

PROFILE

Food security expert with over 15 years of experience leading data-driven projects in development and humanitarian contexts. Specialized in acute food security analysis, early warning systems, and decision support tools across diverse geographies. Proficient in integrating complex datasets to produce actionable insights for humanitarian interventions. Experienced in leveraging technology to enhance the design and implementation of food security monitoring systems and communication strategies.

PROFESSIONAL EXPERIENCE

MAY 2022– DEC 2025

World Food Programme (WFP)

Remote | Multiple Offices

- Led data quality assurance, cleaning, and analysis for Rounds 12 and 13 of the joint FAO-WFP Food Security and Livelihoods Assessment in Myanmar, including trend analysis across historical rounds and preparation of findings for IPC classification and inter-agency reporting.
- Led the analysis of WFP Myanmar's Remote Food Security Monitoring (RFSM) survey, developing reproducible analytical pipelines and generating key food security indicators for programme decision-making.
- Led analyses of WFP Afghanistan beneficiary data to develop data-driven recommendations for optimizing food assistance targeting strategies.
- Supported food security analyses for multiple rounds of a joint WFP-FAO remote food security survey in Myanmar, the results of which inform both organisations' ongoing operations and feed into the IPC.
- Led the analysis of a joint WFP-Ministry of Agriculture national food security survey in Timor-Leste and provided strategic recommendations to key stakeholders for mitigating food insecurity impacts of price inflation and drought.
- Updated and optimized the Python backend for WFP Pacific's food security data pipeline, ensuring seamless operations and continued data availability for regional government partners.
- Supported WFP offices (Pakistan, Sri Lanka, Lao PDR, Philippines) in the design and operationalization of remote phone-based food security monitoring systems (mVAM).

APR 2022 – DEC 2022

FHI 360 (Alive & Thrive Initiative)

Remote | Viet Nam

- Analysed disparities in Maternal, Infant, and Young Child Nutrition (MIYCN) outcomes across Cambodia, Viet Nam, and Lao PDR using MICS and DHS datasets (2000–2021), generating equity-focused recommendations to improve access and utilization of services for vulnerable populations.

SEP 2021 – DEC 2021

World Food Programme (WFP)

Remote | Thailand

- Provided strategic and technical guidance to WFP offices in the Asia Pacific region, including estimating populations in need (PIN) and evaluating targeting criteria, ensuring alignment with WFP's acute food security frameworks.

JAN 2021 – JUL 2021

World Food Programme (WFP)

Cambodia

- Led WFP Cambodia's food security analysis activities, including in-house GIS experts and developers, providing critical information to UN agencies and partners during restrictive COVID-19 lockdowns.

NOV 2019 – DEC 2020

World Food Programme (WFP)

Thailand

- Provided technical support for COVID-19 remote food security assessments in the Philippines, Pacific Islands, and Myanmar, and delivered strategic guidance in the Philippines to align assessment outputs with the government's social protection system (4Ps) while enhancing WFP's role as a technical partner.
- Led a series of resource mobilisation efforts targeting emergent food security issues with ECHO (urban EPR), IKI (climate change), and IPP (remote sensing/climate).

JUL 2020 – AUG 2020

Iodine Global Network (IGN)

Remote | Namibia

- Analysed the 2015-16 Namibia Household Income and Expenditure Survey (NHIES) using tailored Python scripts, calculating micronutrient consumption by demographic characteristics to inform national discussions on micronutrient fortification strategies.

AUG 2018 – AUG 2019

World Food Programme (WFP)

Mozambique

- Established a remote food security and nutrition monitoring system (mVAM) for areas of the country affected by chronic food insecurity, climate variability, and recent natural disasters.
- Analysed food security monitoring data for WFP South Sudan to enhance the effectiveness and efficiency of program targeting.

FEB 2018 – JUN 2018

World Food Programme (WFP)

Italy

- Conceptualised and developed an automated solution to generate monthly mVAM bulletins for Yemen and Syria (including data extraction, storage, analysis, and visualisation).

AUG 2014 – DEC 2017

World Food Programme (WFP)

Thailand

- Led the design and implementation of a \$1.2M DFID-funded project in Bangladesh to enhance government capacity for generating and utilizing data on social safety net programs and developed an equity-based targeting mechanism for the joint WFP/Ministry of Education school feeding program in Bhutan.
- Managed data analytics and reporting for remote food security monitoring surveys in Papua New Guinea and coordinated food security analysis for the Rohingya refugee emergency in Cox's Bazar, Bangladesh, ensuring effective targeting during the initial influx in 2017.
- Conducted critical assessments in Afghanistan and Fiji, including reviewing WFP Afghanistan's food security analysis to inform the Country Strategic Plan and leading the Fiji Food Security and Livelihoods Recovery Needs Assessment to guide post-cyclone recovery programming.

FEB 2016 – JUL 2016

World Food Programme (WFP)

Guinea-Bissau

- Designed and implemented a school feeding baseline survey for WFP's USDA-funded school meals programme in Guinea-Bissau.

JAN 2016 – FEB 2016	World Food Programme (WFP)	Remote Myanmar
	<ul style="list-style-type: none"> Analysed data from the 2015 Southeast and Rakhine State Food Security and Poverty Survey for incorporation into WFP Myanmar’s 2016 Food Security Atlas. 	
AUG 2015 – SEP 2015	World Food Programme (WFP)	Bangladesh
	<ul style="list-style-type: none"> Finalised the 2013 Bangladesh Urban Slum Survey data analysis and report; presented key findings to high-level Government stakeholders. 	
OCT 2013 – JUL 2014	United Nations Children’s Fund (UNICEF)	Thailand
	<ul style="list-style-type: none"> Provided technical and strategic guidance to UNICEF’s emergency-prone offices on developing nutrition information systems and led emergency nutrition surge support in Tacloban City during the immediate aftermath of Typhoon Haiyan, delivering actionable data to inform critical decision-making. 	
JUN 2012 – JUN 2013	World Food Programme (WFP)	Cambodia
	<ul style="list-style-type: none"> Developed tools and coordinated stakeholder reviews to enhance the usability and design of the Ministry of Planning’s IDPoor household poverty database for UN and development partners. 	
OCT 2011 – MAY 2012	United Nations Children’s Fund (UNICEF)	Cambodia
	<ul style="list-style-type: none"> Conducted trend analyses to identify the main determinants of inequitable MIYCN outcomes and utilisation of services from the 2000, 2005, and 2010 Cambodia Demographic and Health Surveys (DHS). 	
DEC 2011 – MAR 2012	World Food Programme (WFP)	Cambodia
	<ul style="list-style-type: none"> Coordinated a multi-stakeholder household survey to assess the relief and recovery needs of rural populations affected by the 2011 floods in rural Cambodia. 	
JUL 2011 – SEP 2011	United Nations Children’s Fund (UNICEF)	Liberia
	<ul style="list-style-type: none"> Coordinated the finalization of the Liberia National Micronutrient Survey with UNICEF and the Ministry of Health and Social Welfare and analysed blood serum data to produce accurate prevalence estimates of iron and vitamin A deficiencies in children, supporting evidence-based nutrition interventions. 	
NOV 2010 – FEB 2011	World Food Programme (WFP)	Cambodia
	<ul style="list-style-type: none"> Coordinated a household nutrition survey to assess the effectiveness of WFP’s “Support to Mother and Child” project. 	
AUG 2010 – NOV 2010	United Nations Children’s Fund (UNICEF)	Cambodia
	<ul style="list-style-type: none"> Supported development of a food security and nutrition early warning system to increase the Government’s capacity for predicting and responding to natural disasters. 	
MAY 2010 – JUL 2010	Concern Worldwide	South Sudan
	<ul style="list-style-type: none"> Coordinated two nutrition survey in South Sudan, the results of which Concern Worldwide used to authorise emergency programme activities. 	
JUN 2009 – DEC 2009	United Nations Children’s Fund (UNICEF)	Ethiopia
	<ul style="list-style-type: none"> Developed and implemented a therapeutic feeding program (TFP) monitoring system in collaboration with Ethiopian Regional Health Bureaus, NGOs, and UNICEF, assessed compliance and performance at TFP sites across Oromia and Amhara regions, and coordinated efforts to address logistical and supply gaps to enhance service delivery. 	

JUN 2007 – JUN 2009

United Nations Children's Fund (UNICEF)

Zimbabwe

- Supported UNICEF's Multiple Indicator Monitoring Survey with the Central Statistical Office and analysed 2008 micronutrient survey data to guide policy with Zimbabwe's Food and Nutrition Council.

EDUCATION

JUL 2006 — DEC 2007

Master of Public Health – International Health and Development

Tulane University School of Public Health and Tropical Medicine, USA

Concentration: Nutrition in Developing Countries

AUG 2001 – MAY 2005

Bachelor of Arts – Chemistry

Washington University in St. Louis, USA

Concentration: Biochemistry

SKILLS & TECHNOLOGIES

- Highly proficient in Python, R, Stata, SPSS, and SQL for data management and analysis. Experienced with Tableau for data visualisation.

PUBLICATIONS & PRESENTATIONS

- Prak, S., Dahl, M.I., Oeurn, S., Conkle, J., Wise, A., & Laillou, A. "Breastfeeding Trends in Cambodia, and the Increased Use of Breast-Milk Substitute—Why Is It a Danger?" *Nutrients* 6 (2014): 2920-2930. doi:10.3390/nu6072920
- Sandalinas, F., Wise, A., Baawo, K., Faigao, K., Johnston, R., Thurnham, D., & Kupka, R. "Adjustment of indicators of iron and vitamin A status in a nationally representative sample of Liberian children." *Hidden Hunger Conference 2013*, University of Hohenheim, Stuttgart, Germany.