

**Subject**

Summary of the little survey conducted during the IAIA 25 session "Data-driven social risk management methods and tools for central and local use". It outlines the various solutions used by participants in social data management.

June 2025

Context

As part of the IAIA, Fabien NATHAN (Social Expert from EDF Hydro-engineering centre - EDF CIH) presented the challenges of social data and database management within the context of large hydropower projects. He briefly identified some database and data management needs, for example, stakeholder databases, PAPs databases, thematic databases, commitments registers, performance indicators, and the like, and pointed out some of the typical problems, such as the difficulty in finding a long-term tool, the multiplication of tools, the loss of data, and institutional memory. He didn't provide any answers to these questions but asked the participants to fill a form describing the solutions they used, tested or recommended, their advantages, pitfalls and any additional advice. The contributions were processed after the workshop. This is the result.

Goal of the document

This document aims to summarize the responses provided.

This document contains several sections, each accompanied by a brief summary of the results.

Contents by tab:

0. READ_ME : description of the document

1. Data collection system

1.1. *Analysis*

2. Social data system

2.2. *Analysis*

3. Link with GIS

3.1. *Analysis*

4. KPI systems

4.1. *Analysis*

5. Advices

Name	Data collection system	Type (S, D, C, M, A, H, O)*	What for (S, L, C, R, G, E, B, K, O)**?	Advantages	Limitations	Any lesson or thought to share?
UN IFAD		D, S, A, H	L, S, C, R, G, E	snapshot of project status		
Consulting Business	Kobo Collect / traditional notes	S, D	S, L, C, G, E, B, K	Easy to use. Quick and easy to transfer data to other systems (D)	Time consuming	It depends on the context and literacy level of the rights holders
Abdula Darimani World Bank		S, D	C	Easy to use.	Difficult to locate an individual	Arrange names alphabetically especially first name first. If working with field locations, always have an offline version of D
UN		S, D, A	S, B, O (screening)	Easy access offline in the field		It is necessary to make a training of the group before use
Dr. Thomez Xavier, Brazil thomezxavier@usp.br	Datascope (app)	D	S, B, K, C	Easy to use. Affordable	Need to be paid, limits in the free version.	
Megan Yellin, IPSOS	IPSOS data collection	S, D, C, H	All			
Megan Yellin@ipsos.com						
n/a n°1	Epicollect	D	S	Free no cost offline use	Data security	n/a
	Q-Field	D	L, R	With GIS capability	Need to buy images/maps	n/a
	Surveya	D, H	S, L, R	Rapid recording	Cost	n/a
				Standardization	Requires training for field team	
Consultant n°1	ESRI Field Maps	D, H	S, L, R	Rapid recording	Cost	n/a
				Standardization	Requires training for field team	
	Kobo Toolbox	D, H	S, L, R	Rapid recording	Cost	n/a
				Standardization	Requires training for field team	
	Hard copy (paper based) survey form	D, H	S, L, R	Rapid recording	Cost	n/a
				Standardization	Requires training for field team	
n/a n°2	WB	H	G	Consolidation	Inability to analyse qualitative	Potential for standardised templates to help manage
	Google Forms			Privacy		
		D	K, E, R	Personalise to fit needs	Connexion needed for uploading	n/a
Noeleen Greyling				Do not need retype data repertoring		
Impact Catalyst (NPC) & Hero Makers (Consulting)	Microsoft Forms	D	K, E, R	Do analysis and graphs	Connexion needed for uploading	n/a
info@hero-makers.co.za				Personalise to fit needs		
	ESRI Survey 123	D, C, S	K, E, R	Do not need retype data repertoring	Connexion needed for uploading	n/a
				Do analysis and graphs		
Environmental Consultancy (EPC)	n/a	S	S, E	Familiar	Too much data to process	Looking for other solutions
				Long time		
environmental Consultancy (EPC)	Google Forms	D	O (SIA)	Cost effective	Can't do every I recoil from it	Works well if you have a small budget
	Survey Mounthly (online survey tools)			Easy to use		
Ilesee Equispectives (SIA Consultant - small consultancy)	Google Forms	D	S	You can be very specific	Getting people to complete forms. Where we are, everyone do not have access to the internet/technology.	Use the right tool
ileseeequispectives.co.za	Excel			Sometimes, we do it manually with paper.		
BrayanFort chip metis Nation, Canada	In house own system - Nation way of life framework	H	E (stakeholder, rightsholder, engagement purposes)	We work in rural and remote areas	How it will translate to our work with government and industry	Took several years to create, validate and inform our subject, matter experts on.
braya.guilly@fortchipmetis.ca				Community created indicator that show linkages for impacts	Rewarding to utilize across projects for consistency	
	Consulting Firm	O, S	C	Easy analysis of socio economic data	More difficult to manage larger amount of data	Bring an AI into the process could reduce time needed for complex analysis
n/a n°3				Longer time taken for complex cross theme analysis		
	Ghana	O, S	R	Easy accessible information in spreadsheet		
World Bank	Don't do data collection	Don't do data collection	Don't do data collection	Don't do data collection	Don't do data collection	Don't do data collection
n/a n°4	n/a	S, D	S, E, L	Easy to use	Data collection using softwares on tablets helps with the data processing and analysis	
				Processing flexibility	Power challenges for tablets	
World Bank Environmental Specialist	Excel	Environment	Environment	n/a	n/a	n/a
	Word					
Ben (social consultant)	SIA impact tool (assessment)	S, H	K, R, C, L (but more specifically social risk or magnitude assessment)	Automatized, good start points for SIAs	Clear methodology but requires context specific consideration	n/a
bcarroll@communityinsights.eu	Fulcorim	M	S, E, G, L	Can use in field without signed, geolocate references, simplistic to build	Time to build, occasioned errors with big data (videos and pictures)	n/a
n/a n°5	n/a	D	S	Speed	Coding may be a challenge	Increase and capacity building required

***Type:**

- Spreadsheet or generic database (S)
- Forms and data collection softwares (D)
- Software to code qualitative data (C)
- Softwares specialized in social management (M)
- Artificial Intelligence (A)
- In-house own system (H)
- Other (O - specify)

****What for:**

- **Social baseline data : (S)**
- **Land acquisition (L)**
- Socio-economy, Assets, compensation (C)
- Resettlement (R)
- **Grievance redress (G)**
- Stakeholder engagement (E)
- Social investment / benefits (B)
- Monitoring/EPI (K)
- **Other (O, specify)**



Summary note - Data collection system part

When asking participants about their data collection systems, the results showed a **predominance of category "D" (data collection software)**, with **20 occurrences**. However, this figure should be interpreted with caution, as **5 entries did not specify the name of the software used**, even though they were classified under category "D".

- **Google Forms** was mentioned **three times**.

- Other tools cited include:

* Kobo Collect

* Datascope

* IPSOS Data Collection

* Epicollect

* Kobo Toolbox

* ESRI Survey 123

* Paper-based forms ("Hard Copy")

In second place is **category "S" (spreadsheets or generic databases)** with **12 mentions**, 6 of which were **unnamed**. Among the tools identified:

* Kobo Collection

* IPSOS Data Collection

* ESRI Survey 123

* SIA Impact Tool

* Tools developed by consulting firms

Finally, **6 participants reported using an in-house system (category "H")**.

LEGEND

S: Spreadsheet or generic database

D: Form and data collection software

C: Qualitative data analysis software

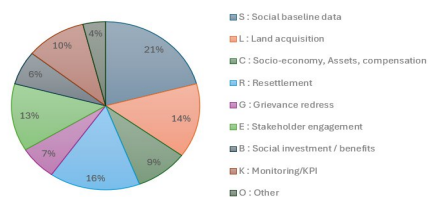
M: Software specialized in social management

A: Artificial intelligence

H: In-house developed solution

O: Other

Usage distribution of Data collection systems



Interpretation : Among the types of solutions used by participants for the data collection systems, **13% are applied to Stakeholder engagement**.

Name	Social data system	Type (S, D, C, M, A, H, O)*	What for (S, L, C, R, G, E, B, K, O)**?	Advantages	Limitations	Any lesson or thought to share?
UN IFAD	Dashboard	D, H				Project-based raster
UN IFAD	GIS	G				
Consulting Business	Kobo storage	S, D	S, L, C, G, E, B, K	Everything in one place (S, D)		We save everything on D and sharepoint.
Consulting Business		S				Data is summarized in report format
UN IFAD		A	S, B			
Dr. Thomez Xavier, Brazil	QGIS or Arcmap/ArcGIS Pro	C, A	S, L, R, K, B	A range of applications	Knowledge in mapping concepts, cartography	
Megan Yellin, IPSOS	IPSOS risk informer / IPSOS data collection and processing tools	C, H, A	All			
Megan.yellin@ipsos.com	MS - Fxell	S	F, G, C	Simple analysis (pivot tables and chart)	n/a	n/a
n/a n°1	Isometrix	M	G, E	User friendly	(Very) high cost	n/a
Consultant n°1	Borealis	M		Offline capability		
	Enablon					
	MS Dynamics (customised inhouse for SE management)	H	G, E	n/a	(High) cost	n/a
n/a n°2	CMS	H	G, O	Consolidation	Required IT support	Potential for standardised templates to help manage
	Privacy				Inability to analyse qualitative	
Noeleen Greyling	MS	S	E, R, C	n/a	Cannot handle very large data imagery	
Impact Catalyst (NPC) & Hero Makers (Consulting)	Excel	S	E, R, C	n/a	Cannot handle very large data imagery	
info@hero-makers.co.za	Microsoft Dynamics	M, S, D	E, K	It is a CRM system	n/a	n/a
Environmental Consultancy (EPC)	n/a	D, H	E	Intuitive	n/a	n/a
Small Consultancy	Excel	S	O (SIA)	Cost effective	Limited functionality	n/a
Ilaee Equipsectives (SIA Consultant - small consultancy)						
ilaeeequipsectives.co.za	Excel	S	O (SIA + Human Rights)	Cost effective	Limited functionality	Keep things simple and basic, let your project guide you
	Stata	C	S, C	Designed for economists	You have to pay for the license	
World Bank	Python/R	A	S, C	Open source code	n/a	n/a
				ML, Python available		
n/a n°4	n/a	S, D	S, L, E	Easy to use	Time consuming	n/a
n/a n°5	n/a	H	S, E	Flexibility	n/a	n/a
		S	S	Convenient	Coding may be a challenge	Increased capacity building required
				Speed		

***Type:**

- Spreadsheet or generic database (S)
- Forms and data collection softwares (D)
- Software to code qualitative data (C)
- Softwares specialized in social management (M)
- Artificial Intelligence (A)
- In-house own system (H)
- Other (O - specify)

****What for:**

- Social baseline data : (S)
- Land acquisition (L)
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- Stakeholder engagement (E)
- Social investment / benefits (B)
- Monitoring/KPI (K)
- Other (O, specify)



Summary note - Social data system part

When participants were asked about the data collection systems they use, the results revealed a strong **prevalence of category "S"** (spreadsheet or generic database), with **9 mentions**. Among the software or solutions mentioned, Excel was cited 3 times and MS. Kobo Storage, used by one of the participants.

In **second position is category "H"** (In-house own system), indicating that customized databases are frequently used to facilitate the collection of social data. In total, **6 participants** reported using such in-house systems.

Finally, with 5 occurrences each, we find categories "D" (Forms and data collection software) and "C" (Software to code qualitative data). Among the identified solutions, the following were mentioned:

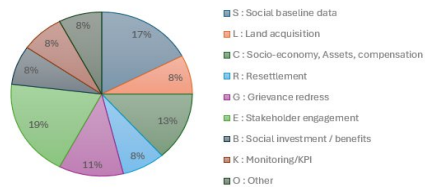
- * Kobo Storage
- * Microsoft Dynamics
- * QGIS
- * ArcGIS Pro
- * Arcmp
- * Stata
- * IPSOS Risk Informer

However, among the 33 responses in this category, **7 entries were not usable**, as the participants did not provide enough information about the software used.

LEGEND

S: Spreadsheet or generic database
D: Form and data collection software
C: Qualitative data analysis software
M: Software specialized in social management
A: Artificial intelligence
H: In-house developed solution
O: Other

Usage distribution of Social data system



Interpretation : Among the types of solutions used by participants for the Social data system, **8% are applied to resettlement**

Name	Link GIS / other social data	Type (S, D, C, M, A, H, O)*	What for (S, L, C, R, G, E, B, K, O)**?	Advantages	Limitations	Any lesson or thought to share?
UN IFAD Consulting Business	Geomap, Geonode	D, H				
Dr. Thomez Xavier, Brazil	Datascope (App)	D	S, B, R, C	It is possible to acquire georeferencing data	Necessity of telecommunication network	Try to program one version to be used offline.
Megan Yellin, IPSOS	n/a	S, C, H, D	All			
Megan.yellin@ipsos.com						
n/a n°1	Advanza PDF	D	L, R	To identify or ground - truth affected assets directly from georeferenced designs		
Consultant n°1	ESRI, ArcGIS	S, C, H, D	S, L, C	n/a	Not always user friendly	n/a
n/a n°2	n/a	n/a	n/a	n/a	Requires high speed internet	n/a
Noeleen Greyling Impact Catalyst (NPC) & Hero Makers (Consulting)	QQGIS	n/a	n/a	n/a	n/a	n/a
info@hero-makers.co.za	ESRI Survey 123					
Environmental Consultancy (EPC)	UN database	n/a	S	Comprehensive	n/a	n/a
n/a n°4	World Bank database	n/a	S, E, L	Easy to use	n/a	n/a
World Bank Environmental Specialist	GPS	n/a	n/a	n/a	n/a	n/a
Ben (social consultant)	ArcGis Storybook	Environment	n/a	n/a	n/a	n/a
bcarroll@communityinsights.eu	Fulcrum	D	S, C, L, O (especially asset data in map : KMZ, GIS format)	Can use without signed in field, can do point, polygon and measures	Not always accurate	n/a
n/a n°5	FieldArea Measure	D	S, C	n/a	Depends on GPS strength	n/a

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- Monitoring/KPI (K)
- Other (O, specify)



Summary note - Link GIS part

By questioning participants about data collection systems linked to GIS, the results showed a strong prevalence of category "D" (Forms and data collection software), with **10 occurrences**. Among the tools used, the following solutions were mentioned:

- * Geomap
- * Geonode
- * ArcGIS
- * ESRI
- * FieldArea Measures

Among these 10 entries, **4 responses were not usable**.

The "Spreadsheet or generic database" and "Software to code qualitative data" categories were also mentioned by participants, **ArcGIS** and **ESRI** being the main ones.

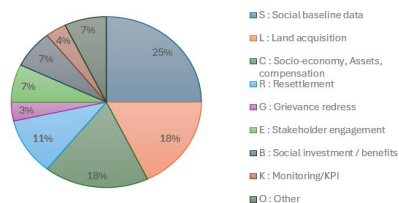
Finally, **3 participants** reported using their own **in-house system** linked to GIS. This potentially refers to internal data management systems integrated with GIS. However, **no further details** were provided about these systems.

Among the 19 responses in this category, **12 were not usable**, as the participants didn't provide additional information about the name of the software used.

LEGEND

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D: Form and data collection software
C: Qualitative data analysis software
M: Software specialized in social management
A: Artificial intelligence
H: In-house developed solution
O: Other

Usage distribution of GIS data



Interpretation : Among the types of GIS-related solutions used by participants, **18% are applied to land acquisition**.

Name	Social Commitments/ Monitoring / KPI system	Type (S, D, C, M, A, H, O)*	What for (S, L, C, R, G, E, B, K, O)**?	Advantages	Limitations	Any lesson or thought to share?
UN IFAD Consulting Business Megan Yellin, IPSOS. Megan.yellin@ipsos.com n/a n°1	Dashboard Mov	S, H, D S, H	L, S, C, R, G, E	AI for understanding and anticipating n/a	n/a	n/a
Consultant n°1 n/a n°2 Noeleen Greyling Impact Catalyst (NPC) & Hero Makers (Consulting) info@hero-makers.co.za Ilese Equippectives (SIA Consultant - small consultancy) ileseequippectives.co.za n/a n°4	Excel n/a Mandela Mining Precinct SATCAP Project and Freeware Excel (we are very basic) n/a	A n/a S n/a S S, D	n/a L, R, C, B, K n/a n/a G, E LL, E, S	Easy to use Cheap n/a We work with contractors, so we need a simple system that they can implement and understand. Easy to use Flexible n/a	Not suitable for large and long term data sets n/a n/a We work with contractors, so we need a simple system that they can implement and understand. Time consuming n/a	n/a www.mandelaminingsprecinct.org.za Successful Application of Technologies centred around people (SATCAP) We work with contractors, so we need a simple system that they can implement and understand. n/a
World Bank Environmental Specialist. Ben (social consultant) bcarroll@communityinsights.eu n/a n°5	World Bank ESMS Spreadsheet (generic) for social risks n/a	Environmental S S	n/a S, C L	n/a Easy to use, good start point n/a	n/a Simplistic, not build hand for analysis comparison n/a	n/a

***Type:**

- Spreadsheet or generic database (S)
- Forms and data collection softwares (D)
- Software to code qualitative data (C)
- Softwares specialized in social management (M)
- Artificial intelligence (A)
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- Other (O - specify)

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- Stakeholder engagement (E)
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- Monitoring/KPI (K)
- Other (O, specify)



Summary note - KPI systems part

The participants surveyed indicated that they mainly use a **spreadsheet or generic database** to manage **social commitments, monitoring, and KPIs**. For this purpose, they primarily use **Excel**, but also some **dashboard systems**.

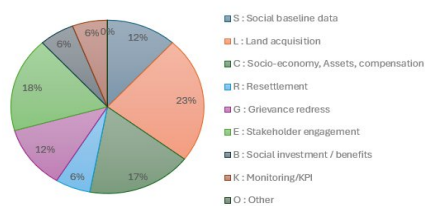
It was also found that **none of the participants** use **software to code qualitative data** or **software specialized in social management** for this type of information.

Among the **12 responses** in this category, **6 are not usable**, as the participants did not provide further information about the name of the software used.

LEGEND

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C: Qualitative data analysis software
M: Software specialized in social management
A: Artificial intelligence
H: In-house developed solution
O: Other

Usage distribution of KPI systems



Interpretation : Among the types of solutions used by participants for social commitments, monitoring, and KPI systems, **17% are applied to socio-economy, assets and compensation**.

Name	Advice
Noeleen Gireyling Impact Catalyst (NPC) & Hero Makers (Consulting) info@hero-makers.co.za Ilsee Equispectives (SIA Consultant - small consultancy) ilseeequispectives.co.za	The more userfriendly the better, otherwise it is not used Need to consider data protection and confidentiality Make sure that your tools are legally compliant in a changing world