

How to reduce bureaucracy

Greta Crescimbeni (Italy)

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SUMMARY

SUMMARY I live in the Middle East of Italy, surrounded by hills, below us the tectonic faults enjoy moving every now and then. The last seismic swarm started on August 2016 and affected about 8000 km² of territory. Since then I have been working on post-earthquake reconstruction buildings. This means to: -Catalogue damage type; -Project restoration/reconstruction -Survey, account and end the works My aim is to use this unfortunately events to catalog as much data as possible, so next time we will be quicker to attend in emergency case and plan works.

1. Introduction I think to schedule all documentation in the right way means saves months of work. After the earthquake my first worksite starts 18 months later... some question arise to me: -How we spent those 18 months? -Can we do something to speed it up? -Is bureaucracy the only problem?

2. SUBTITLE

1.1 Catalogue damaged building After a significant earthquake, once people are safe, firefighters and surveyors volunteers start to check buildings to understand how badly are, if it's safe live there or not. It must fill-in this form with some data like: address, kind of structure, age of building, if someone lives there or not, how many cracks or collapse, and at the end of this "test" you can understand the damage gravity. It still is a paper form, after it is complete you bring it to the belonging council, catalogue it, create a mayoral ordinance to deliver to the building owners. Inside the council people working on put data into an online maps but this isn't public.

1.2 Planning In case of a natural disaster the Italian government settle some money, the amount is based on the damage level and it is per m². The professionals who is in charge make the project, make survey, drawings, choose the processes and make estimations.

1.3 Problems encountered During the early stages the main problem is the time we spent on it, bureaucracy is long, inspection must be very precise but also quick because people is waiting to understand if their buildings is safe or not.

1.4 Solutions As a professional surveyor I need to know as much data I can to make a quick a precise work plan, sometimes it takes months to request old documents from a Municipality, if we can have a system like ArcGIS

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everything will be faster. Online maps with all kind of data: damage's history, structure type, documents and so on... □ □ 1.5 Conclusion □ Italy has a very ancient history, climate change will improve the natural disasters already present. If we start to register all the information of our buildings this could means we can plan how we need to intensify the restorations. □ It could be a smart example to use technologies, like laser scanner to survey every work's stages, and software like ArcGIS to register data. □ This will means also to plan works, where to intervene first and what to leave in the background. □

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