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
- \Rightarrow Complexity, conflictuality
- \Rightarrow More studies
- ⇒ More social data of different kinds and formats











2. Some typical issues

- Finding info is difficult
- ⇒ Need databases / searchable system
- Different formats for same information.
- ⇒ Need "raw" input data
- \Rightarrow Need single system
- Different info on same stakeholders
- \Rightarrow Information may be unrelated
- ⇒ Need single system with all data connected
- Initial teams small, but data already big
- => Need proper system early.









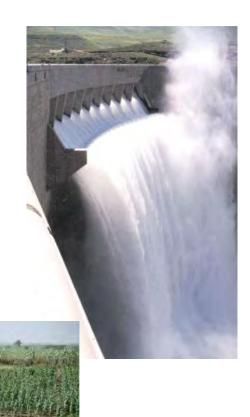


2. Some typical issues - continued

- 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- ⇒ Managing social change, baseline outdated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.







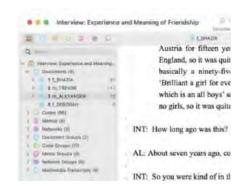
3. Solutions?

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

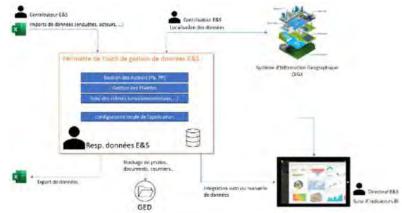




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Your own experience: what system(s) do you use?

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Your name / Company / email (optional)	Type (S, D, C, M, A, H, 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?	**What for:						
*Type: - <u>S</u> preadsheet or generic database (S) - Forms and <u>d</u> ata collection softwares (D) - Software to <u>c</u> ode qualitative data (C) - Softwares specialized in social <u>m</u> anagement (M) - Artificial intelligence (A) - In-house own system (H) - Other (O - specify)		- <u>L</u> and acc - Socio-ec - Resettle - <u>G</u> rievand - Stakeho - Social in - Monitor	 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/KPI (K) Other (O, specify) 				
		- <u>O</u> ther (C	o, specify)				



Let's continue the conversation!

Message me your questions or comments in the IAIA25 app.

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