

# Challenges of social data and database management in infrastructure projects



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# Some thoughts about social data management from my hydropower experience

## 1. Context

- Increasing importance of social aspects
  - More stringent standards
  - Growing population and activity involving severe social impacts
- ⇒ Exhaustion
- ⇒ Complexity, conflictuality
- ⇒ More studies
- ⇒ More social data of different kinds and formats

How to properly manage it into a single system ?



## 2. Some typical issues

- **Finding info is difficult**

⇒ Need databases / searchable system

- **Different formats for same information.**

⇒ Need “raw” input data

⇒ Need single system

- **Different info on same stakeholders**

⇒ Information may be unrelated

⇒ Need single system with all data connected

- **Initial teams small, but data already big**

⇒ Need proper system early.



## 2. Some typical issues - continued

- **Big projects, big delays**

⇒ Conservation of data through time

⇒ Managing social change, baseline outdated

⇒ Need replicability of data / baseline

- **Example of livelihood restoration documentation**

⇒ Need simple success indicators, stored into database

- **Same system for decades?**

- **Data ownership, protection**

- **GIS <-> other data.**



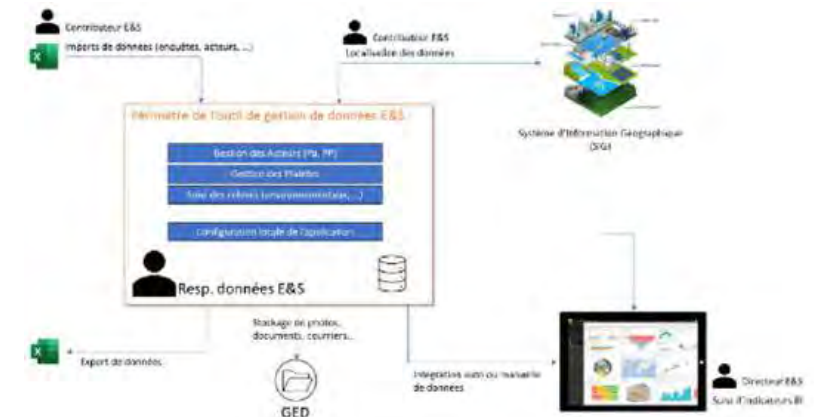


### 3. Solutions?

- Finding THE tool...
  - simple spreadsheets?
  - Softwares for qualitative data?
  - Social data management softwares?
  - Forms / data collection softwares?
  - AI?
  - In-house?
  - Other?



David R.	Atlanta	Sweden	150,000
Chen H.	Shanghai	China	120,000
John D.	London	UK	100,000
...	...	...	...



## Your own experience: what system(s) do you use?

Your name / Company / email (optional)	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?
Data collection system [Name ]					
Social data storage/database/ processing system [Name] – 1					
Social data storage/database / processing system [Name] - 2					
Link GIS / other social data [Name ]					
Social Committments/ Monitoring / KPI system [Name ]					
Any additional advice for social data/ database management?	<b>**What for:</b> <ul style="list-style-type: none"> <li>- <u>S</u>ocial baseline data : (S)</li> <li>- <u>L</u>and acquisition (L)</li> <li>- Socio-economy, Assets, <u>c</u>ompensation (C)</li> <li>- Resettlement (R)</li> <li>- <u>G</u>rievance redress (G)</li> <li>- Stakeholder <u>e</u>ngagement (E)</li> <li>- Social investment / <u>b</u>enefits (B)</li> <li>- Monitoring/<u>K</u>PI (K)</li> <li>- <u>O</u>ther (O, specify)</li> </ul>				

**\*Type:**

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



# Let's continue the conversation!

Message me your questions or comments in the IAIA25 app.

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