



Pier 22 Blast Busters



Objective Real-Time Monitoring of Explosions



Re-Imagining
Data
as Objective Witness



Re-Inventing
Ears and Hearts
as a Network

Re-Designing
Decision-Making





What?

Where?

When?

Who?

Subjectivity versus Objectivity

Eye-witness accounts
and Official Statements

vs.

Real-Time Monitoring
Based on Multi-Technology
Sensing

Data that bears Witness

Hard Data/Physical Monitoring

Delivery acoustic signature
Explosion acoustic signature
Exit acoustic signature

Soft Data/Emo-mapping

Tweets by geolocation
News feeds



Cluster bombs

Nearly 100 countries are signing a treaty to ban cluster bombs, while the leading producers of the bombs, including the U.S., Russia, China and Israel, remain outside the pact.

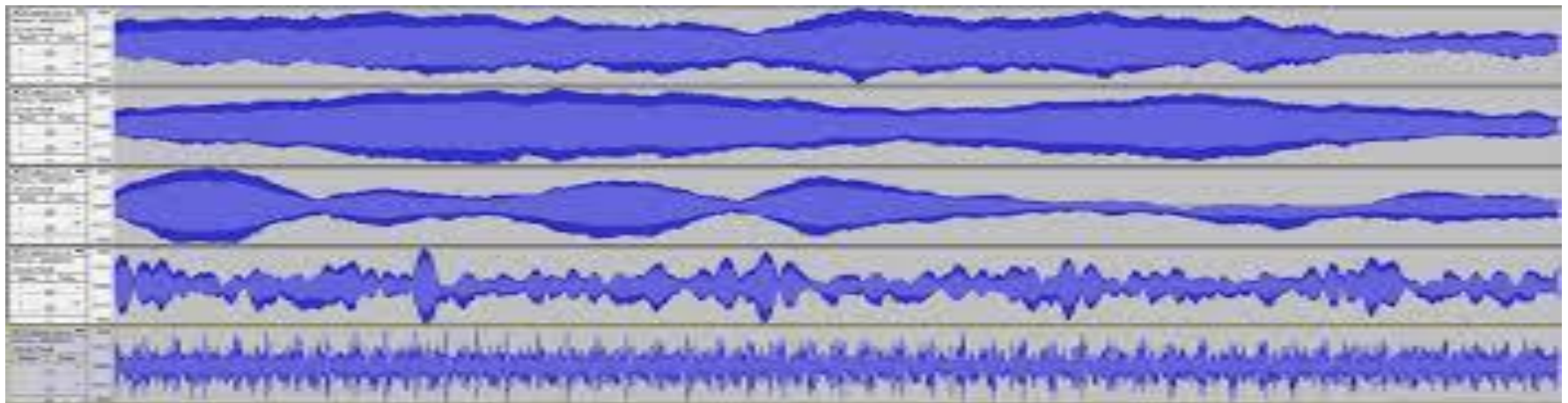
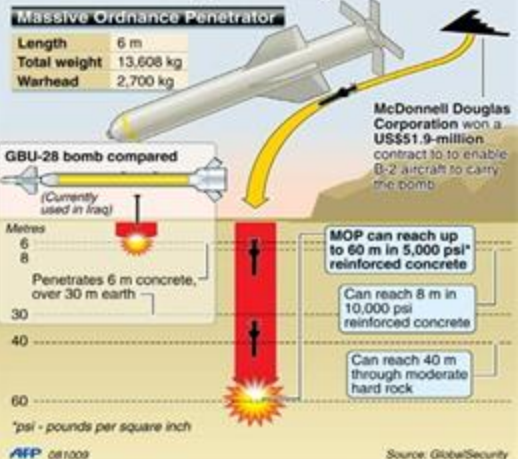
How cluster bombs work



© 2008 MCT
Source: Federation of American Scientists, Human Rights Watch, Cluster Munition Coalition
Graphic: Chicago Tribune

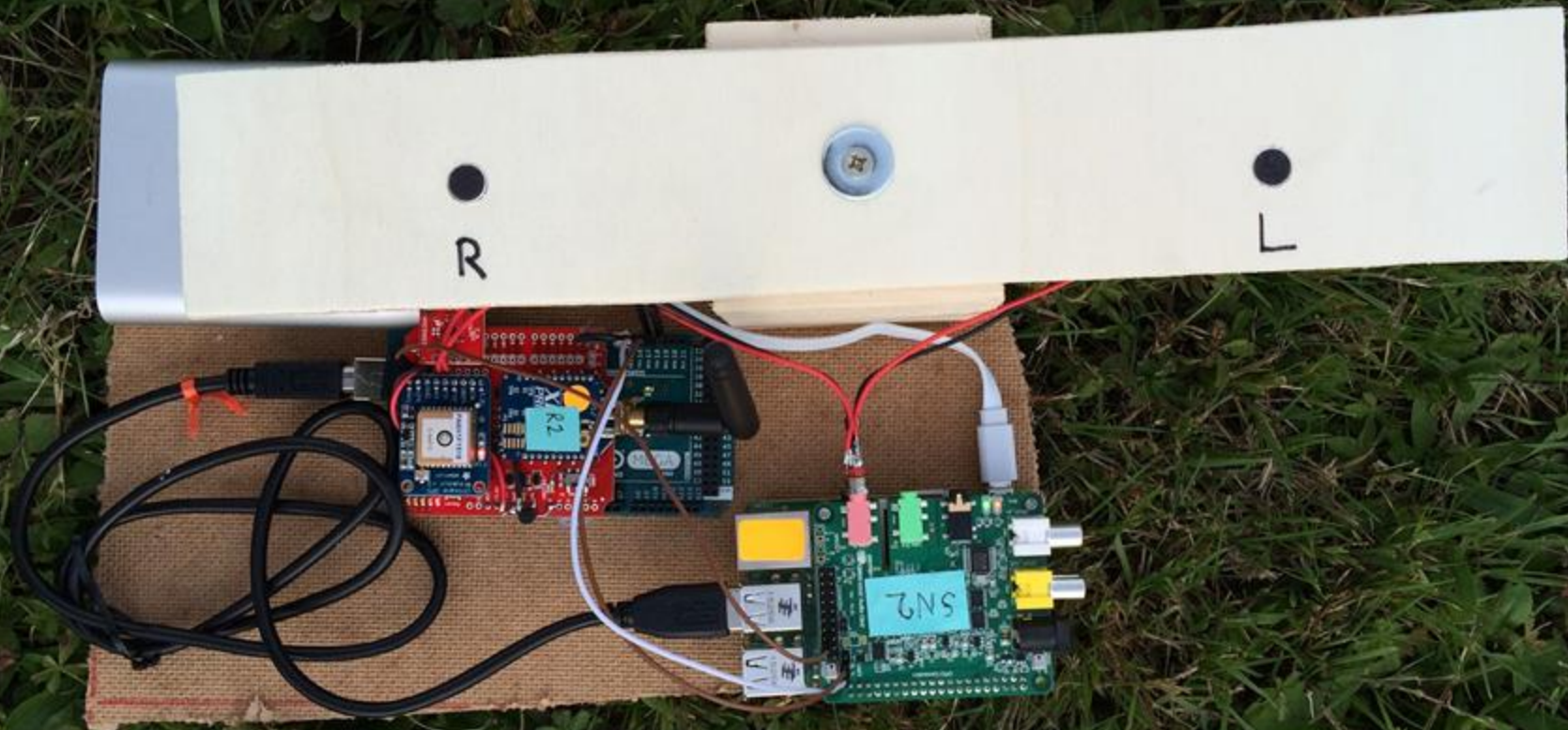
Massive bunker-busting bomb

GPS-guided penetrating weapon for hard and deeply buried targets



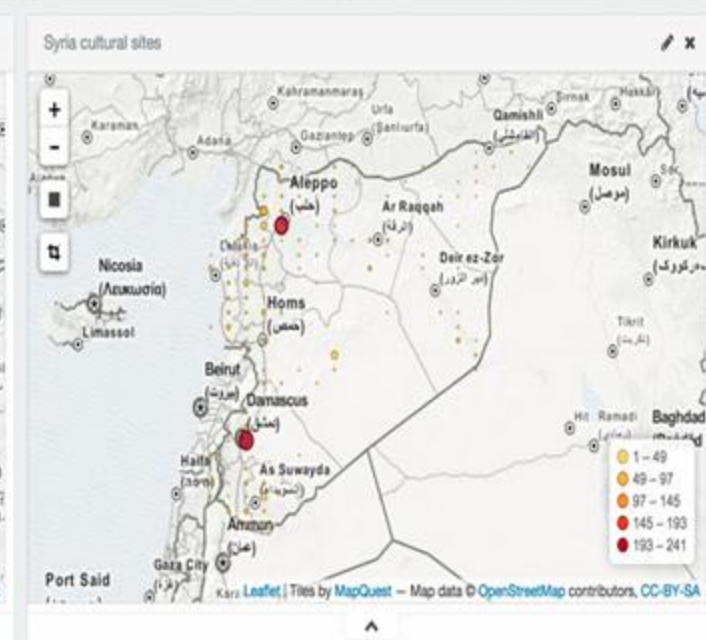
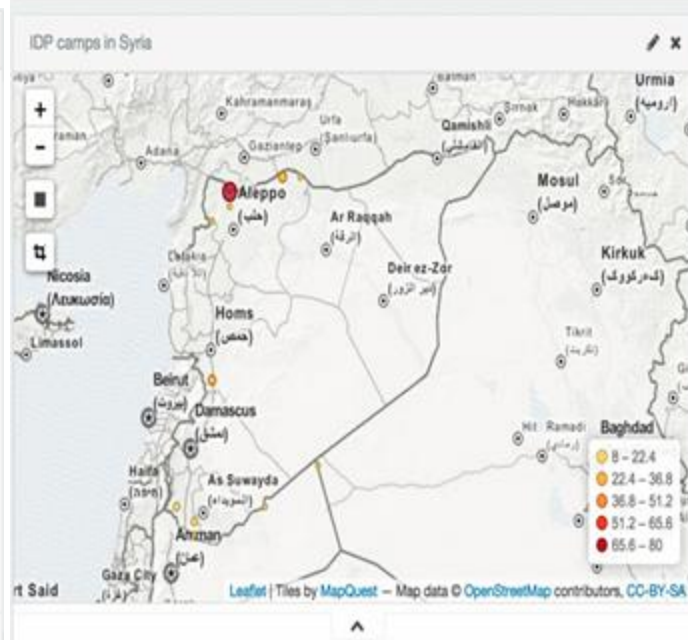
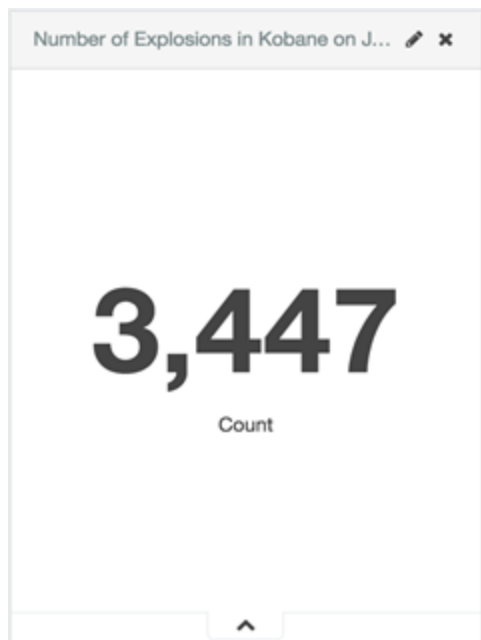
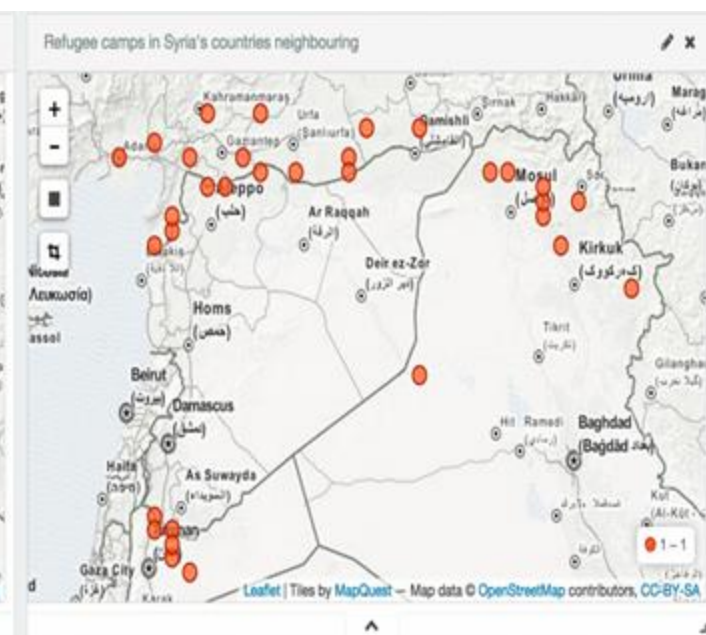
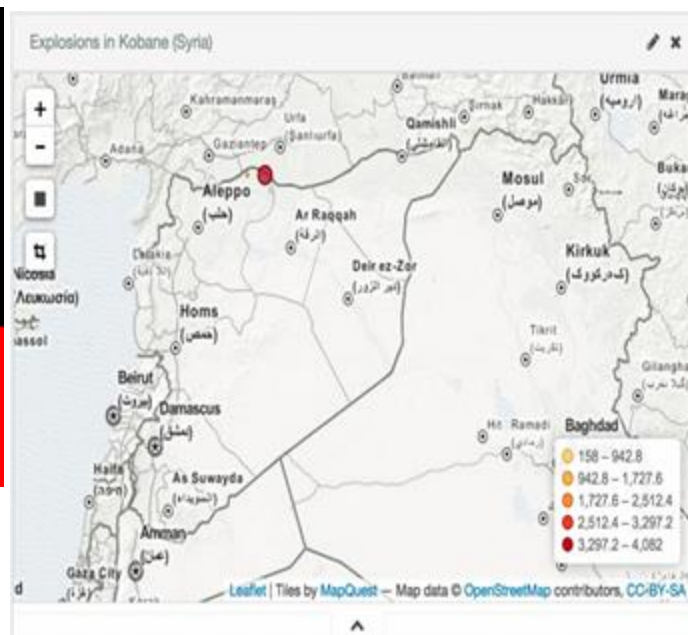
**The Tech
that empowers
Justice to
Hear, Listen,
Remember, Act**

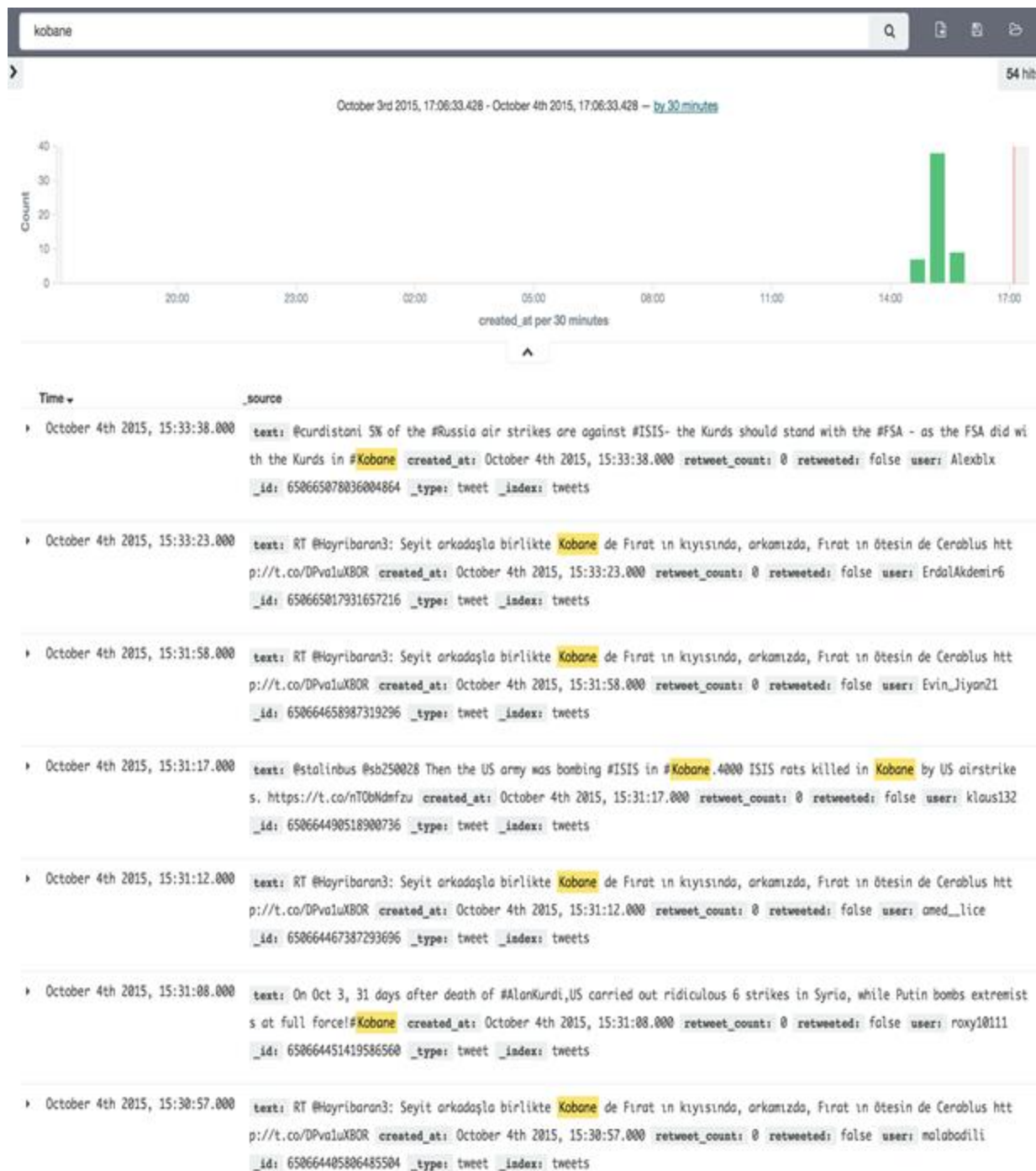
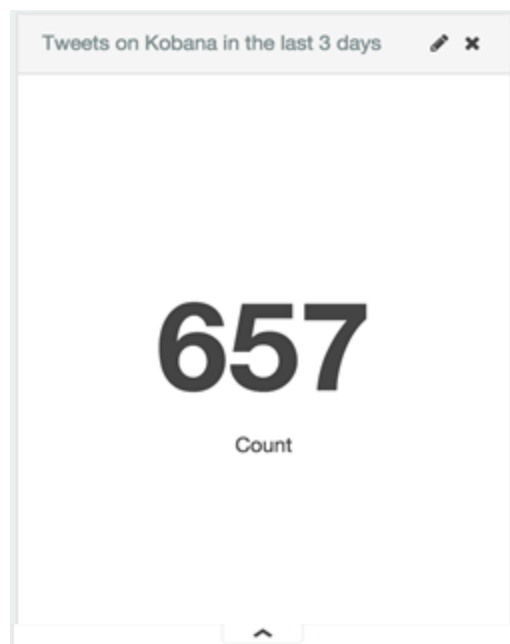




e3e

MONITOR







e3e Monitor

Explosion and Extreme Energy Event Monitor

Pier 22

The Blast Busters

<http://theport.ch/e3e/>

<http://blastbusters.org/>

