



FOOD SECURITY
CLUSTER

Technologies/ software and new approaches

IM RETREAT , 09 – 11 May 2023



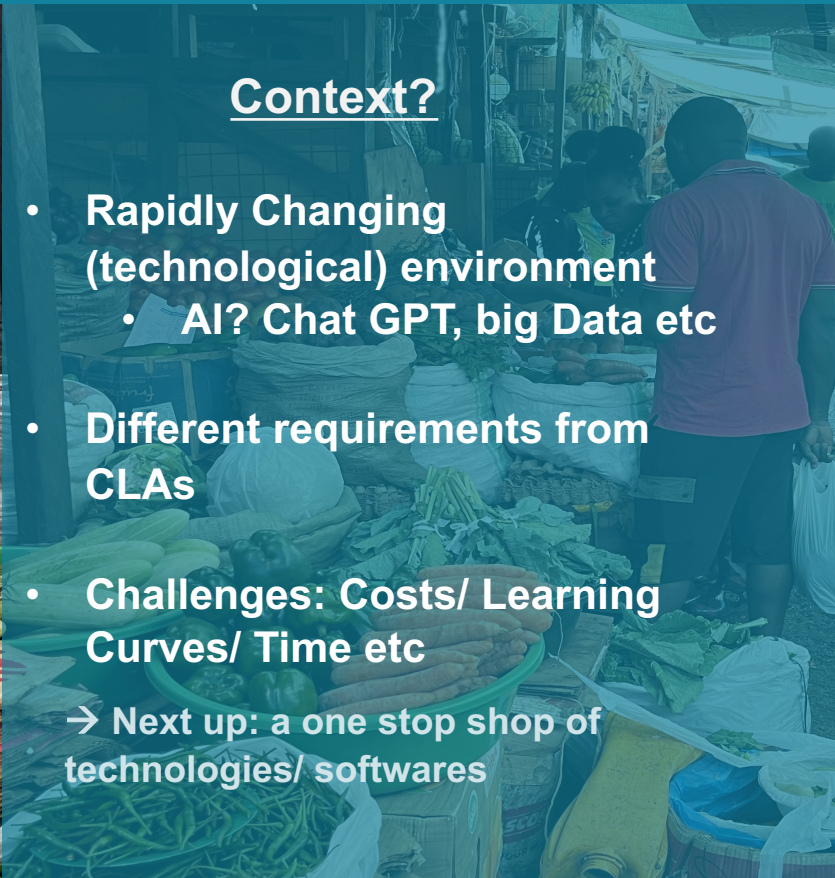
Technologies/ software and new approaches

#	Topic	Time allocated	Modality	Facilitator
1.	Introduction	5min	Plenary	
2.	CLA Technologies	10min	Plenary	
3.	Technologies/ Softwares and new approaches	30min	Plenary	
4.	Discussion	15min	Group Discussion	

“Technologies Market Place”

Context?

- **Rapidly Changing (technological) environment**
 - AI? Chat GPT, big Data etc
- **Different requirements from CLAs**
- **Challenges: Costs/ Learning Curves/ Time etc**
 - Next up: a one stop shop of technologies/ softwares



The Market Place: FS DataBase

Platforms	FAO	WFP
Database	Project Activity Information Database (PAID) (Internal) This database collects real-time data on FAO interventions across 92 countries. It captures the main 5Ws questions.	MODA/ COMET (Internal) A database that shows the final WFP consolidated number of people reached on a quarterly basis.

The Market Place: FS Data Platforms

Platforms	FAO	WFP
Data Platform	<p>DIEM (External) Assessment that shows the impact of shocks on agricultural livelihoods in food crisis contexts. DIEM surveys have been completed in over 30 countries reaching some 150,000 households per year. The DIEM products include dashboards, a maps gallery, StoryMaps, datasets (microdata and aggregated data), briefs and reports.</p>	<p>DataViz (External) Repository of assessments of different types</p> <p>https://hungermap.wfp.org/ Interactive map with real time data on FS and other indicators</p>
	<p>GFSC will organize a webinar on 1 June for IMO and Coordinators to present the DIEM platform, and another webinar will follow on Dataviz.</p>	

Technologies Market Place: APIs

- FEWSNET
- IPC
 - All classifications by assessment, country and year
 - <https://ipcinfo.org>
- Central Emergency Response Fund (CERF)*
 - <https://cerf.un.org>
- Country-Based Pooled Funds*
 - <https://cbpf.data.unocha.org/>
- Financial Tracking Service*
 - <https://fts.unocha.org>
- INFORM Index*
 - <https://drmkc.jrc.ec.europa.eu/inform-index>
- ReliefWeb Crisis Figures*
 - <https://github.com/reliefweb/crisis-app-data/tree/v2/edition/world/countries>



Technologies Market Place: Surveys and Data Collection

Feature	Microsoft Forms	Google Forms	Kobo Toolbox	ODK (Open data kit)
User-friendly / familiar interface	X	X		
Mobile data collection	X	X	X	X
Multiple question types	X		X	X
Conditional logic	X	X	X	X
Advanced Conditional Logic			X	X
Built-in analytics (visualization)	X			
Data export complexity			X	X
Real-time collaboration		X		
Offline data collection			X	
Open-source			X	X

Technologies Market Place: Data Collection/ Repository

Feature	Activity Info	Report Hub
Designed for humanitarian and development work	X	X
Multi-user collaboration	X	
Data export	X	X
Geospatial analysis	X	X
Form-based data collection	X	
Customizable reporting	X	
Dashboard creation (embedded)		X
Integration with other platforms (embedded)	X	X

The Market Place: Interactive Meetings

Tool	MentiMeter	Kahoot	Jamboard	Slido
Brainstorming	X		X	X
Feedback	X	X	X	X
Polls/ Voting	X			X
Quizes				X
Free	Limited to 3 questions		X	Limited to 3 questions
Ease of Use	X		X	X

Any others?

The Market Place: Data Analysis

Tool	R for data analysis	Python for data analysis
Open-source	X	X
Data manipulation and analysis	X	X
Designed for statistics	X	
Steeper learning curve	X	
General-purpose language and popularity		X
Machine learning and AI		X

The Market Place: GIS

Feature	QGIS	ArcGIS Pro	MapBox	MapShaper
Geographic data visualization	X	X	X	X
Data manipulation and Import and export formats	X	X	X	X
Open-source	X			
Web-based platform			X	X
API access			X	
Data simplification and Basic editing				X
ModelBuilder		X		

The Market Place: Visualisation

Tool	Adobe Illustrator	Power Point
Graphic design tools	X	X
Templates	X	X
Vector-based design	X	
Steeper learning curve	X	
Web-based platform		
Free		
Collaboration features		

Any others?

Welcome to the Market Place: Discussion

What Software are you using?

Opportunities?



Challenges?

