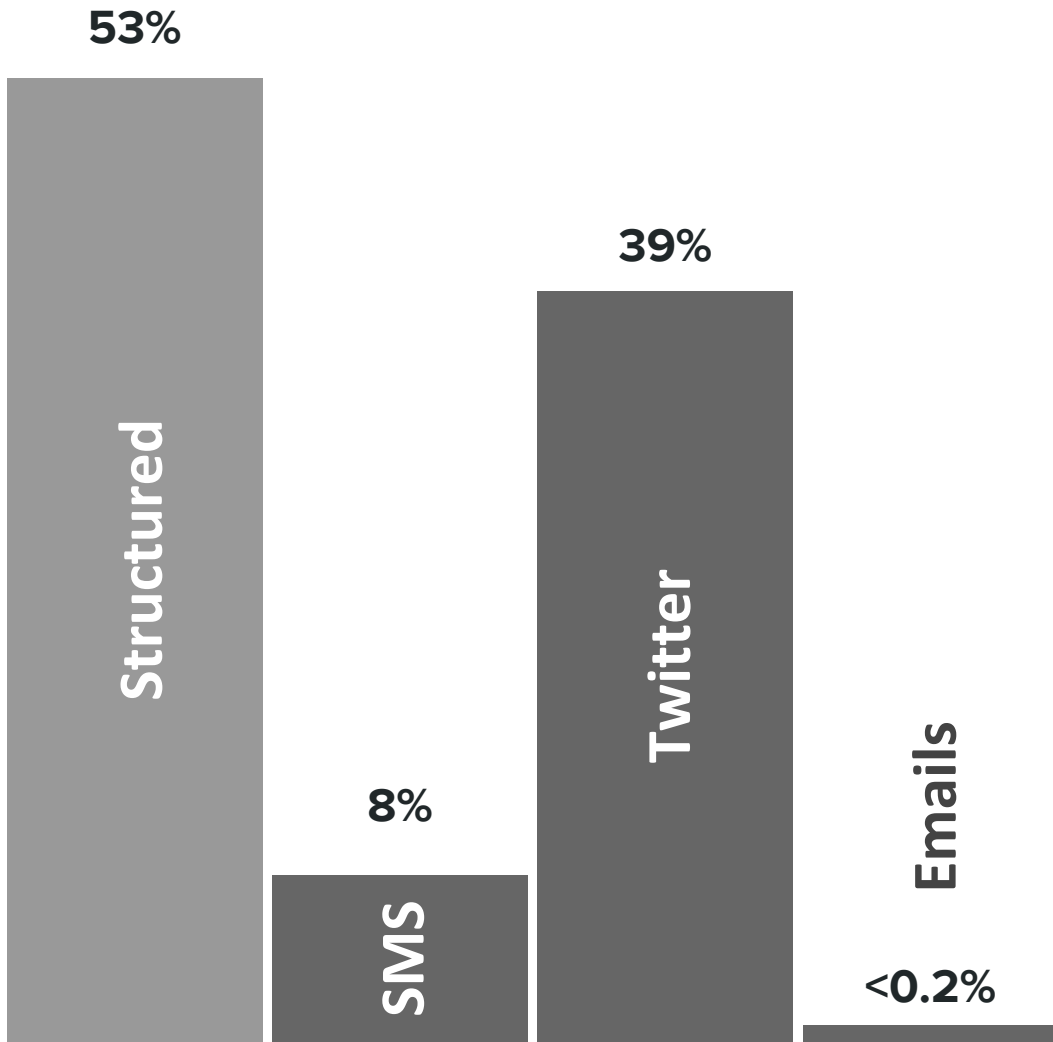# Fuzzy Data

Analysing unstructured data for Ushahidi

Our mission is to make the u*n*s*t*r*u*c*t*U*r*e*d structured

The problem

47% of incoming information is **unstructured**, coming from SMS, Twitter and Email

Chart: Percentage of unstructured data in the global south for Ushahidi deployments

53%

39%

8%

<0.2%

Structured

Twitter

SMS

Emails

The solution

Automatic analysation
and structuring

Organising and showing
processed data allows
users to respond faster and
in a more problem-focused
way

How it works

Users contribute data	Data analysation	Present data to users

Receive

Users submit data via unstructured sources, missing out on crucial information such as location and post type.

Process

With advanced analysation algorithms, posts can be organised into categories and basic location information identified based on the source of the post.
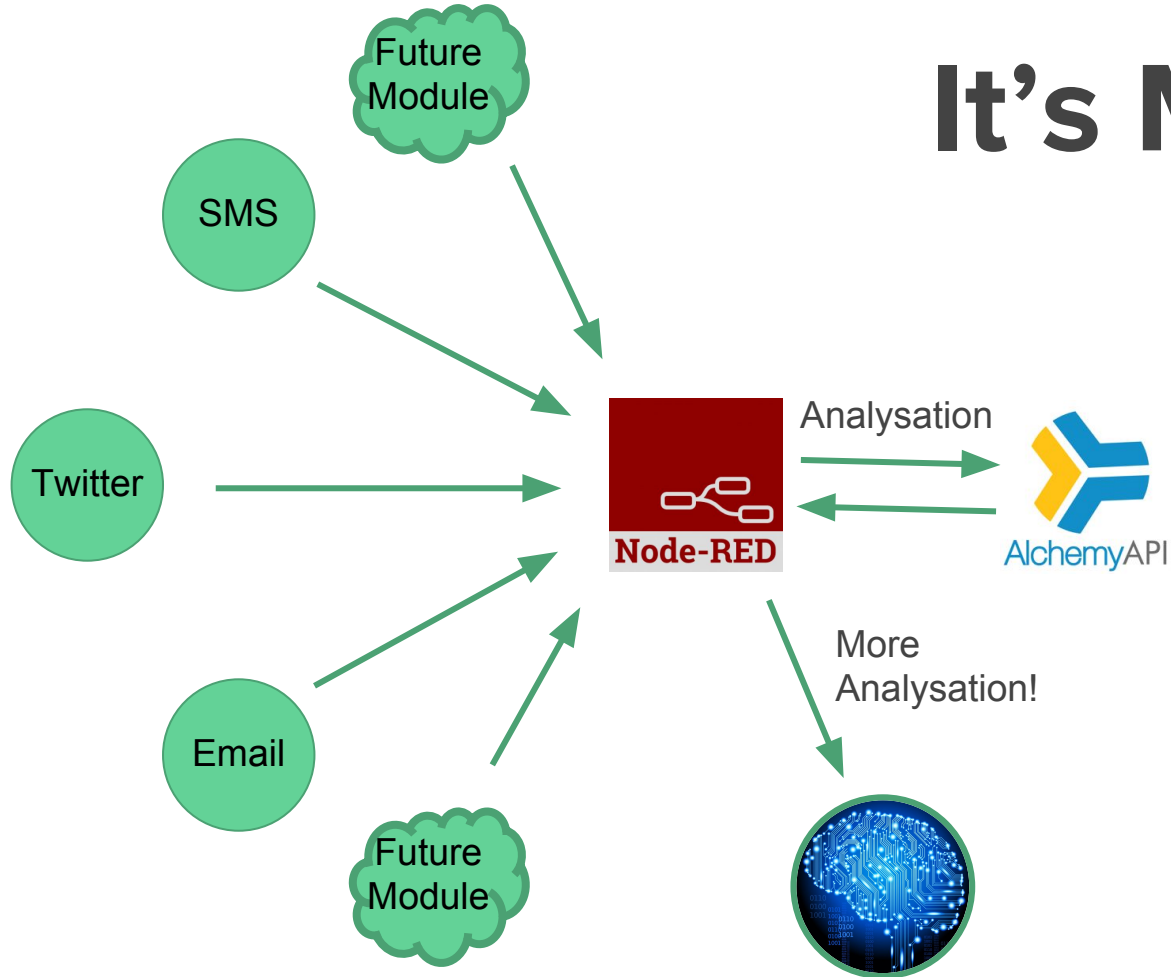
Show!

Place identified posts on the map and stats into graphs for users to quickly identify hot spots and the cause of the hot spot throughout the map.

The Technology | Node-RED AlchemyAPI

Why now?

New post options resulting in **unstructured data**

Ushahidi

v1	v2	v3
website	website	website
-	email	email
-	FrontlineSMS	FrontlineSMS
-	Nexmo	Nexmo
-	SMSSync	SMSSync
-	Twitter	Twitter
-	-	Twilio

Future development

Graphs
Ushahidi-integrated graphs of current needs and available resources in areas

Current crisis
Catch recurring words and posts per time to identify crises

IP Location
Use the IP of users to pinpoint post locations

Feedback
Ask contributors for further information
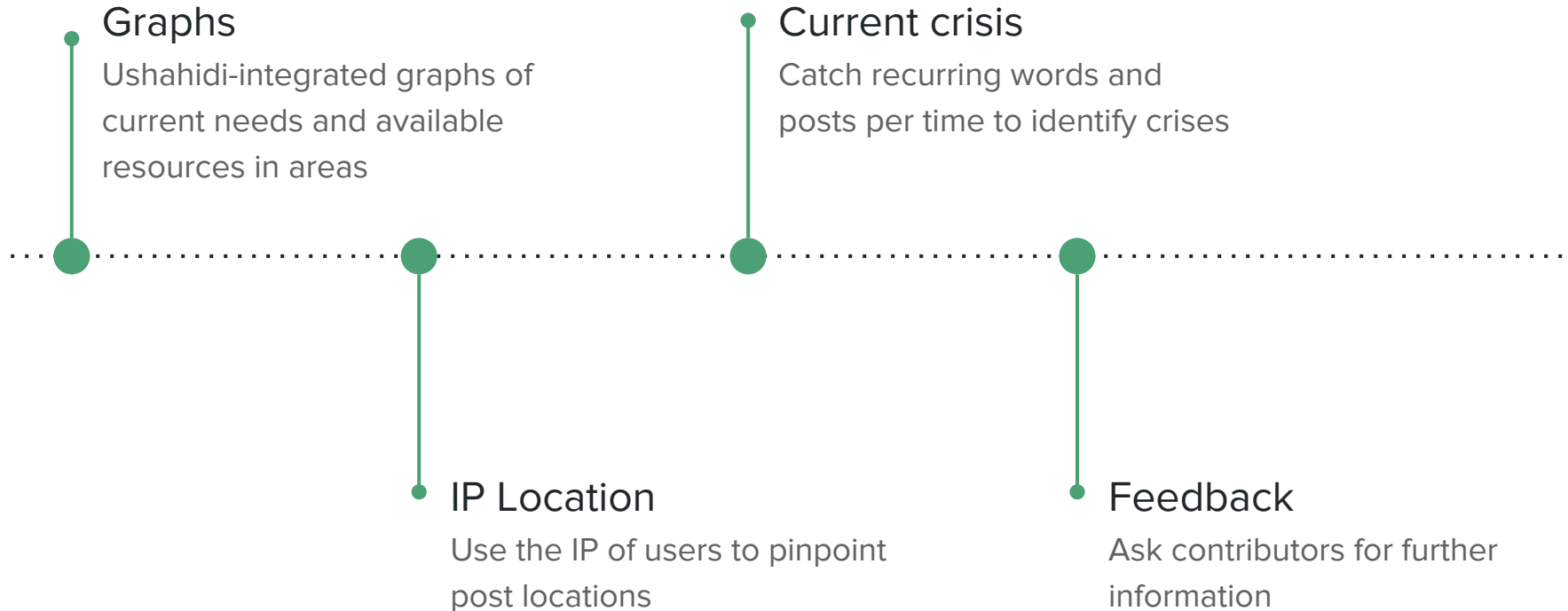
This is our team

Daniel
Back-end dev

Christian
Front-end dev

Daniel
Back-end dev

George
Front-end dev

Björn
Back-end dev

Sources

https://crlgrn.files.wordpress.com/2009/12/ushahidi-image.gif

https://avatars3.githubusercontent.com/u/5375661?v=3&s=400