How do we deal with Disaster Relief over the course of the next 10 years?

Issues/Challenges

Alignment of technology standards/approaches

Probabilistic Record linkages

SDGs - three-tier structure (only top level tier data is submitted/shared)

Subnational level

* Urban / Non-urban
  + Need neighborhood data
* Issue of “local” data
  + How do I get?
  + Mandate is only for top-level

Data availability

1. What data exists?
2. How do I get it?
3. How do I use it? (standards alignment & models)
4. What are the problems in implementing a solution?
5. How do you understand the data?

Examples of infrastructures that worked (InDepth, AlphaNet)

PopMedNet

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International (UN Statistical Unit) ---

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|

| SDGs SDDS (etc)

Regional |

|

|

National ------------------------------------

Subnational

Local

Some data exists that doesn’t have the granularity that is needed?

Is there technology available (algorithms) to create what you need?

---- May not exist for this domain but could it be specified?

-----Domain model would communicate what data is available and where it is

Paucity of data

No access to existing data

5 October 2018

Question: Where’s the data?

Jay’s suggestion to use a model description to describe the repositories, resources needed risk management

Can’t just talk about structured data - also need to address the possibility of unstructured data continuing to be collected

Recommendation: do a better job of creating, accessing, storing structured data

However, there are tools that allow you to use algorithms to use the available data even if the quality is not the highest

Additionally, new ways to access data that haven’t been used before (research data, various algorithms)

Three actionable items:

1. Issues and challenges
2. Recommendations
3. Where does the resources piece fit? - open question
4. Introduction
5. Background
6. Sendai
7. Data Science

III. Theory of Change Section

1. Introduce model of resources in this section

Structured vs unstructured

Quality data vs “good enough”

IV. Examples - tie these back to previous section

V. Issues and Challenges

1. How to solve the local data problem
2. Infrastructure

VI. Discussion

VII. Recommendations

1. Structural - traditional (like AlphaNet)
2. Unstructured - new

Annex:

Model formalization

