

REAR: RESEARCH FOR EMERGENCY AFTERSHOCK RESPONSE

WHAT IT IS

- University of Edinburgh, Leeds Beckett, Ulster, Plymouth, Concern Worldwide, British Geological Survey; NERC-ESRC-AHRC funded
- Correct community response to aftershocks can be delayed or inhibited by social, cultural and political factors.
- Effective, large-scale user engagement requires work on developing public awareness at scale, designing effective co-learning across multiple stakeholder groups, and building a deep understanding of the social and gender issues which might limit, or enable, user engagement.



WHAT IT MIGHT BE

- More cultural and gender sensitive vision of technology use in diverse contexts
- Methods for rapid and meaningful engagement through technology
- Methods for building community resilience





WHAT ABOUT TECHNOLOGY

Accessible technology used in
meaningful and appropriate
ways



GROUP#1 DISASTER RESPONSE PRACTITIONERS

- Earthquake Data: USGS
- Technological: mobile ownership, ICT availability (broken down by gender), data availability and access: UNData and GSMA. Mobile Connectivity Index. Consumer Barometer Index.
- Economic: GDP, data costs, living costs, transportation costs: World Bank Data.
- PPP: Private public partnerships: GSMA. Mobile telecoms should be scouted ahead of time to have clear understanding on how they work with emergency response and/or educational programmes.
- Regional Government Data: Global Open Data Index; Open Data Nepal

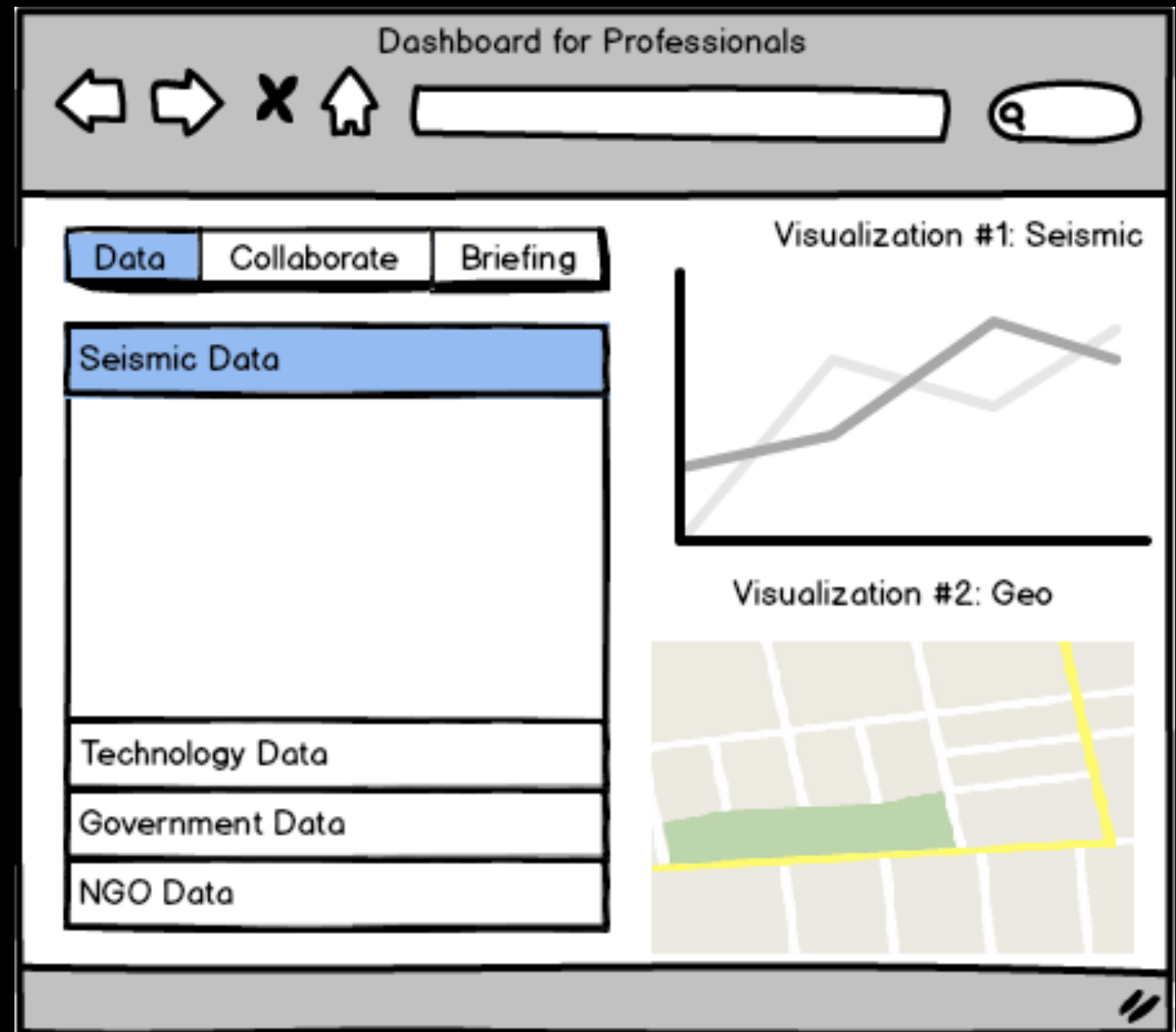
Manually contributed data: with each call for collaboration in Part 2, we ask participants to fill out a form with current information from their locale which is then added to this dashboard

GROUP #2: EDUCATIONAL AND OTHER NGOS AND COMMUNITIES

- Literacy, educational attainment: UIS Statistics.
- Technological: mobile ownership, ICT availability (broken down by gender), data availability and access: UNData and GSMA. Mobile Connectivity Index. Consumer Barometer Index.
- Economic: GDP, data costs, living costs, transportation costs: World Bank Data. Objective: to determine costs accrued by individuals to send and receive information and/or to participate in educational initiatives
- Adolescents and Youth Dashboard
- Media: BBC Media Action Data Portal
- CDAC Network Media & Telecoms Landscape Guide

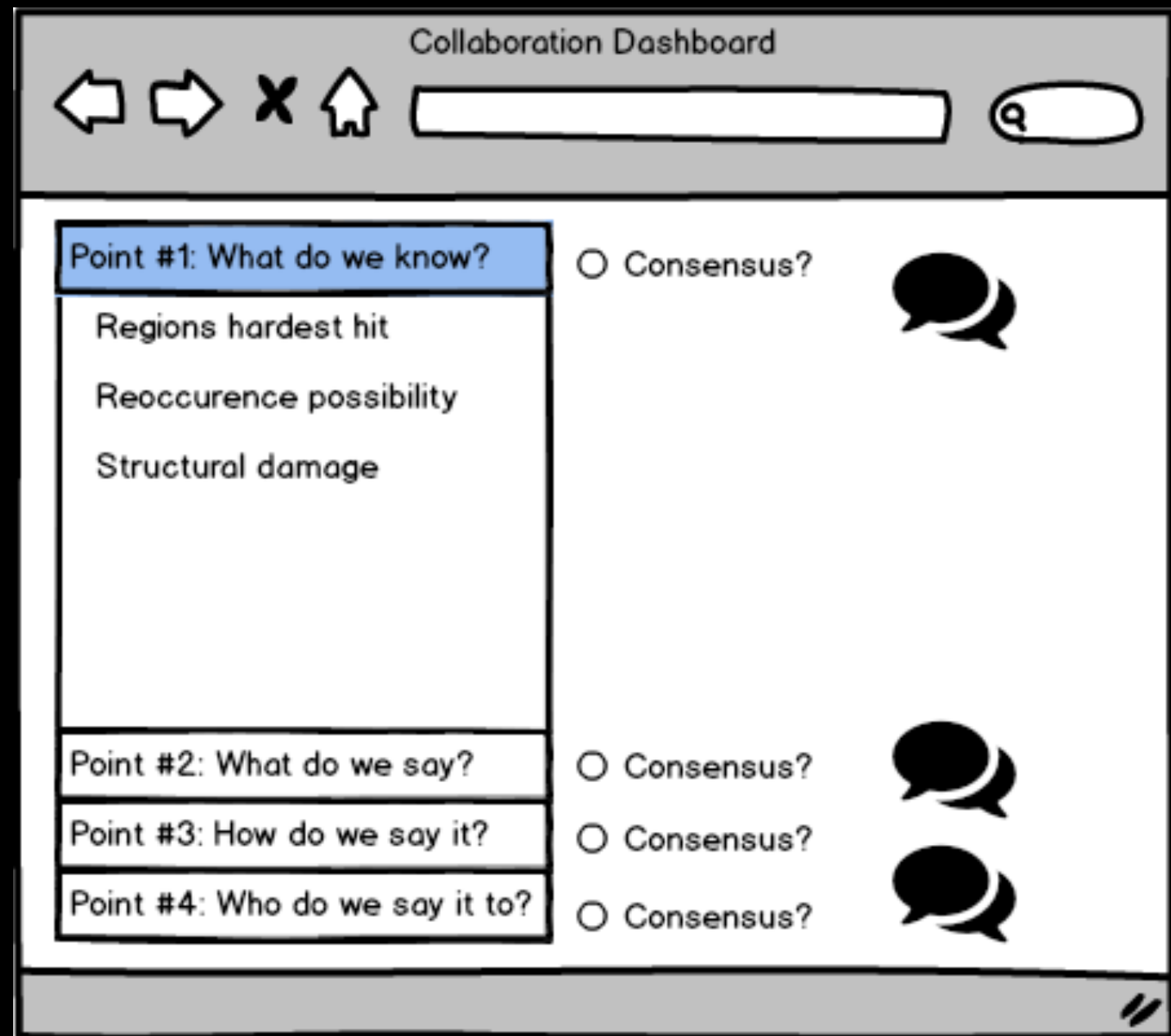
#1: COLLECTING OPEN DATA

Dashboard: rapidly deployed, web-based interface where open datastreams are assembled for different audiences. Provide baseline of information from which DRR professionals could then collaborate towards a dynamic briefing.



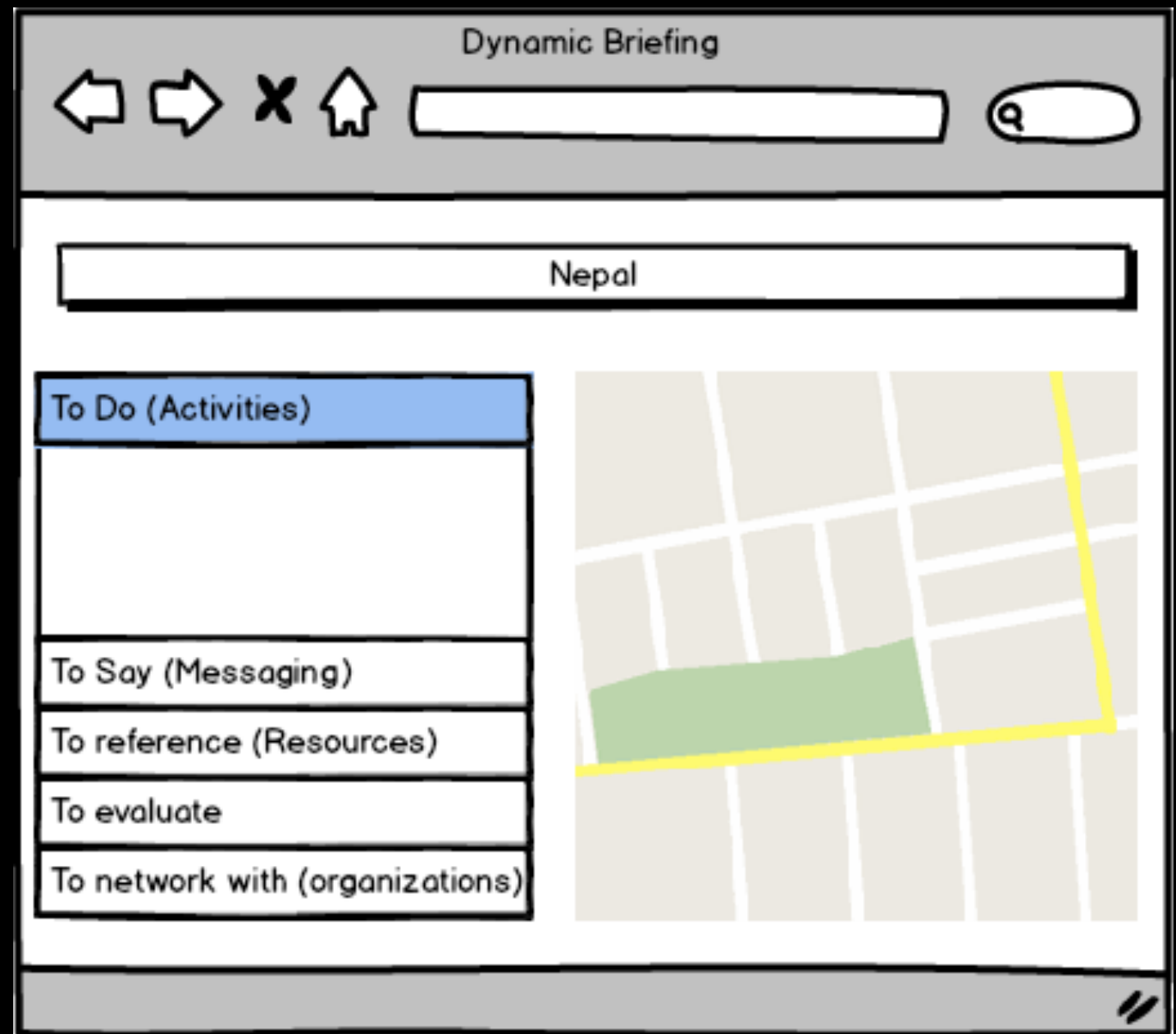
#2: COLLABORATION

Ownership of data points, discussion, version control, voting, identity control. Discussion time dependent so timers and progress bars will be prevalent throughout. Mobile-friendly as wifi/desktop based connectivity will be affected by any disaster.



#3: DYNAMIC BRIEFING

Dynamic briefing will emerge from these previous two steps. A briefing gleaned from expertise which can then be disseminated to stakeholders or included in toolkits in event of an emergency.



#4: COMMUNITY ENGAGEMENT

