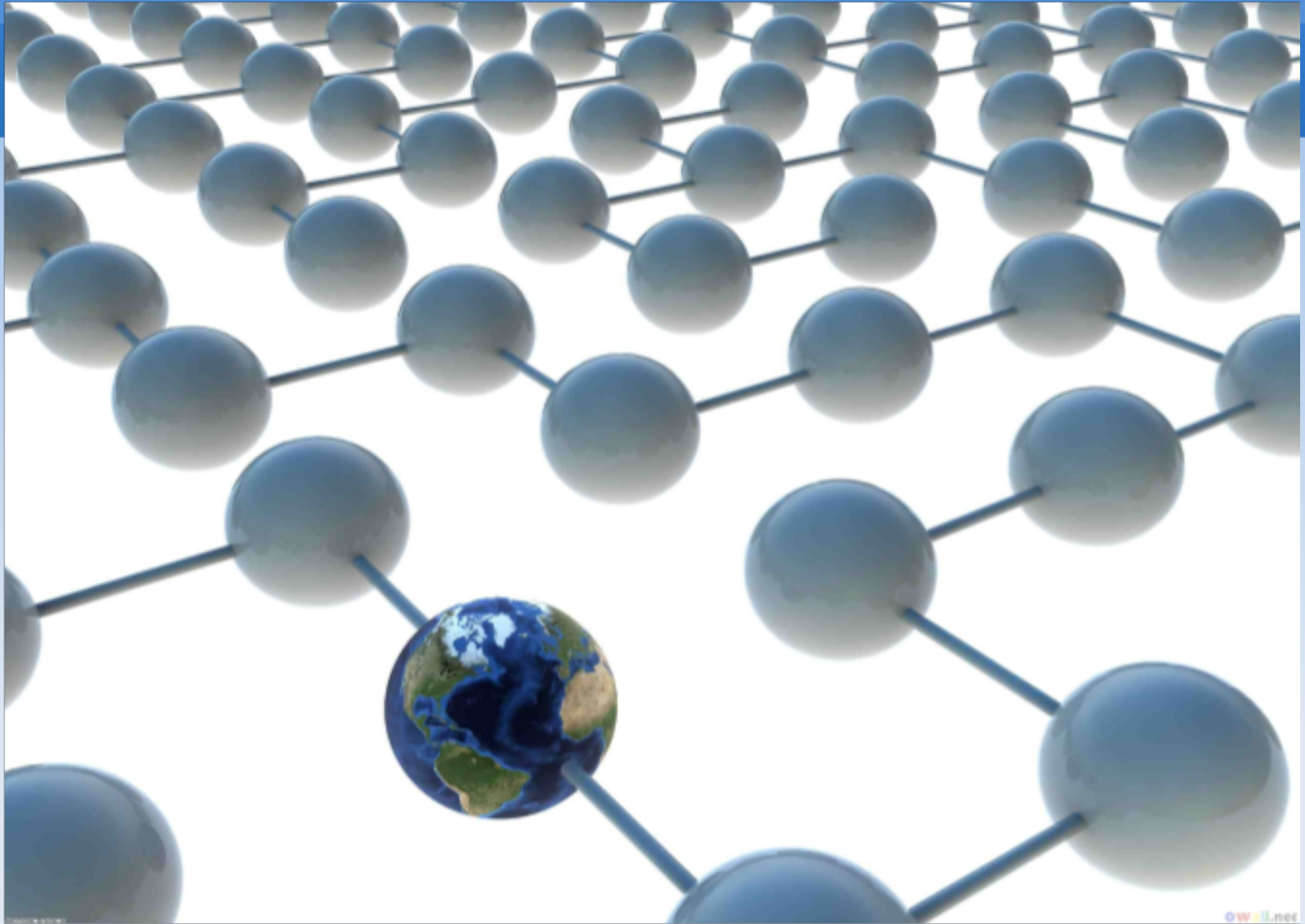


# Global Survival System



# Survival

- Can we assume that we live in a hospitable, caring universe?
- What if we exist in a hostile **competition with nature for survival**? Are we, as a technologically developing planet, prepared for cosmic catastrophe?
- We suggest a software tool that can assist all people - even including survivors of cataclysmic events.

# ”Appropriate” for an Organism

Appropriateness of a given environment, at a specific time, for a specific organism (human, animal, or plant, etc...), may be calculated in terms of its **needs**.



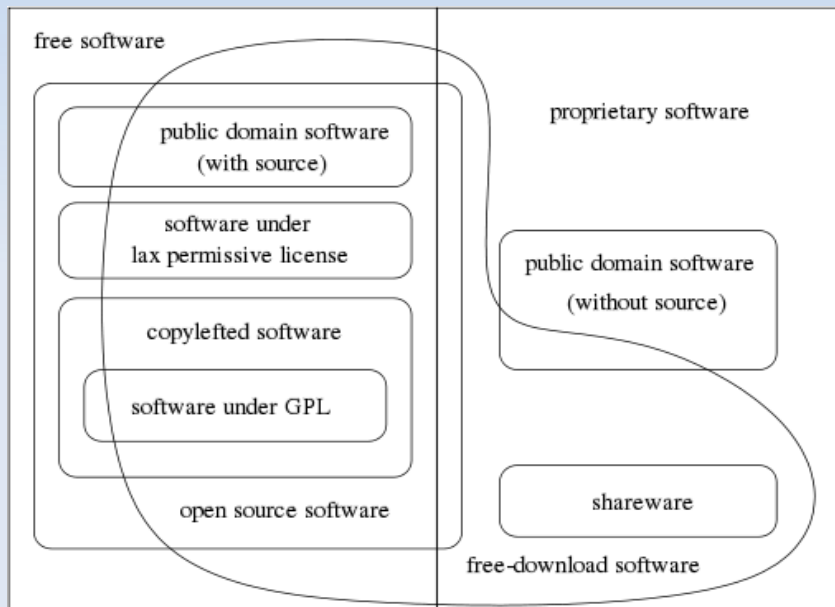
# Where is it most "Appropriate" to be, now?

We **can** analyze all physical locations, and the transitions between them, to find those which seem *appropriate* for a biological organism - measured according to certain heuristics.



# Free and Open-Source

- The tool must be easy and free for all people (and possibly animals) to use, modify or improve it.

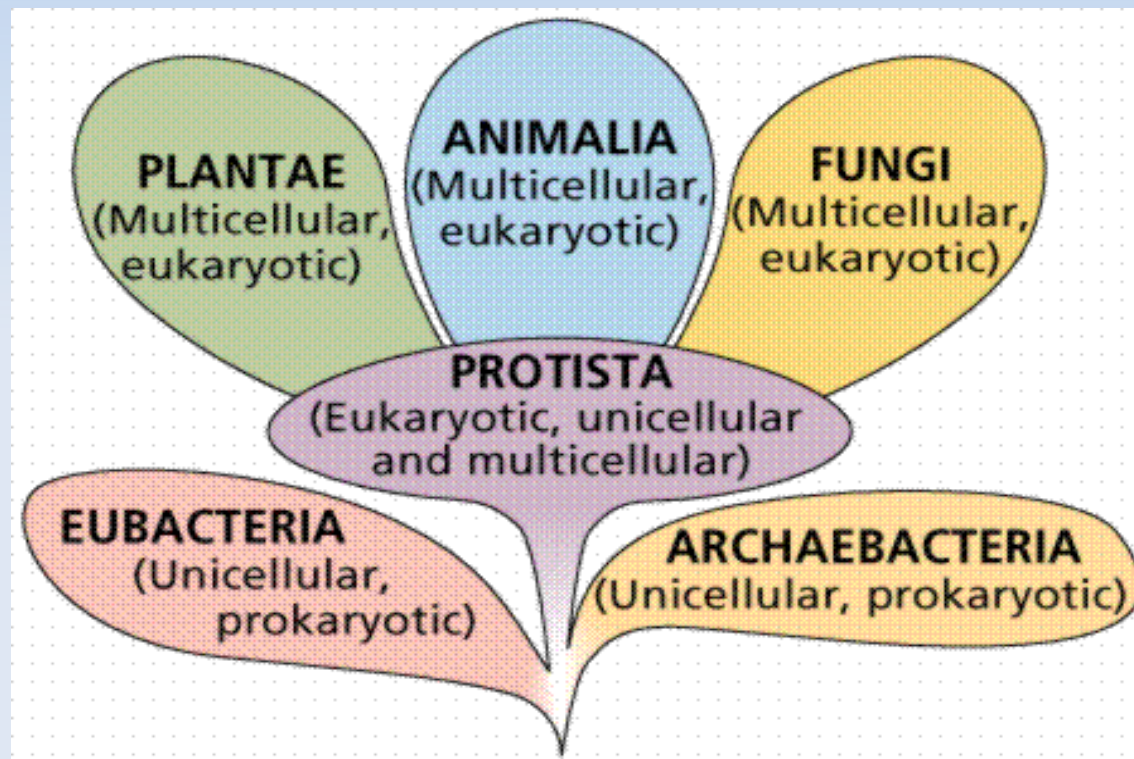


- We must not allow life to depend on errors that programmers outside of a closed-source team can't find and fix.
- We must not allow life to depend on a profit-driven decision made at the expense of the life-supporting system's usefulness, correctness, or accessibility.
- "Open API" is not enough - in this case, it needs to be completely open source.



# A Distributed Government that Guarantees Ecstatic Survival

This tool is equivalent to a **universal constitution** that can **logically** grant all beings **equal rights to existence**.

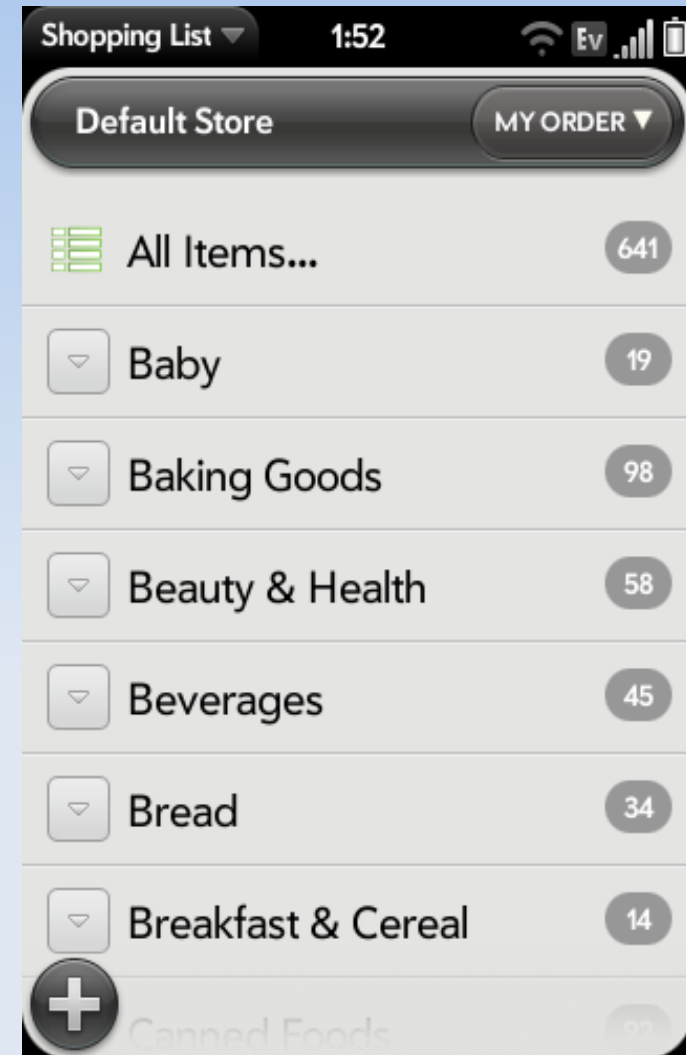


# An Organism's Needs

- Analyzes all aspects of a group of organisms' existence within an ecosystem of demands and available resources...
- ...including all biological and psychological needs which could possibly affect the **length and quality of life** of a living being...
- ...including humans, animals, plants
- ...or abstract entities such as ecosystems, families, organizations, and corporations.

# A Community's Needs

- Each being's needs can be specified, and adjusted as necessary...
- ...forming an up-to-date manifest of a **community's** essential requirements.
- Includes both abstract conditions and physical items.





# Global Real-time Sensor Network

- Integrates all available sensor data via the Internet - increasing the planet's awareness of itself
- Interprets and distills all data, classifying any spatiotemporal location into either a relative...

**benefit** or **threat**

- ...with regard to a particular organism's survival

# Thrive or Suffer

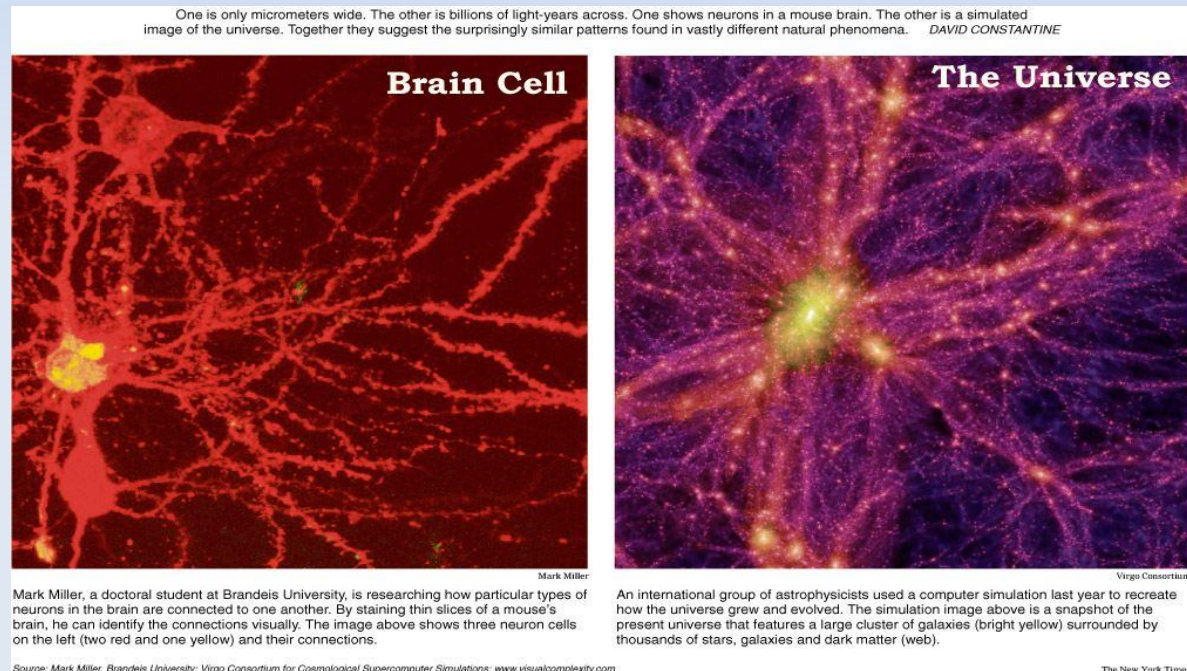
- Software can estimate whether a complete manifest of needs can be satisfied by the “available” resources -- illustrating how a community is likely to **thrive** or **suffer**.
- When shortages occur, the system can suggest alternate means of satisfying a more essential need. For example: by substituting an alternate source of a nutrient.
- If needs are not likely to be met, the system can attempt to provide a means of evacuation, or in the worst case: euthanasia.

# Simultaneously Global & Local

## ...and everything in-between

- From planetary-scale events...
  - earthquakes, space weather, radiation, etc...
- ...to neighborhood-scale features
  - the availability of a bed, a fruit tree, etc...

The same algorithms  
apply equally to planning  
intercontinental  
migration, as well as  
navigating neighborhood  
errands



# Subjectivity and Presets

- You are responsible for selecting the relative importance of each **data indicator** when creating a map or route
- The tool provides selectable "presets" which are updated and improved by experts according to professionally and scientifically determined regulations.
- Unifies the functionality of several United States agencies:
  - FDA, EPA, CDC, ...and others

# "What May I Need?"

## Maps **Conditions** to **Products**...

- Provides relevant product & service suggestions for any situation according to a semantic rule system
- Voting & comments democratically crowdsource increasingly better suggestions, from within the software
- Any e-store or affiliate is free to advertise and sell by contributing rules that generate suggestions for various situations



# Survival Store

Advertising According to Relevant Necessity

- **”What May I Need?”** answerable at any given time
- Associates resources with the organism needs that they satisfy....
- ...**both** in the presence of certain conditions, and the lack of other conditions
- Integrates with e-stores and distributors
- Recommends and advertises products and educates about how to use them

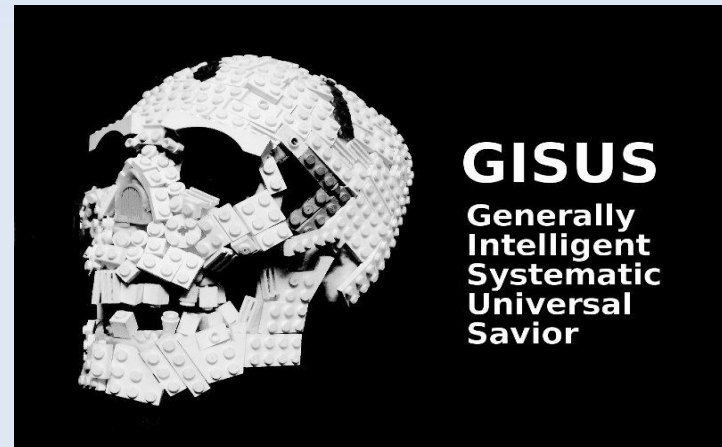
Immense Opportunity for E-Commerce: Advertising and Sale Revenue



# Rational Eudaemonic Systematic Universal Savior

- A completely transparent, internet-powered, distributed, planetary mind that manages Earth's resources towards the survival of all beings and the manifestation of all humanity's dreams for the future.
- It explains all of its decisions and conclusions in terms of factual data collected from sensors and human input.

**eu·dae·mon·ic** /,yōdə'mänik/  
Adjective: Conducive to happiness.



# DATA SOURCES

# Shelter

- Homes
- Apartments
- Shelters
  - Bridges
- Hospitals
- Beds
- Campgrounds, Tents and Temporary Housing

# Water & Food

# Safety

- Crime
- Fire Protection
- Disaster Relief

# Pollution

- Industrial Pollution
- Radiation
- Chemtrails
- Electrosmog (ex: Cell phone towers)



# Energy

- Sustainable energy
- Pre-paid energy
- Conventional & Smart power grids

# Communication

- Mail
- Phone
- Internet
- Radio

# Healthcare

- Doctors
- Hospitals
- Pharmacies
- Therapy
- Life Expectancy
- Disease, Epidemics, and Pandemics

# Education

- Childcare
- Public and Private Schools
- Universities
- Classes & Opportunities to Learn

# Transportation

# Population Demographics



# Waste Disposal & Recycling

# Economy

- Banks and Credit Unions
- Taxes, Permits, and Fines
- ATM's
- Cost of Living

# Agriculture

# Natural Disasters

- Earthquake
- Volcano
- Fire
- Flood
- Tsunami
- Storm, Tornado, Hurricane

# Semantic Trends



"The words on the map are taken from recent Twitter tweets... tracking the words, or topics, as they become more or less popular in overall tweets..."

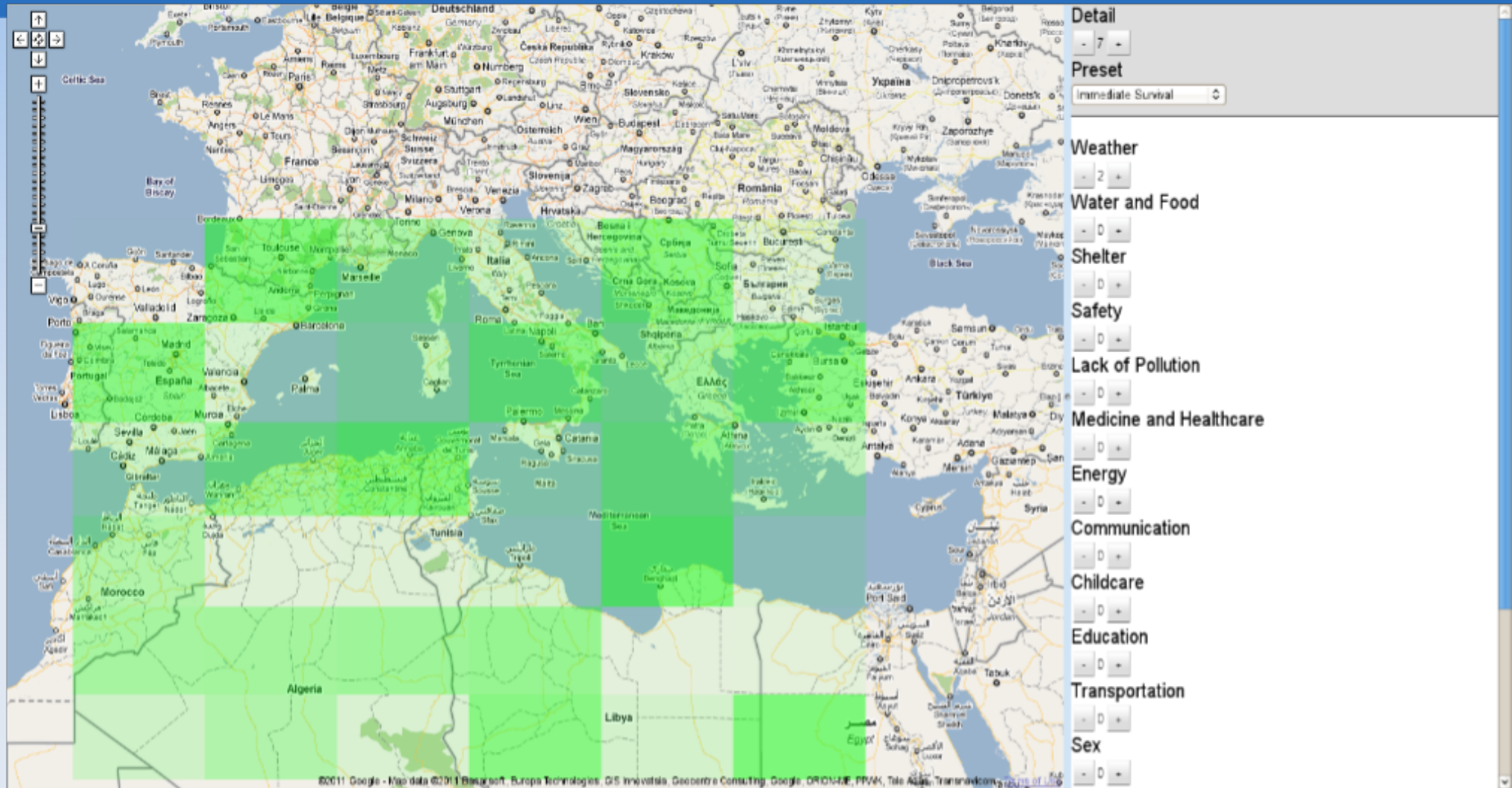
<http://TrendsMap.com>

- Many ways of usefully interpreting this data...
- ...but let's use open [micro-]blogging and social platforms, instead of Twitter.com (which is proprietary and closed-source)

# PROTOTYPES

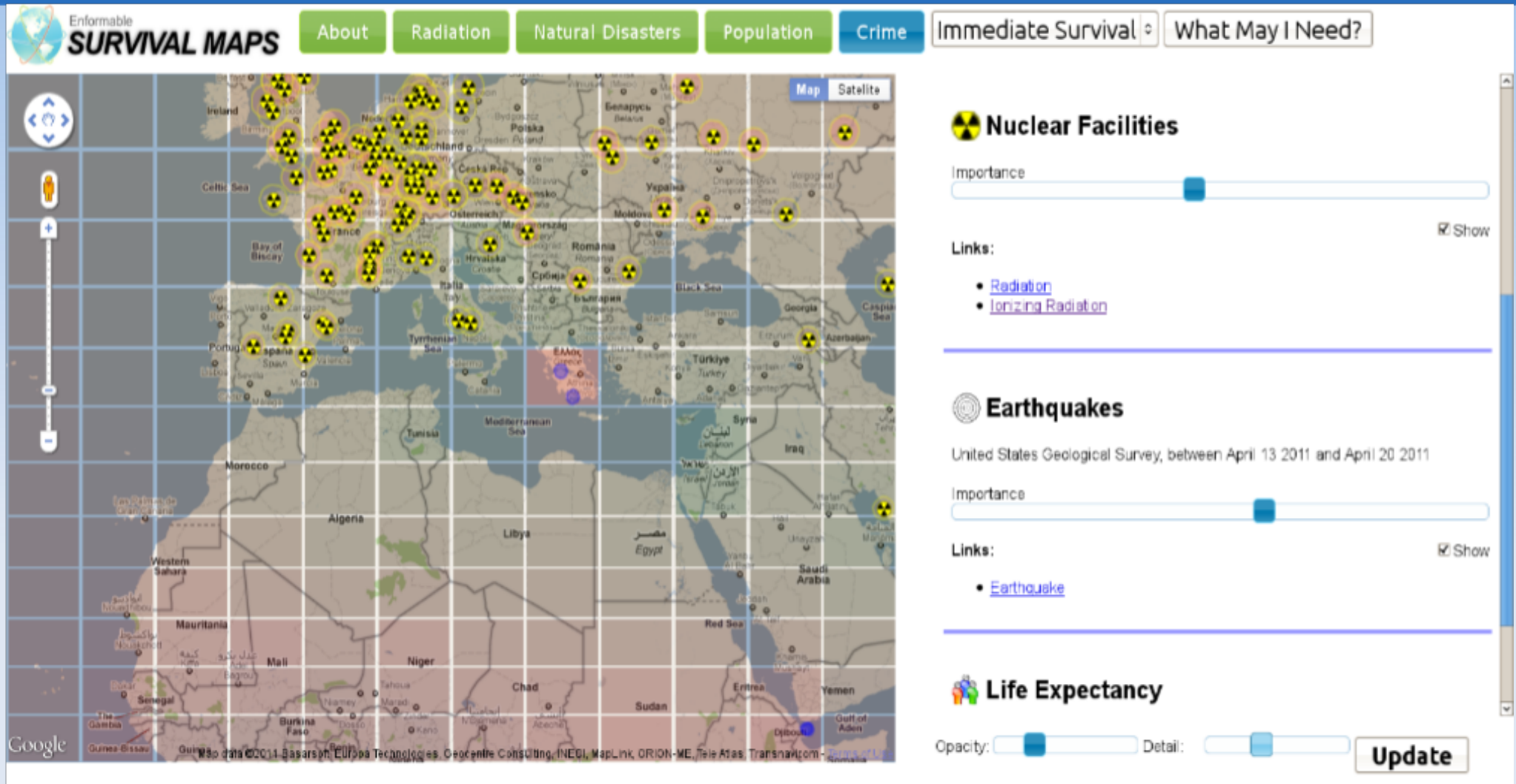


# Prototype 1



Java/GWT - Late 2010

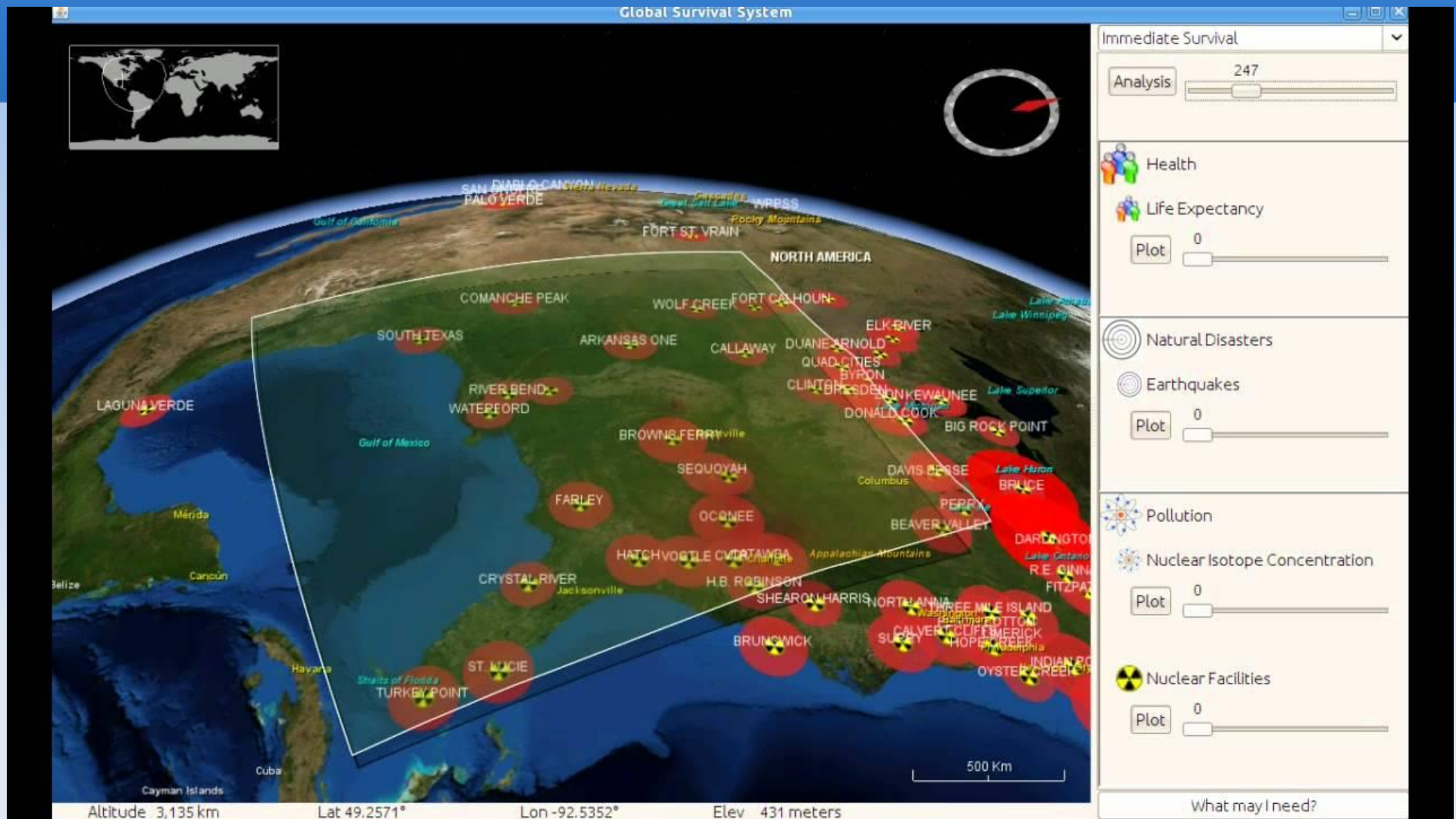
# Prototype 2



HTML/Javascript - Mid 2011

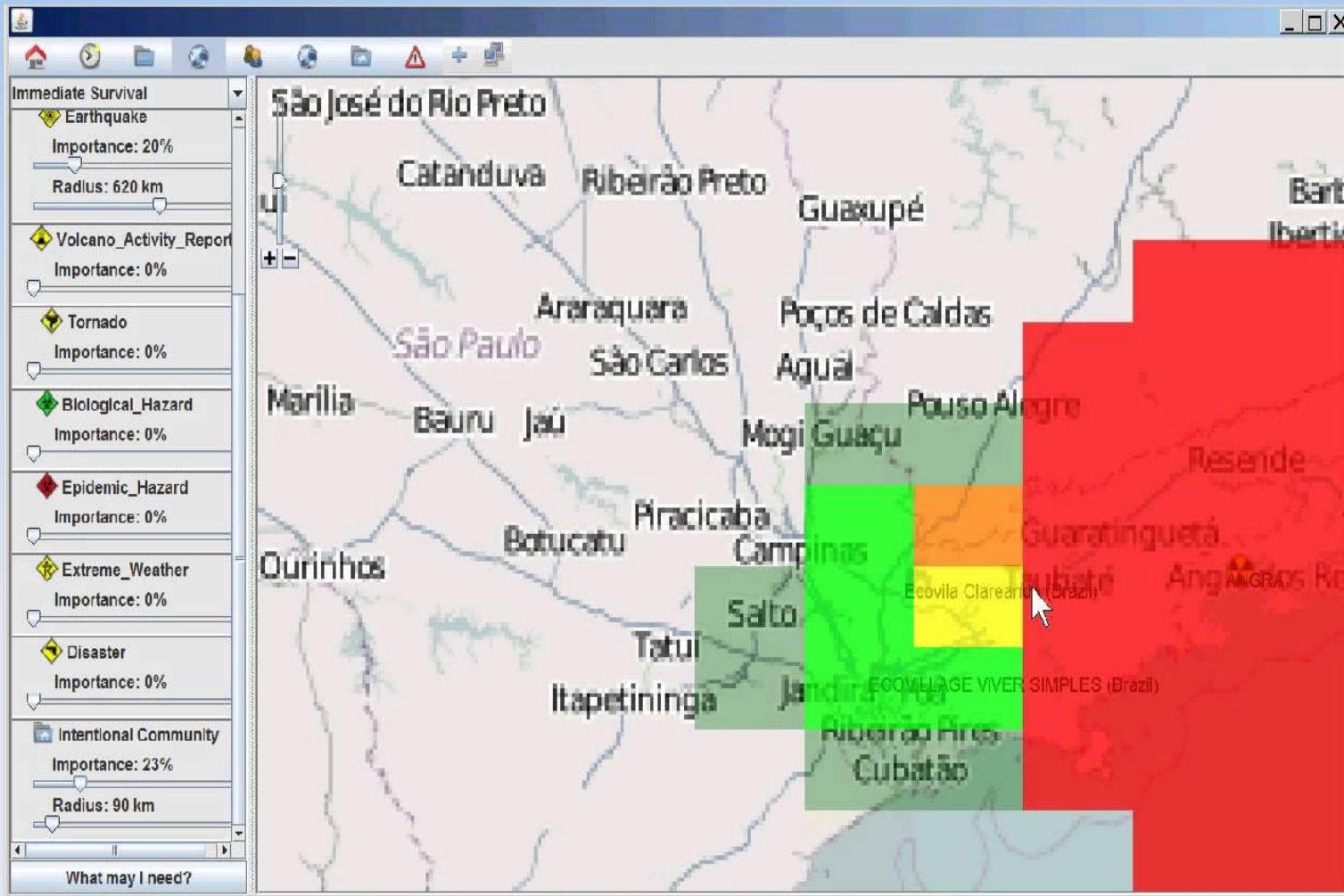


# Prototype 3



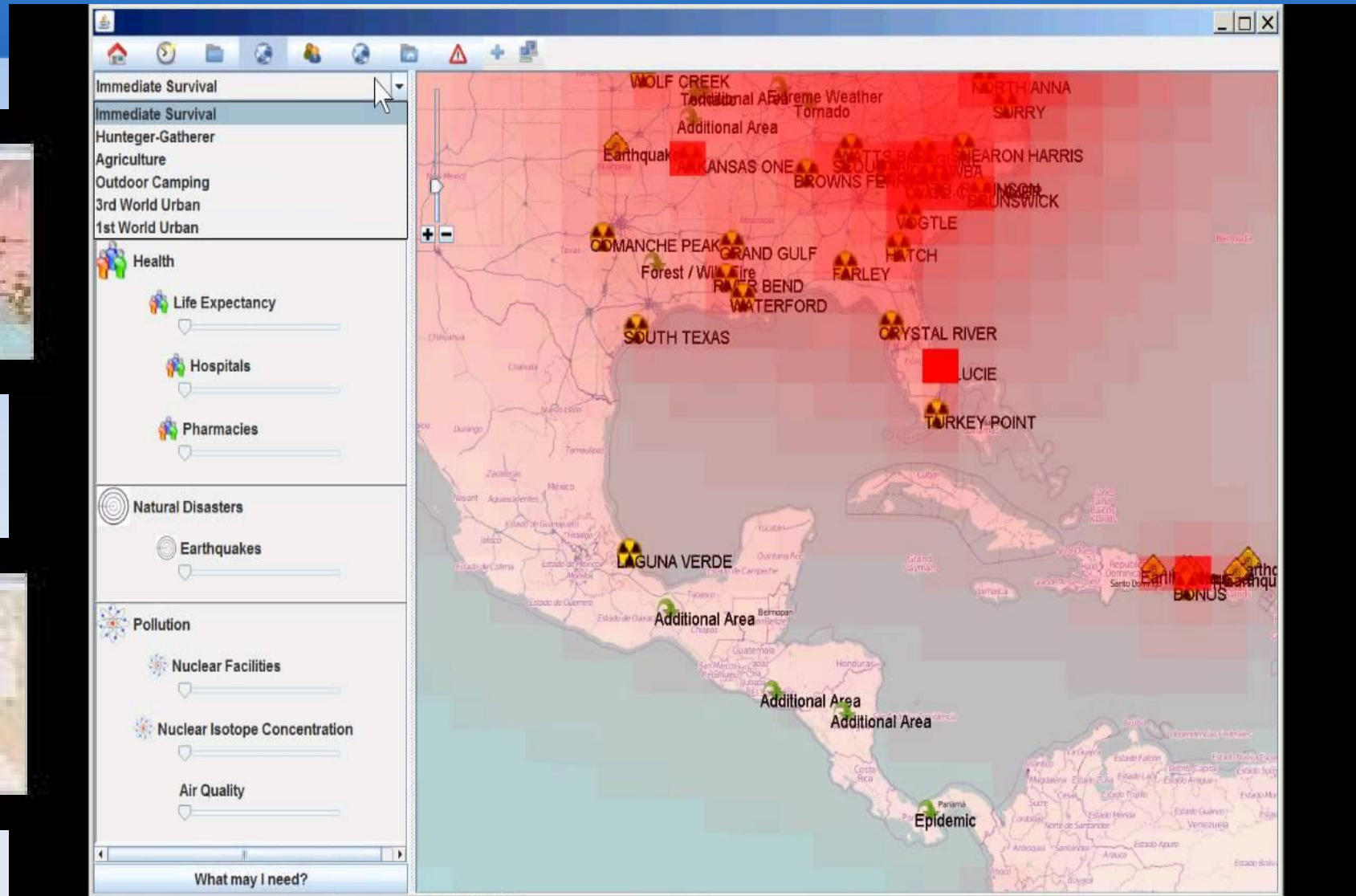
Java / [NASA WorldWind](http://www.nasa.gov/worldwind/) - Mid 2011

# Prototype 4



Java/Swing - Early 2012

# Prototype 4 (continued)



Java/Swing - Early 2012

# APPENDIX



# Open Manufacturing

- Open designs for building...
  - Equipment
  - Machines
  - Software
  - Relationships
  - Educations
  - Food
  - etc...
- Applies to the **factory** *as well as* the **kitchen**
- Sustainable Supply Chain

# Accountability & Reputation

- The history of success in satisfying the survival needs of organisms forms a **quantifiable reputation** of its community's ability to support its members.
- Can we exceed the **compassion** of modern governments which avoid measuring the success of its population in a direct, biological way?
- Adaptive strategies applied in decentralized networks eliminate any centralizing bureaucracy or single point of failure



# Survival vs. Luxury

- By demonstrating how all individuals have the potential to survive, the system separates economies into two markets:
  - **Survival Market** - involving products which may be essential to survival
  - **Luxury Market** - involving products which are entirely non-essential to survival



# Everyone Survives, Even if the Community Doesn't Thrive

- Only when the Survival Market remains balanced should participants be concerned with growth in Luxury Markets.
- This prevents wealthy individuals from recklessly gambling with the same currency which could sustain life
- ...an unfortunate condition which currently plagues Earth's global economy and oppresses a significant part of the planet's population.

# Freedom and Happiness

- Open-source
- Available for everyone
- Helps animals too
- We can all contribute to improve this system
- No excuse for not implementing it ASAP! We needed it yesterday!