT at the regional level to manage routine nutrition data and use the DHIS2 platform nutrition module
14	Strengthen the capacities of the district management teams to develop and use dashboards for monitoring nutrition indicators in decision-making
ETHIOPIA	
1	Create a centre of excellence for selected health facilities in regions and municipal administrations through NIS cascade training, mentorship/supportive supervision and review meetings
2	Support orientation of multisectoral food and nutrition guidelines and training cascading from national to lower levels
3	Support establishment of a comprehensive web-based nutrition information-sharing platform (in collaboration with NIPN)
4	Develop and implement use of standardized nutrition supportive supervision tools to improve nutrition programme implementation
5	Roll out UNISE, which uses the online DHIS2 platform, for uptake in 128 UNICEF flagship and 240 expansion woredas
LAO PDR	
1	Complete roll-out of new data collection tools in the four target provinces
2	DHIS2 data entry capacity-building in all health care facilities in the four target provinces
3	Quarterly TWG meetings including data review
4	Joint monitoring and supportive supervisory visits to the four target provinces
5	Address hardware gaps in two target provinces
6	Performance progress review meeting
7	Communication and visibility activities
UGANDA	

1	Review and update nutrition indicators in DHIS2 and nutrition monitoring framework as per the midterm review
2	Conduct nutrition thematic (NIS) quarterly review meetings
3	Convene biannual NIS steering committee review meetings
4	Support semiannual coordination between NIPN and other nutrition information platforms using NIS
5	Conduct data quality audits on nutrition data elements
6	Convene the national performance dissemination meeting to review web DHIS2 data for quality and support, analysis and reporting
7	Support supervision and mentorship on use of the digitalized national nutrition support supervision tool in ODK
8	Strengthen nutrition surveillance at lower-level health facilities by providing internet data bundles to focus districts previously equipped with tablets to aid reporting via the HMIS/DHIS-2 reporting system
9	Conduct data-related support supervision and mentorship on nutrition in HMIS/DHIS2
10	Support convening a nutrition technical working group to carry out a detailed analysis and write-up of the annual nutrition situation and performance report including its printing and dissemination
11	Conduct a national health facility nutrition service delivery assessment
12	Support MoH data officers to develop and disseminate quarterly nutrition newsletters/policy briefs
13	Support MoH data officers to develop and disseminate quarterly nutrition bulletins
14	Assist the midterm project assessment
15	Organize an annual regional nutrition performance review with all regional referral hospitals and MoH
16	Help convene an annual nutrition symposium for district health managers and nutritionists, major partners and MoH leadership, to discuss ways of addressing gaps identified from analysis of nutrition data and other nutrition activities in the country
17	Print NIS project visibility items
ZAMBIA	
1	Develop and integrate nutrition commodity consumption and reporting tool into HMIS
2	Contribute towards printing data collection and reporting tools and advocate for their inclusion in MoH budget
3	Strengthen funding partnerships to allow cascade of NIS training to health facility level and procurement of data collection and reporting tools (hitherto EC-NIS training has only been provided at central and district levels)
4	Mobilize resources for procurement of ICT equipment to support data capture and reporting at subnational level
5	Strengthen coordination of NIS activities in the country by organizing technical working group and steering committee meetings. Include NIPN in these group meetings and coordinate actions (once set up)
6	Improve visibility of EC-NIS activities and strengthen dissemination and use of nutrition data (through nutrition bulletins, flyers and procurement of visibility materials)

2.6 Lessons learnt and best practices

The participating country teams identified some **good practices and key learning points** relating to methodological, programming or operational issues in 2022.

Table 3: Good practices and key lessons learnt in 2022 (by country)

CÔTE D'IVOIRE	
✓	Participation of the national nutrition programme (NNP) in meetings facilitated the consolidation and validation of data in collaboration with the HMIS data managers in districts

✓ Participation of the NNP in biannual coordination meetings with the regional health directorates jointly with other health programmes (HIV, immunization, malaria, etc.) facilitated joint analysis
✓ Collaboration of the NNP with other sectors working on nutrition and other development partners, including NIPN, in the National Multisectoral Platform for Nutrition Information (PNMIN) provided an analysis of the nutrition situation in the country from a multisectoral perspective
✓ Participation of the NNP in high-level meetings on nutrition at the regional level (12th annual joint meeting of HMIS managers and ECOWAS technical and financial partners, regional consultation of stakeholders on large-scale food fortification in West Africa, regional workshop on complementary feeding in young children) helped to put nutrition in the agenda through data.
ETHIOPIA
✓ Data quality assessments (using the DQA ⁷ tool kit developed by WHO) using four nutrition indicators at health centres and health post levels generated written feedback to all regions and at all levels to improve DQAs
✓ NIS engagement of MoH directors in charge of different programmes (nutrition, MCH, etc) improved through experience-sharing and joint meetings
✓ Implementation of the online UNISE/DHIS2 platform improved the quality of nutrition-sensitive data from woredas and multisectoral nutrition information scorecard results in review meetings to monitor achievements in each sector and spur actions for improvement.
LAO PDR
✓ Convergence of NIS and NIPN in selected provinces provided an opportunity to strengthen nutrition data generation and use, and to align health system data (supported by EC-NIS) entering the national platform (supported by NIPN)
✓ Ongoing changes in RMNCAH reporting tools leveraged to include some nutrition indicators in its M&E framework
✓ Community and health facility-based information systems linked for IMAM tracking: SAM children identified by the growth monitoring service and enrolled into the IMAM programme at facility level using the DHIS2 tracker
✓ Consultations and validations were critical in developing and finalizing SOPs for routine nutrition monitoring as they provided an opportunity for stakeholders to identify and prioritize indicators in line with national and global nutrition frameworks and targets.
UGANDA
✓ MoH leadership at the national level has again been decisive for the success of NIS in 2022: <ul style="list-style-type: none"> - facilitating coordination and collaboration among nutrition partners; and - prioritizing core nutrition indicators for reporting in the various nutrition information products from partners.
✓ Existence of a MoH M&E framework, common results for countrywide nutrition and a regional framework accelerated the identification of key nutrition indicators for monitoring through the NIS project
✓ Improved availability of information has guided nutrition programming
✓ Joint coordination of EC-NIS project and NIPN II improved understanding of specific health sector and wider nutrition information system needs and how best to use them for decision-making, influencing both programme and policy
✓ Availability of good quality data proved useful for timely emergency identification
✓ Semi-annual national nutrition programme performance review enabled all actors at national, regional and district level to jointly share progress and appreciate value of NIS in tracking changes and aiding evidence-based planning and monitoring
✓ DQA and support supervisions improved data use at the various levels of the health system, increasing demand for nutrition data and leading to improved data quality
✓ Inclusion of nutrition programme performance in the agenda of Nutrition Technical Working Group meetings proved useful in creating demand and uptake of nutrition data

⁷ Data Quality Assurance assessment, <https://www.who.int/data/data-collection-tools/health-service-data/data-quality-assurance-dqa>

- ✓ Production of nutrition information materials and performance review meetings improved information sharing at all levels of the health system.

ZAMBIA

- ✓ Existence of MoH M&E framework, common results for countrywide nutrition and a regional and global framework accelerated identification of key nutrition indicators for monitoring through the NIS project
- ✓ National nutrition common results framework provided a basis for prioritizing nutrition indicators in line with national, regional and global targets
- ✓ Utilization of existing structures leveraged NIS implementation
- ✓ E4H support leveraged cost of DHIS2 software updates
- ✓ A single implementation plan for MoH, UNICEF and WHO
- ✓ Utilization of DHIS2 platform for NIS implementation allowed easy customization and local adaptation: no programming was required.

2.7 Project logical framework

Each country presented the status of key project indicators based on project implementation plans at impact, outcome and output levels for Year 3 (2022). The project logical framework is presented in **Annex 3**.

2.8 Knowledge-sharing and documenting the project

In 2022, several guidance documents and SOPs for nutrition indicators in DHIS2 were developed with the support of the EC-NIS project to guide nutrition data management processes at the subnational level⁸.

2.8.1 Côte d'Ivoire

- [Manuel de procédure de gestion des données de nutrition](#)
- [Guide de procédure d'accès aux données de nutrition dans la plate-forme DHIS2](#)
- Matrice de cohérence des données de nutrition
- [Guide d'orientation des règles de cohérence des données de nutrition](#)
- Manuel d'analyse et d'interprétation des données de nutrition.

2.8.2 Ethiopia

- [National Food and Nutrition Strategy 2021](#)
- [UNISE operation procedures in DHIS2](#)
- [UNISE end-user manual](#)
- [National-level joint supervision summary report](#).

2.8.3 Lao PDR

- [Standard Operating Procedure for Routine Nutrition Monitoring in Lao PDR](#).

2.8.4 Uganda

- [Nutrition annual 2021 report](#)

⁸ Please note that access to these documents is restricted and needs to be granted by MoH at country level.

- [Nutrition Information System newsletter Jan-Mar 2022](#)
- [Nutrition Data Quality Assessment tool](#)
- [Expanding DHIS2 reporting to lower-level facilities](#)
- [Validation and pilot of NIS support supervision tool.](#)

2.8.5 Zambia

- Nutrition HMIS training package for use in training health workers on NIS at all levels of the health system
- Nutrition indicators reference manual for routine indicators which feed into the MoH indicator manual
- [Nutrition Information System Data Quality Assessment \(DQA\) report.](#)

2.9 Communication and visibility

Several activities have been implemented in 2022 to raise the visibility of efforts made through this grant which include:

- A video showing the activities of the EC-NIS project: this was filmed in December 2021 in Uganda and officially released in August 2022 using campaign monitor and social media (Facebook, LinkedIn, Twitter).
- At country level, WHO and UNICEF teams have developed visual products to highlight key results and give greater visibility to the EC-NIS project. This material was shown during workshops with stakeholders and at training sessions and is presented below by country.

2.9.1 Côte d'Ivoire

The back page of all published manuals includes EU, WHO and UNICEF logos. Likewise, support from these institutions is clearly mentioned in the manual.



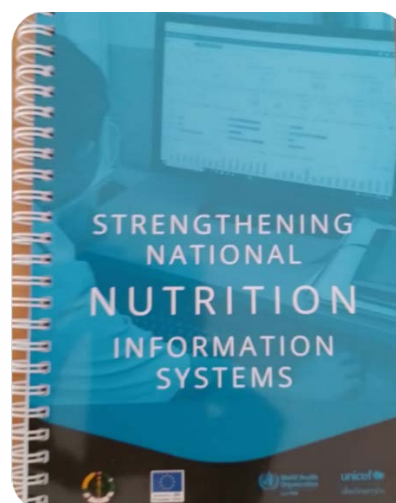
2.9.2 Ethiopia

Several visibility materials were developed and used during official events.



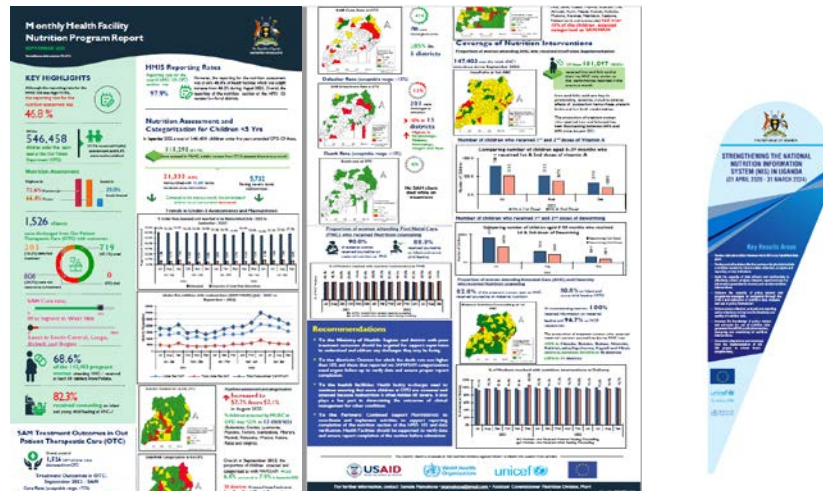
2.9.3 Lao PDR

An event was organized to hand over laptops and tablets to government representatives on 17 November 2022 in order to improve the availability and reporting of data at national and subnational levels. A colourful banner sticker was designed bearing the EU, WHO and UNICEF logos. Other visibility materials were developed including an e-banner (below left) and notebooks (below right) that were distributed at the annual review meeting on 20 October 2022.



2.9.4 Uganda

Branded T-shirts were distributed to supported health facilities and participants attending meetings and workshops organized by the project. A tear-drop banner and pull-up banner were used at workshops and meetings. Other information products produced with project support always displayed the EU, WHO, UNICEF and MoH logos: some are shown below.



The last page of the [Nutrition Annual Report](#) acknowledged EU funding and WHO and UNICEF support. It was also uploaded to the MoH website following its official dissemination in March 2022.

2.9.5 Zambia

Pop-up banners were produced, and branded face masks procured and distributed. The illustrations below show samples of the banners and branded face masks (some were in use when COVID-19 restrictions were still being enforced).



3. Global level activities

3.1 Coordination between EC-NIS and NIPN initiative

A presentation was made by Ingo Neu from NIPN on one of the joint activities agreed by EC-NIS and NIPN: the development of case studies. Lao PDR and Ethiopia have been tasked with capturing past and ongoing collaboration and extracting lessons learnt which can be replicated in order to strengthen collaboration in the coming months.

Fig. 2: EC-NIS and NIPN data value chain



NIS-NIPN case studies: Lao PDR and Ethiopia

The aim was to explore whether complementarity between EC-NIS and NIPN was achieved in the early stages of project design and implementation in Lao PDR and Ethiopia and to assess to what extent implementation of NIS-NIPN has enhanced their impact on nutrition data value chains and evidence generation in the countries concerned.

Specific objectives

1. Document how complementarity between the two initiatives was theorized and achieved in the design and implementation phases in the countries concerned.
2. Explore to what extent the objectives, activities and deliverables/products of EC-NIS and NIPN stand in alignment at the country level.
3. Assess to what extent EC-NIS and NIPN enable regular and effective collaboration between relevant nutritionists, analysts, M&E officers, etc. from different sectors and stakeholders involved in nutrition and food security.
4. Identify whether different implementation settings – both projects managed by the same partners in Lao PDR or managed by different partners in Ethiopia – influence results for EC-NIS and NIPN in each country.

Methodology

1. Retrospective

- Desk review of documents, events, etc. that have already taken place.

2. Prospective

Using a “diary” to track of important developments, events, activities, etc. related to EC-NIS and NIPN:

- NIS and NIPIN focal points in both countries will meet and cooperate regularly to update the diary, which is an online document;
- regular technical consultations involving WHO, UNICEF and C4N (global level) and country focal points to discuss progress, challenges, etc.; and
- C4N’s case study focal person will travel to both countries towards the end of the monitoring period to review the diaries with the monitors and draft the first case study report.

Proposed study period from 2020 to 2023

Information to monitor and report in the diaries

- 1) Any **events** (training, meeting, workshops, webinars/seminar, etc.) supported or implemented (also related to the multisectoral approach supported by NIPN):
 - a. separately by EC-NIS or NIPN
 - b. jointly by EC-NIS and NIPN.
- 2) Any **products** supported or developed:
 - a. separately by EC-NIS or NIPN
 - b. jointly by EC-NIS and NIPN.
- 3) Any **nutrition- and food security-related policy decision** specifically referring to:
 - a. EC-NIS or NIPN
 - b. EC-NIS and NIPN.
- 4) Any information received in discussions talking about the value of EC-NIS **or** NIPN separately.
- 5) Any information received in discussions talking about the value of EC-NIS **and** NIPN.
- 6) NIS-NIPN **coordination and collaboration**:
 - a. Progress/achievements
 - b. Challenges (Note: if participants mention at meetings that NIS or NIPN work is of real value for the nutrition context in the country, this ought to be noted).

4. Project Steering Committee updates

4.1 NNIS: “The Fundamentals Series”

- In five informative modules, the series takes a practical look at critical topics related to national nutrition information systems.
- In addition, an interactive four-module e-course has been developed to complement The Fundamentals Series.
- The modules in The Fundamental Series and the e-course can be accessed at the following site: <https://data.unicef.org/resources/nutrition-nnis-guides/>.

4.2 NNIS: Technical Notes

A series of concise Technical Notes has been designed to provide more specific information on key issues related to national nutrition information systems.

Currently, there are five Technical Notes (available at the above NNIS website):

- Assessing a National Nutrition Information System
- Nutrition Data Value Chain
- Costing a National Nutrition Information System
- Designing Effective Data Visualizations
- The Power of Nutrition Dashboards, Profiles and Scorecards

Four additional Technical Notes are in development with others to follow in the future.

NNIS: additional Technical Notes (in development)

Making good use of nutrition data: this note will explore how data in an NNIS can be used effectively (e.g. determining national priorities, allocating resources, making programme/project improvements), and address the use of routine, survey and surveillance data.

Communicating and disseminating nutrition data, findings, and recommendations: this note will identify ways to communicate and disseminate key lessons and conclusions drawn from NNIS data more effectively, and include links to the technical notes on data visualizations and dashboards, etc.

Supporting the NNIS core team: this note will show how NNIS operations can be strengthened through a facilitative approach to hiring, training, supervising and engaging team members.

Building a practical set of nutrition indicators: this note will leverage work done on identifying core nutrition indicators (e.g. DHIS2 nutrition module, administrative data guide for nutrition) to explore how countries can build a practical set of indicators that reflects their realities and priorities.

4.3 Global DHIS2 Nutrition Module (NUT)

Development and rollout of the new nutrition module (NUT) for DHIS2 aims to strengthen the ability of countries to capture, integrate and analyse routine nutrition data at national and subnational levels:

<https://dhis2.org/metadata-package-downloads/>.

Topics in this first ever DHIS2 module on nutrition include:

1. Growth Monitoring and Promotion (GMP)
2. Infant and Young Child Feeding counselling (IYCF)
3. Micronutrients, including iron-containing supplements and Vitamin A supplementation (VAS)
4. Maternal nutrition counselling
5. Moderate and severe wasting.

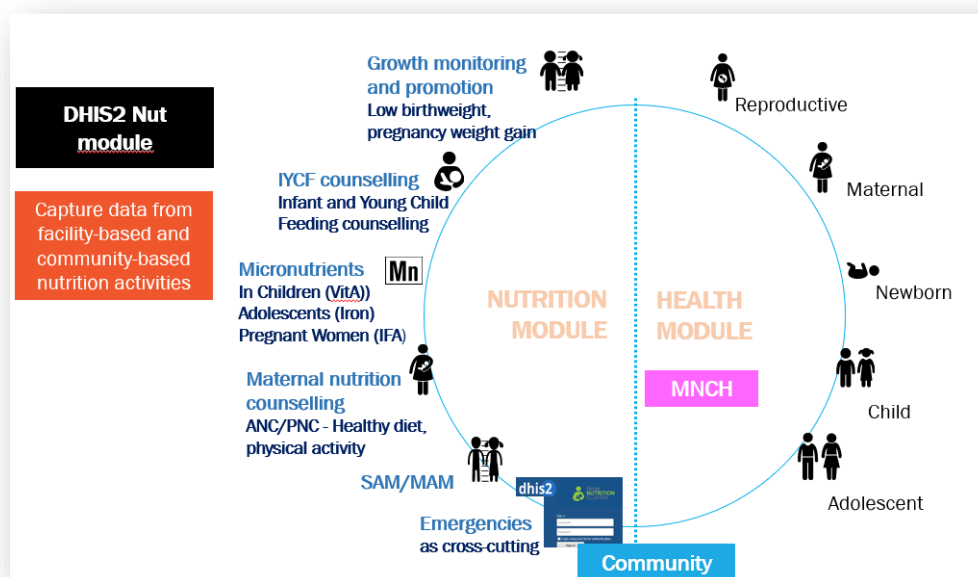
The NUT module is interoperable with the DHIS2 module “Emergencies” developed by the Global Nutrition Cluster. It has also been designed to capture data from facility- and community-based nutrition activities, recognizing the importance of both settings in the nutrition context.

4.4 Administrative Data Guide for Nutrition

Guidance for nutrition programme managers: toolkit for analysis and use of routine health facility data provides support to managers who are implementing and improving the collection and use of routine nutrition data at national and subnational levels. It has been designed around a set of core indicators to be tracked in a health management information system (HMIS):

<https://demos.dhis2.org/hmis/dhis-web-commons/security/login.action>.

The toolkit captures data from facility- and community-based nutrition activities as shown in Fig. 3 below and includes the modules indicated in the diagram.



4.5 DHIS2 Nutrition Module (NUT) – Next steps

1. Finalize programming

- DHIS2 NUT metadata package (UiO).

2. Baseline

- Review of nutrition elements currently reported in HMIS or other info systems.

3. Map country schedules

- Update registers
- Review HMIS or DHIS2
- Schedule upcoming health sector reviews
- Plan national/regional meetings.

4. Develop training and dissemination materials

5. Provide timely support for country roll-out and scale-up (Mapping global HISP network)

6. Methodological development and complementary tools

- DHIS2 NUT Individual Tracker: Future development will include preparing guidelines for longitudinal indicators and supporting countries using or moving towards individual trackers
- Data quality review tools for routine nutrition data
- Pilot testing around new monitoring areas e.g. use of data at the point of collection.

4.6 Guidance on the use of nutrition data from HMIS/DHIS2

Some countries have reached out to WHO for guidance on how to use nutrition routine data to generate national estimates. Terms of reference to develop guidance have been defined; phase 1 is ongoing.

PHASE 1:

- 1. Landscape analysis on collection and use of routine nutrition data**
- 2. Assess if documents available include enough information to develop this practical guidance**
- 3. Develop case studies comparing data from HMIS and from surveys**

PHASE 2:

- 4. Develop guidance (methodology, data quality assessment, data analysis and use)**
- 5. Develop training modules**

PHASE 3:

Implementation (orientation and training).

4.7 Development of a DHIS2 nutrition tracker

This tool is under development within the framework of an AICS grant to improve access to health and nutrition among pastoralist communities in the border between Ethiopia and Somalia.

PHASE 1 (anthropological study). Data collection finalized in August 2022. Data cleaning and analysis ongoing. Final results expected by end 2022.

PHASE 2 (identification and adaptation of a digital tool). After assessment of several existing IT solutions, it was decided to develop a nutrition tracker for DHIS2. Several discussions are currently ongoing with the Federal MoH of Ethiopia and Somalia to refine the business requirements of the tool with support from HISP while UiO develops the prototype.

PHASE 3 (field test). Expected to start in May–June 2023 with piloting of the prototype in target districts at the border between Ethiopia and Somalia. The project is expected to be finalized in June 2024.

5. Summary of next steps

- **Continue close collaboration and strategic interaction:**
 - sharing lessons among countries through materials and actual visits
 - scheduling monthly calls with a focus on key technical areas identified by countries.
- **Planning for 2023:**
 - all countries to share their workplans clearly outlining key activities and support required or the remaining period of the project
 - 2022 annual reporting to be distributed by end of November and financial reports by first week of January (including all activities up to 31 December 2022).
- **Technical support**
 - to continue through monthly calls between countries, and at regional and PSC levels, in order to address challenges as they arise.
- **Engage with countries on global NIS guidance development**
- **Show how data collected is used in decision-making and to inform policy:**
 - adopting a more focused and strategic approach
 - developing a template to capture data use and adoption of this component at all levels of the health system in consultation with countries.
- **NIPN-NIS collaboration will continue in the coming year.**

6. Closing remarks

Closing remarks were given by M. Xavier Pavard, EC representative. He thanked the participants from all the different countries and especially the Zambian authorities for hosting and organizing the 2022 global annual gathering. He emphasized that the meeting was crucial for the EC: while the gathering allows a comprehensive view of how progress is being made in implementing project activities, it also provided an opportunity for countries and stakeholders to share experiences, both successes and difficulties, and thereby to identify strategies for the next period of the project.

He underlined the fact that EC-NIS and NIPN have strengthened their collaboration and recalled that this is one of the reasons why NIPN will soon be implemented in Zambia in addition to the other four countries.

Lastly, he acknowledged the close partnerships which have been developed with authorities in the various countries in the interests of medium- and long-term sustainability and the impetus this has given for the EU delegations to assume an active role in these countries.

Closing remarks were also provided by Ms Agnes Aaongola, representing the Zambian authorities. She thanked everyone on behalf of the Director of the Child Health and Nutrition Unit, Dr Bobo. She acknowledged the great collaboration with UNICEF and WHO and technical and financial support provided to the country through the EC-NIS project.

She highlighted Zambia's commitment to support the improvement of nutrition data systems in the country and spoke about the need to embed NIS in academia as a measure to strengthen the capacity of the entire health work force. She expressed Zambia's engagement to continue participating in learning

from other countries such as Uganda, and welcomed the proposal to implement NIPN in Zambia which would support the process of effective data and information use.

She expressed her recognition to the partners for having recommended Zambia as host for the meeting, which had been a good opportunity for much learning and exchange of experiences. She was confident that discussions would continue after the gathering and hoped that provincial and district staff would be represented in future annual gatherings.

She finally declared the meeting closed.

List of annexes

Annex 1. List of participants

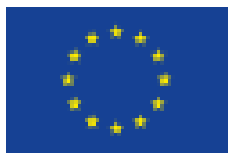
Annex 2. Annual gathering 2022. Terms of reference and agenda

Annex 3. Project logical framework (status as of December 2022)

Annex 1. List of participants

	Country	Name	Organisation	Title
1	Cote d'Ivoire	Ethmonia Kouame	National Nutrition Programme	National Nutrition programme Monitoring and Evaluation Manager
2	Cote d'Ivoire	Faustin N'Dri	NIPN	NIPN Manager
3	Cote d'Ivoire	Kevin Serge Akaffou Ohand	UNICEF	UNICEF Nutrition Specialist
4	Cote d'Ivoire	Krystel M'Bahia-Yao	National Nutrition Programme	National Nutrition programme Deputy Director
5	Cote d'Ivoire	Oka rené Kouame	National Nutrition Programme	National Nutrition programme Director
6	Ethiopia	Ambissa Muleta	NIPN	NIPN Manager
7	Ethiopia	Andualem Bekele	WHO	"Pastoral project" head
8	Ethiopia	Aregash Samuel EPHI	EPHI-NIPN	Researcher at Ethiopian Public Health Institute, NIPN coordinator
9	Ethiopia	Awash Etsegenet	MOH	Multisectoral Nutrition Information
10	Ethiopia	Firehiwot Mengistu	UNICEF	Nutrition Specialist
11	Ethiopia	Getahun Beyene	WHO	Nutrition Officer
12	Ethiopia	Meron Girma	EPHI-NIPN	Public Health Analyst, NIPN
13	Ethiopia	Ousman Hassina	NIPN	NIPN Manager
14	Ethiopia	Tarekegn Negesse	WHO	Consultant
15	Ethiopia	Hiwot Dersane	MOH	Director, Food and nutrition coordination
16	Ethiopia	Nino Dayanghirang	WHO	UHC/HP cluster lead
17	HQ/RO/Global	Andrea Bettini	NIPN HQ	C4N-NIPN
18	HQ/RO/Global	Barbara baille	NIPN HQ	C4N-NIPN
19	HQ/RO/Global	Chika Hayashi	UNICEF DAPM	Senior Advisor Statistics and Monitoring
20	HQ/RO/Global	Elaine Borghi	WHO HQ	Monitoring Nutrition and Food Safety Unit
21	HQ/RO/Global	Elisa Dominguez	WHO	Technical officer
22	HQ/RO/Global	Flaminia Mussio	NIPN HQ	C4N-NIPN
23	HQ/RO/Global	Hana Bekele	WHO	Regional Nutrition Advisor
24	HQ/RO/Global	Julia Untoro	WHO WPRO RO	Regional Nutrition Advisor
25	HQ/RO/Global	Kuntal Saha	WHO	Technical officer
26	HQ/RO/Global	Laetitia Ouedraogo	WHO AFRO RO	Regional Nutrition Advisor
27	HQ/RO/Global	Laura Barrington	NIPN HQ	NIPN head
28	HQ/RO/Global	Louise Mwirigi	UNICEF HQ	Nutrition Specialist
29	HQ/RO/Global	Melissa Kennie Scott	NIPN HQ	C4N-NIPN
30	HQ/RO/Global	Mueni Mutunga	UNICEF EAPRO	Regional Nutrition Advisor
31	HQ/RO/Global	Neu Ingo	NIPN	C4N-NIPN
32	HQ/RO/Global	Richard Kumapley	WHO	Epidemiologist
33	HQ/RO/Global	Xavier Pavard	EC Brussels	Focal point
34	HQ/RO/Global	Youssef Keita	NIPN	C4N-NIPN
35	Laos	Chankham Tengbriacheu	MCHC, MoH	Deputy Director of Mother and Child Health
36	Laos	Janneke Blomberg	UNICEF	Chief of Nutrition Section

	Country	Name	Organisation	Title
37	Laos	Ketkesone Phrasisombath	DHHP, MoH	Deputy Director of Department of Hygiene and Health Promotion, MoH
38	Laos	Khankeo Souliyamath	DPC, MoH	Deputy Head of Health Information Division, Dpt of Planning and Cooperation, MoH
39	Laos	Kovalan Kumaran	UNICEF	NIS Consultant
40	Laos	Phonesavanh Keonakhone	CN, MoH	Director of Center of Nutrition
41	Laos	Prosper Dakurah	UNICEF	Nutrition Specialist
42	Laos	Roland Dilipkumar Hensmar	WHO	Technical Officer at Health Information Division, WHO
43	Laos	Soukviengkhone Phongoud	DPC, MoH	Deputy Head of Health Information Division, Dpt of Planning and Cooperation, MoH
44	Laos	Southiny Phiahouaphanh	WHO	Health Information Systems Consultant
45	Laos	Vatthana Atanaphone	EU	Program Manager
46	Laos	Vienthong Chongwaxiong	DPC, MoH	Technical Officer at Health Information Division, Dpt of Planning and Cooperation, MoH
47	Laos	Vilasith Mikhasith	CN, MoH	Deputy Head of Training Division, Center of Nutrition
48	Laos	Vilon Viphongxay	UNICEF	Nutrition Program Officer
49	Uganda	Alex Mokori	UNICEF	Nutrition specialist
50	Uganda	Edmond Muyingo	MoH-DHI	M&E officer
51	Uganda	Jonatan Landstrom	EU Delegation Uganda	NIPN Focal Point
52	Uganda	Mary Nabisere	UNICEF	Nutrition officer
53	Uganda	Nelly Birungi	UNICEF	Nutrition Specialist
54	Uganda	Nicholas Kirimi	UNICEF	Nutrition Officer/SURGE support
55	Uganda	Phoebe Nabunya	WHO	Nutrition consultant
56	Uganda	Samuel Galiwango	MOH	Statistician/Economist, Office of the Prime Minister
57	Zambia	Aaron Sinyangwe	Ministry of Health HQ	Consultant - District Health Information Officer
58	Zambia	Antony Njovu	UNICEF	
59	Zambia	Bernard Samake	WHO	
60	Zambia	Brivine M. Sikapande	Ministry of Health HQ	Chief Monitoring and Evaluation
61	Zambia	Caroline Chiyota	UNICEF	Nutrition Specialist
62	Zambia	Chipo Mwela	WHO	National Professional Officer Nutrition
63	Zambia	Chipo Sikazwe	Provincial Health	Ministry of Health Southern Zambia
64	Zambia	David Ngula	Ministry of Health HQ	Principal Monitoring and Evaluation Officer
65	Zambia	Florence Mtawale	Ministry of Health HQ	
66	Zambia	Fred Chalula	Luapula Zambia	
67	Zambia	Jane Mbebeta	Copperbelt Zambia	
68	Zambia	Josephine Ippé	UNICEF	Nutrition Specialist
69	Zambia	Kibet Langat	Independent	Note-taker
70	Zambia	Lamek Nyirenda	E4H Zambia	
71	Zambia	Martin Mzumara	WHO	National Professional Officer Scaling Up Nutrition
72	Zambia	Mr. Ricco Kapela	Provincial Health	Principal Nutritionist-Eastern Pprovince
73	Zambia	Ms. Chumary Munyinya	Office	Province
74	Zambia	Ruth Siyandi	UNICEF	Nutrition Specialist
75	Zambia	Joseph Mudenda	Ministry of Health HQ	



Strengthening the Nutrition Information System (NIS) in five countries

Year 3 annual gathering –

Terms of reference

October 2022

Introduction

UNICEF and WHO have launched a joint project aimed at improving national nutrition information systems in five countries – Ethiopia, Ivory Coast, Lao PDR, Uganda and Zambia – with financial support from the European Commission. UNICEF and WHO teams in these countries are providing technical support and guidance to implement key activities aiming at improving the generation of timely and quality nutrition data.

The third annual gathering is marked by a progressive return to normal after the great improvement following the global COVID-19 pandemic situation. This has positively impacted activities in the project countries, which have seen an acceleration during 2022. The gathering in November 2022 could also be considered as a midterm evaluation to assess the rate of implementation and identify activities and efforts that need to accelerate in 2023 and first quarter of 2024.

Zambia, one of the project countries, will be hosting and organizing the annual gathering this year. The gathering will be hybrid in form, with key Project Steering Committee (PSC) members participating in person (EC focal point in Brussels to be invited as well as NIPN at global level) while other country teams will join online. PSC members will take this opportunity to meet with the government officials, partners and visit one of the implementation sites.

Objectives of the annual gathering

The overall objective of the annual gathering in 2022 is to review the implementation of the project activities, and to identify efforts needed for acceleration in 2023 and first quarter of 2024. If PSC presence is finally confirmed, an assessment of activities implemented in Zambia through in-person visits and discussions with authorities and stakeholders will be possible as well.

The specific objectives will be:

- to assess the implementation status and impact of activities to date and to share lessons learnt;
- to discuss gaps and challenges and identify actions that need acceleration in 2023 and the first quarter of 2024 to achieve the expected impact at the project's conclusion;
- to deep-dive on the implementation of activities in Zambia in concertation with the Zambia team, PSC and EU; and
- to share experiences between the five countries and other interested countries in improving national nutrition information systems (NIS).

Expected outputs

- A meeting report setting out the implementation status of the five countries in 2022 and identifying efforts which need to be accelerated in 2023 and 2024 (workplan for Y4 (2023) and first quarter Y5 (2024)).
- A PSC visit report detailing the implementation status of activities as well as lessons learnt and challenges during project implementation in Zambia.

Meeting date and process

The third annual gathering will be hosted in Zambia using a hybrid approach based on five national review workshops to be held in each country with the participation of the country steering committees and technical working groups. The national workshops are to be organized in October 2022: they will also provide the opportunity to carry out a midterm review of activities in each project country.

The annual gathering will be organized by the Zambia country team. A PSC mission to Zambia will be conducted in the last week of October 2022 to take advantage of this event: it will include a visit to activities at one of the implementation sites and a meeting with government officials and partners.

Each country will summarize its main achievements during Year 3 of the project (2022) presenting the results of the review conducted at the national workshop, highlighting impacts achieved thus far, analysing challenges or bottlenecks, identifying opportunities and key actions for acceleration in 2023 and 2024 and determining whether there is a need for adjustments.

Other countries interested or hoping to benefit from initiatives to strengthen their nutrition information systems will be invited to participate remotely in the workshop to learn from these five NIS countries and share their own experiences.

Organization

- PSC visit (24 to 28 October 2022) of one of the project implementation sites and discussion with authorities and other stakeholders on progress achieved thus far in order to determine efforts needed to achieve the project's expected objectives (see ToR for this PSC field visit).
- Annual gathering (27 October 2022) organized by the Zambia team. English-French-English translation will be needed as well as a rapporteur to prepare the meeting report.

Agenda for the annual gathering 2022

Time	Topic	Responsible person
		Moderator: Louise Mwirigi (UNICEF HQ)
	Registration Introduction to the meeting etiquette Introduction of participants EC-NIS video	UNICEF/WHO
	Welcome address Objectives and agenda Opening remarks (3 min each)	Chief M&E, MoH Zambia UNICEF/WHO, EC representative, PSC Spokesperson (Chika Hayashi, UNICEF) MoH of project countries: Côte d'Ivoire, Ethiopia, Lao PDR, Uganda, Zambia
	Presentation of country teams: midterm review, impact achieved so far, challenges, key actions for acceleration (10 min/country) Discussion, Q&A (20 min)	MoH of Zambia, Uganda, Lao PDR
	Break (15 min)	
		Moderator: Elisa Dominguez (WHO)
	Presentation of country teams: midterm review, impact achieved so far, challenges, key actions for acceleration (10 min/country)	MoH of Ethiopia, Côte d'Ivoire
	Discussion, Q&A (20 min)	
	EC-NIS and NIPN case studies (10 min)	NIPN (Ingo Neu)
	Updates from PSC (15 min)	UNICEF, WHO
		Moderator: Elisa Dominguez (WHO)
	Q&A (10 min) Next steps (10 min)	Louise Mwirigi (UNICEF)
	Closing remarks (3 min/each)	EC Representative MoH of Zambia

Annex 3. Project logical framework (updated at end 2022)

Indicative log frame matrix	Results chain	Indicators	Baseline (before April 2020)	Update end Year 1 (2020)	Update end Year 2 (2021)	Update end Year 3 (2022)	Source and means of verification
Impact (overall objective)	Uptake of nutrition information and improved knowledge for policy and programme development, implementation and monitoring	Number and type of new documents (e.g. regional and national nutrition policies, sector strategies, programme documents, media) drawing on NIS information per country	None	Côte d'Ivoire: No document developed	Côte d'Ivoire: Nutrition Data Management Procedures Manual developed	<ol style="list-style-type: none"> 1. Nutrition Data Consistency Rules Orientation Guide 2. Procedure guide for extracting health data in the DHIS2 platform for the use of the consistency and consolidation matrix of nutrition data 3. Manual for analysis and interpretation of nutrition data 	Manuals available
				Ethiopia: national food and nutrition strategy monitoring framework updated	Ethiopia: NIS assessment done; training material developed	The national costed FNS has been launched and the FNS monitoring framework highlighted	UNISE documents available (User manual and Operations procedures manual)
				Lao PDR: RMNCAH strategy including nutrition indicators	Lao PDR: Mapping of nutrition data	<ol style="list-style-type: none"> 1. Implementation plan for strengthening national NIS, Indicator mapping in DHIS2 2. SOPs for routine nutrition monitoring 3. Inclusion of nutrition indicators in RMNCAH framework and action plan 	Manuals available

				<p>Uganda : No document developed</p>	<p>Uganda: National Nutrition M&E framework finalized and validated</p> <p>Uganda: Annual nutrition report</p>	<p>Uganda:</p> <p>Expanding DHIS2 to all districts</p> <p>Nutrition annual report 2021</p> <p>Nutrition Data Quality tool</p> <p>Validation of Support Supervision tool</p>	<p>Reports available</p>
				<p>Zambia: NIS Desk review report</p>	<p>Nutrition 2020 DHIS2 report published</p> <p>Revised tools printed</p> <p>Nutrition indicators manual available</p> <p>Child Nutrition Programme Management module validated</p> <p>Training developed</p> <p>Data Quality Module developed</p>	<p>Zambia:</p> <p>DQA conducted in 2021 in 17 districts and report generated</p> <p>Proportion of districts reporting and using the revised system and tools</p>	<p>Nutrition Information System DQA Report 2021available</p>
		<p>Number of events that were attended by high-level policy makers and programme managers to facilitate nutrition</p>	<p>None</p>	<p>1 event attended by stakeholders: EC-NIS Inception meeting (all countries except Lao PDR)</p> <p>Zambia: The Nutrition Multi-Sector Coordination</p>	<p>1 review workshop at national level in all countries (Oct-Nov 2021)</p> <p>1 event attended by stakeholders: EC-NIS annual gathering Y2 (November 2021)</p>	<p>1 review workshop at national level in all countries (Oct-Nov 2022)</p> <p>1 event attended by stakeholders: EC-NIS annual gathering Y3 (October 2022)</p>	<p>Annual gathering review 2021 (Y2) available including list of participants</p> <p>Country workshops reports available</p>

		policy dialogue		<p>Platform took place in November 2020</p> <p>Ethiopia: One workshop organized with stakeholders to review the monitoring framework of the National Food and Nutrition Strategy</p>	<p>Côte d'Ivoire: 4 programme workshops (Nutrition Data Procedures manual)</p> <p>Ethiopia: 1 programme workshop (NIS Review presentation).</p> <p>Lao PDR: 1 Programmatic workshop (Review of nutrition indicators and validation workshop)</p> <p>Uganda: 2 Programmatic workshops (National nutrition symposium, annual review meeting and presentation made during World Breastfeeding Week)</p> <p>Zambia: 1 Programmatic workshop (prioritization of nutrition indicators)</p>	<p>Côte d'Ivoire: 6 Programmatic and strategy workshops (including some at regional level)</p> <p>Ethiopia: 2 high level meetings (higher level policy dialogue on FNS, NIS workshop for regional MoH officers)</p> <p>Lao PDR: 3 (SOP validation workshop, consultation meeting for nutrition module in DHIS2 and validation workshop for same module)</p> <p>Uganda: Information here to be drafted by Uganda team</p> <p>Zambia:</p> <ol style="list-style-type: none"> 1.Integrated multisectoral management information system to facilitate management and analysis of nutrition related data across Zambia 2.MNMIS built upon DHIS2 database infrastructure 3.Accessible to line ministries implementing SUN II i.e. MoH, MoA, MFL, MCDSS, MWDS and MoGE 4.It is hosted (infratel) and coordinated by NFNC 	<p>Presentations made during the meetings available (report being finalized)</p>
--	--	--------------------	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------

Outcome (specific objectives)	Improved NIS and country capacity in monitoring programmes and international/national nutrition targets	Nutrition indicators (including GNMf indicators) are reported adequately	Mapping of GNMf indicators available for CI (14 indicators out of 20) and ZAM (16 out of 20)	<p>Ethiopia, Lao PDR and Zambia already have a list of indicators to be integrated in HMIS/DHIS2</p> <p>Côte d'Ivoire: this list of indicators is being validated by the government</p> <p>Uganda: All (38) nutrition indicators finalized and already integrated in the DHIS2</p>	All countries have already finalized the list of nutrition indicators to be integrated within the DHIS2	Achieved. Number of nutrition indicators is different for each country	List of indicators to be integrated in HMIS/DHIS2 is available for all five countries
Outputs	1. A revised National Nutrition Monitoring Framework filling in major nutrition data	1. Nutrition indicators (including GNMf indicators) collected through the Nutrition Monitoring Framework per country	Some nutrition indicators already collected in national M&E framework	<p>Ethiopia, Lao PDR and Zambia already started the NIS desk review to update the national M&E framework</p> <p>Uganda: All indicators in the national nutrition monitoring and evaluation framework are already customized in the DHIS2</p>	All countries have already finalized the NIS assessment and adapted the national Nutrition M&E framework (these indicators are in process of being integrated within the DHIS2 platform)	All countries are now producing DHIS2 dashboards with nutrition indicators as per their national M&E framework	National Nutrition M&E frameworks including selected nutrition indicators have been revised in all five countries
	2. Refined/new data collection system (revised data collection tools and digital data collection) for existing HMIS including a nutrition	2. Number of refined/new data collection tools for HMIS and other nutrition-sensitive areas	2. None	<p>Zambia: Some HMIS tools revised (Child health tally sheet, reproductive health tally sheet, nutrition register, child growth assessment card)</p>	<p>Côte d'Ivoire: HMIS/DHIS2 tools are in process of being revised. Nutrition Data Procedure manual developed</p> <p>Lao PDR, Ethiopia, Zambia and Uganda: HMIS/DHIS2: tools revision finalized (in</p>	All countries: HMIS tools revised (distribution across the countries in process), and nutrition indicators configured in the DHIS2 platform	<p>HMIS/DHIS2 revised tools are available</p> <p>Nutrition in HMIS/DHIS2 manuals available</p> <p>SOP for nutrition data capture and reporting available</p>

	module (both routine and sentinel site)			<p>Uganda: No nutrition in HMIS/DHIS2 manuals, standard operating procedures for nutrition data capture and reporting in HMIS/DHIS2</p> <p>Uganda: No ODK tool for mentorship and supervision</p>	<p>process of printing and distribution)</p> <p>Uganda: finalized nutrition component in HMIS/DHIS2 manuals and SOPs for nutrition data capture and reporting. Mentorship and supervision tool drafted.</p>		
Outputs	3. Enhanced human resources capacity for data management (collection, analysis, interpretation, communication and quality control) and for NIS management	<p>3. Number and profiles of people trained on competencies required by a NIS per country</p> <p>3.2 Number of policy makers and managers trained by the project per country</p>	<p>3.1 No people trained on NIS by the project</p> <p>3.2 No policy-makers or managers trained by the project</p>	<p>Ethiopia: Training of Trainers on UNISE/DHIS2 provided to Federal and Amhara region as well as rollout to end-user level training of the UNISE to the health workers: 18 experts attended a five-day training (15 ICT experts and 3 Monitoring and Evaluation Advisors).</p> <p>Uganda: 0 health workers trained</p>	<p>Ethiopia: first-round training completed for experts and middle-level managers on UNISE</p> <p>Zambia: training of nutrition and M&E officers in 17 districts (625 facilities) ongoing</p> <p>Training not yet started in Côte d'Ivoire and Lao PDR</p> <p>Uganda: A total of 110 national trainers for nutrition in HMIS/DHIS2 module (comprising of health workers, Biostatisticians, medical records officers)</p>	<p>Côte d'Ivoire:</p> <p>226 data managers at district level and 66 at region level trained</p> <p>Ethiopia: 125 health workers trained on the revised HMIS tools</p> <p>Lao PDR: Human resources at MOH capacitated at central level, but only partially at provincial level as focus in 2022 was in 4 priority provinces</p> <p>Uganda: ToT in nutrition HMIS/DHIS</p> <p>On-job mentorship in nutrition data management for 50 health facilities</p>	Training material and reports available

					<p>50 Policy makers trained on the use of DHIS2 data and nutrition information products for decision making</p>	<p>Trained 150 health workers on nutrition data entry into DHIS2 in West Nile and Tooro regions</p> <p>Oriented 130 health workers on the use of scorecards and dashboard, Oct 2022</p> <p>Zambia: ToT for subnational implementation of SOPs and reporting tools (in progress: expected to be completed by Dec 2022)</p> <p>Dissemination of SOPs (in progress: national Level: complete, subnational level: Nov 2022)</p> <p>Training of health facility workers on new reporting formats (in progress: 3 provinces complete, 1 to be completed by Dec 2022)</p>	
	<p>4. An improved data management system capable of generating quality nutrition data and information for programmes and policies</p>	<p>4.1 A system providing quality nutrition information in a timely manner</p>	<p>Nutrition indicators partially implemented in the national systems</p>	<p>Ethiopia: UNISE implemented in 8 pilot woredas</p> <p>Uganda: None of the nutrition indicators were yet customized in DHIS2</p>	<p>Ethiopia: Technical support in upgrading DHIS2/UNISE ongoing. Ongoing support to provide training for HMIS focal persons and nutrition focal persons and nutrition managers at central and regional level. Printing of revised tools is in process of distribution to regions and facilities</p> <p>UNISE Implemented in 8 pilot woredas and preparation for scale up in other woredas.</p>	<p>All countries now have an improved data management system in DHIS2 providing nutrition data through dashboards.</p> <p>Additional work is still required on data quality and to improve data analysis, interpretation, and use</p> <p>Côte d'Ivoire: 113 districts (100%) producing nutrition dashboards</p>	<p>Priority nutrition data can be now gathered through DHIS2 in all countries via different dashboards</p>

					<p>Preparation to upgrade UNISE into an online system is under way</p> <p>Zambia: customization of indicators, development of dashboards, etc., in HMIS/DHIS2 ongoing</p> <p>Uganda: all nutrition indicators in the national nutrition monitoring and evaluation framework are customized in DHIS2. National and regional nutrition dashboard developed</p> <p>Côte d'Ivoire, Lao PDR: revision of data systems on DHIS2 planned in 2022</p>	<p>Ethiopia: UNISE system upgraded in 2022. Scaled up in 10 woredas in 2022</p> <p>Lao PDR: 4 provinces (25%) producing nutrition dashboards</p> <p>Uganda: Expansion of DHIS2 to lower-level health facilities in selected districts (50 health facilities in Yumbe, Koboko, Kamwenge and Kyegegwa being supported)</p> <p>Zambia:</p> <p>1.Revision of data systems on DHIS2 (programming)</p> <p>2.Procure soft and hardware for system set up for RMNCAH indicators (completed - Handover event will be completed by Nov)</p>	
5. Availability of quality and timely routine/survey data	5.1 Number of indicators (including GNMf indicators) included in the annual report published by HMIS/NIS, per country	5.1 Nutrition indicators (including GNMf indicators) included in the annual report in 2020	<p>Uganda: A total of 18 indicators reported in the quarterly nutrition bulletins and policy briefs. Nutrition indicator reported in the annual health sector report</p> <p>Zambia: Publication of the Annual HMIS</p>	<p>Uganda: 2 policy briefs, 2 newsletters and 4 bulletins published. Published nutrition section in the annual health sector report and national nutrition report</p> <p>Ethiopia: GNMf indicators included in the national strategy and attempts to</p>	<p>All countries are currently producing DHIS2 dashboards with nutrition information gathered on their DHIS2 platform</p> <p>Discussions ongoing to integrate such information in the national platforms supported by NIPN</p>	DHIS2 nutrition dashboards available (some of them shown in the report)	

				report for 2020 (<i>Bulletin of Health Statistics</i>)	include them in the annual review meeting Zambia: Nutrition DHIS2 2020 report published (2021 under development)		
	6. Improved dissemination of NIS information	6.1 Number of presentations by NIS team given at meetings or events, per country	None	All countries except Lao PDR did presentations during the project inception meeting and joint country workshops	All countries have done NIS presentations in several workshops and events including the Y2 annual gathering	<p>All countries have conducted NIS presentations in several workshops and events including the Y3 annual gathering (27 October 2022)</p> <p>Ethiopia: nutrition data disseminated through an annual report (under development at time of writing)</p> <p>Lao PDR: nutrition indicators in DHIS2 disseminated through newsletters (3 newsletters produced in 2022)</p> <p>Uganda: nutrition data is made available through newsletters, annual reports and through the Nutrition Symposium held every year</p>	<p>Y3 annual gathering (2022) under finalization at time of writing</p> <p>Annual gathering 2021 report published in EC-NIS UNICEF and WHO webpages</p>