Example Sensor Types

Sensor	Use	Data
Ruler stuck in snow (yes, really - sometimes lowtech is best)	Measures: snow depth Cost: very low Usability: very high Community: WNYC	Frequency per station: 1 per day Number of stations: 100s per deployment Data store: website (e.g. WNYC's snowfall map)
Wifi-enabled weather station	Measures: Cost: high Usability: high Community: Weather Underground PWN	Frequency per station: 1 per 14 seconds Number of stations: 1s per deployment Data store:
Temp/humidity alerting system	Measures: temperature, humidity Cost: Medium Usability: high Community: wine nerds!	Frequency per station: Number of stations: 1s per deployment Data store:
<u>Air Quality Egg</u>	Measures: air quality (NO2, CO) Cost: Usability: Community: Sensemakers meetups	Frequency per station: Number of stations: Data store:
Node	Measures: 9 degree-of-freedom motion sensor (accelerometer, gyroscope, magnetometer), LED-based colour sensor, weather sensor (humidity, light level, temperature, barometric pressure), infrared thermometer, gas sensors (CO, NO, NO2, Cl2, SO2 or H2S). Cost: medium (\$150) Usability: high (bluetooth to phone) Community: Notes: 1" by 2.75", has interchangeable sensors	Frequency per station: Number of stations: 1s per deployment Data store:
<u>Citizen Sensor</u>	Measures: Cost: Usability: high (mobilephone and static versions available) Community:	Frequency per station: Number of stations: Data store:

Asthmapolis	Measures: air quality, inhaler use	Frequency per station:
	Cost:	Number of stations:
	Usability: high (built into asthma inhaler)	Data store:
	Community:	
Copenhagen Wheel	Measures: GPS, CO, NOx, noise, relative humidity, temperature. Cost: high (\$100s) Usability: high (part of bike wheel) Community:	Frequency per station: Number of stations: Data store:
Grove Dust Sensor	Measures: dust particles (pm2.5)	Frequency per station:
	Cost:	Number of stations:
	Usability: low (is a component, but kit is available on publiclab.com)	Data store:
	Community: Internews journalists (trial)	
<u>Grove gas sensor</u>	Measures: combustible gas, smoke, alcohol vapor, LPG, natural gas, town gas, carbon monoxide, coal gas, liquified gas Cost: Usability: low (is a component) Community:	Frequency per station: Number of stations: Data store:
Grove HCHO gas sensor	Measures: formaldehyde, benzene, toluene	Frequency per station:
	Cost:	Number of stations:
	Usability: low (is a component)	Data store:
	Community:	
Geiger counter(s)	Measures: radiation	Frequency per station:
	Cost: medium	Number of stations: 100s
	Usability: very high	Data store:
	Community:RadiationNetwork	
Water PH sensors	Measures: PH levels in Water	Frequency per station: 1/Day or Hour
	Cost:Medium	Number of stations: Possibly Several to detect
	Usability: moderate	Data store: Data Loggers
	Community: Water Quality	Data store. Data Loggers
Dissolved O2 Sensors	Measures: O2 levels in Water	Frequency per station: 1/Day/Hour
	Cost: Medium	Number of stations: few
	Usability: moderate	Data store:
	Community: Water Quality	

Measures:	Frequency per station:
Cost:	Number of stations:
Usability:	Data store:
Community:	
Measures:	Frequency per station:
Cost:	Number of stations:
Usability:	Data store:
Community:	