

# Formulating the National Geospatial Strategy in a Time of Rapid Change and Growing Challenges

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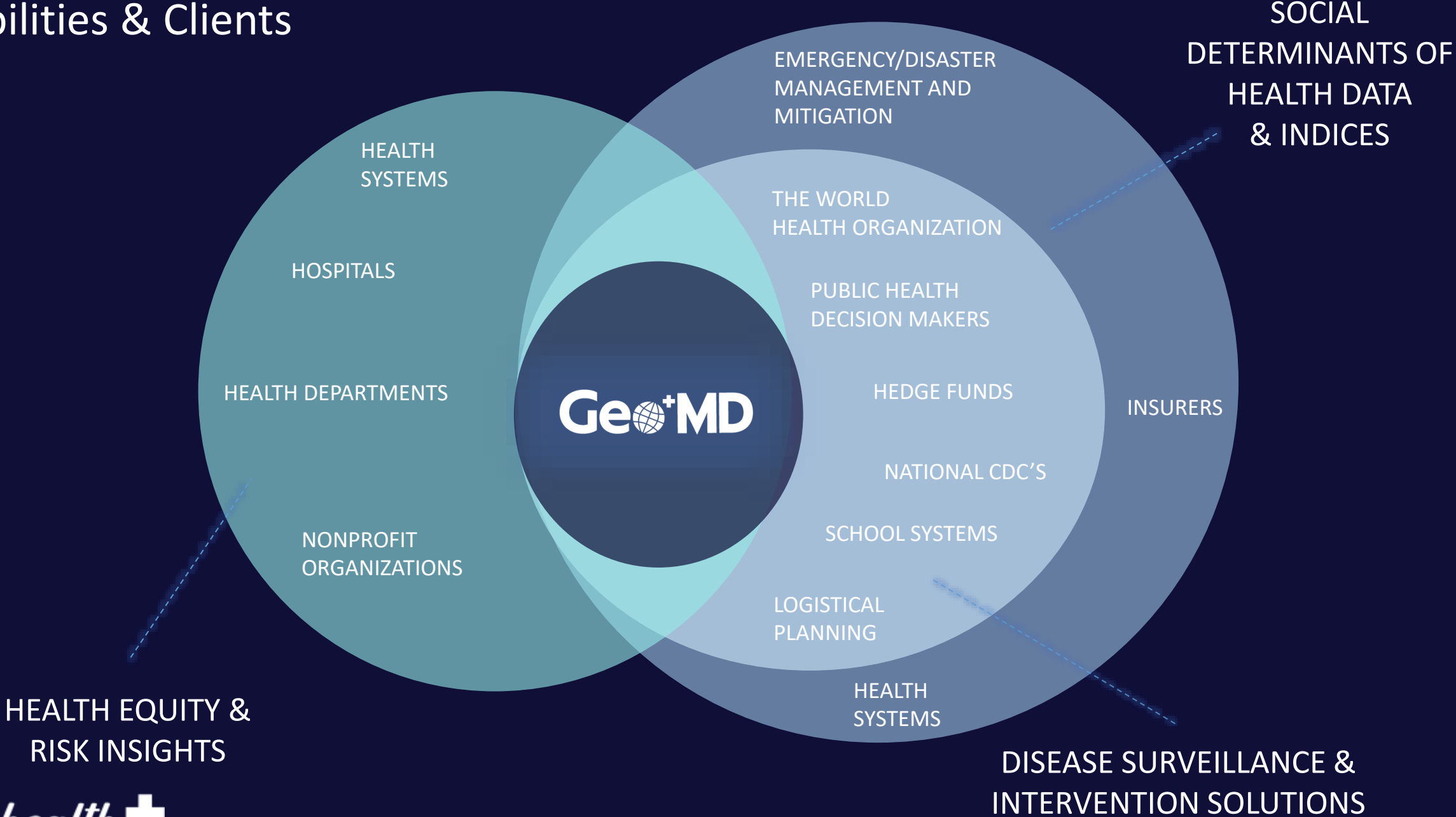
GeoGov Summit 2023

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# Capabilities & Clients



# SDI-Healthcare Goals

- Incentivize collaboration
- Data Awareness
- Health Information Insights Exchange (HIIX) - establish a data infrastructure to house in a secure, interoperable manner, health indicators & risk indices.
- Emphasize multi-sector impact of health risks.
- Pandemic Early Warning System is a powerful use case - according to WHO and World Bank, there is an annual shortfall of \$900 million at the global level and \$4.2 billion at the country level to support early warning and data surveillance activities.
- Need to address geo-political obstacles – a role for the United Nations and UN-GGIM.

# Pandemic Early Warning System (PEWS)

- Health Information Insights Exchange (HIIX) - can serve as a data hub for PEWS.
- Health is high risk sector for traditional investors.
- Leverage public and philanthropic funds as concessional capital to attract market-rate investors interested in later-stage investment.
- First loss capital provided by government, philanthropic funds to attract traditional equity or debt financing. Such initial investment can be used to finance a Health Insights Information Exchange (this can also be considered a Tech Hub).
- Political and credit risk guarantees by government or global agencies can spur private investment.

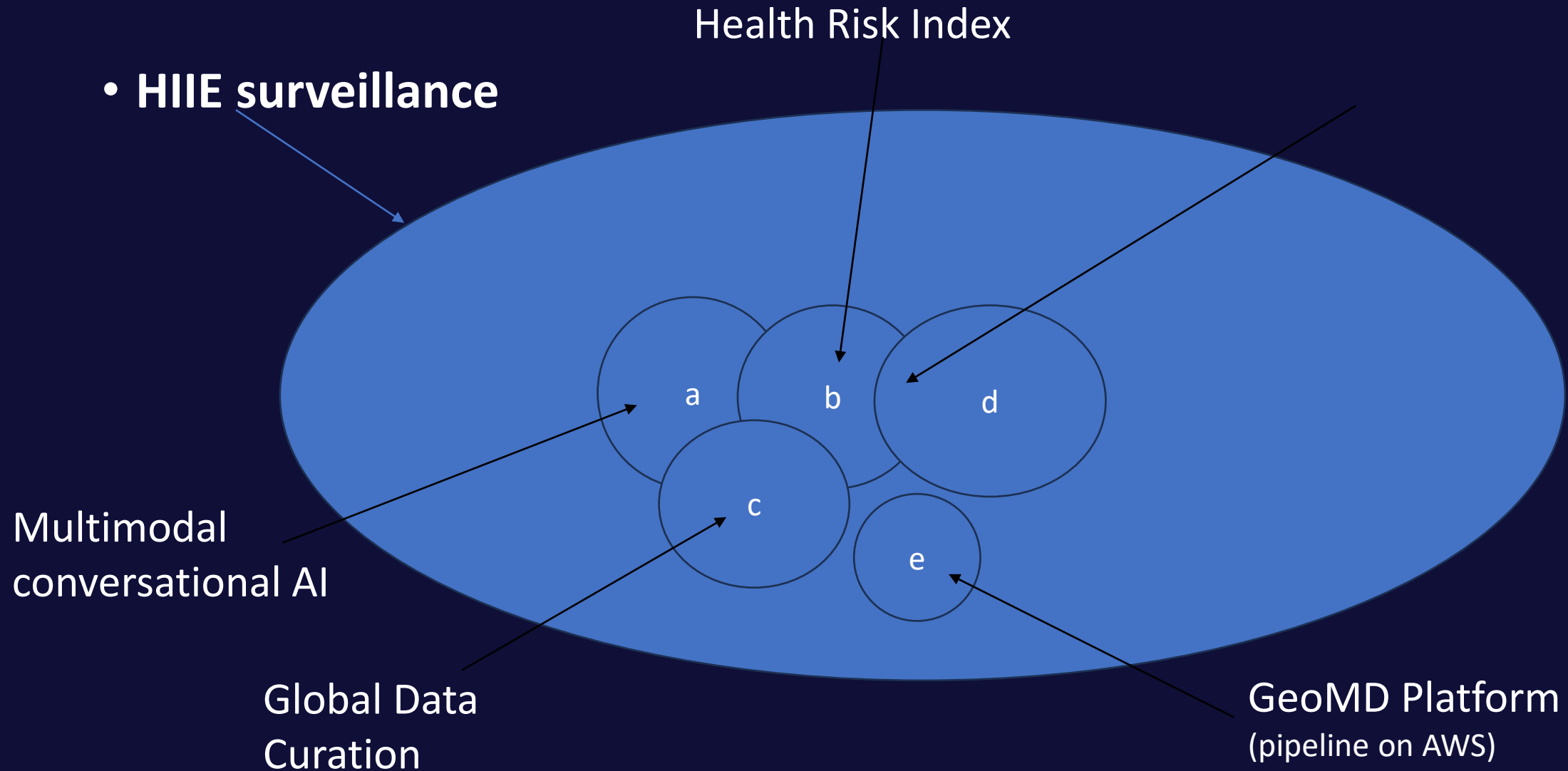
# Tech Hub Model - Premises

- Technology-based potential of the region for global competitiveness.
- Must make economic case that efforts will benefit the HIE (or Tech Hub) community through job creation, enhanced educational opportunities, increased private sector investment, and more.
- HIE will promote sustainable and innovative models through the development of U.S. owned Intellectual Property.
- Regional policy changes may be necessary to accelerate growth and achieve global competitiveness.
- Encourage Public-Private partnerships with broad involvement encompassing educational institutions, Fed/state/local/tribal governments, industry groups or firms in relevant technology, economic development organizations, labor organizations, and workforce training organizations

# Tech Hub Model

- HIEs represent an opportunity for a National Spatial Data Infrastructure (NSDI) to support multiple key technology focus areas (KTFA).
- A health-focused NSDI infrastructure can provide insights to a variety of sectors that may use information for a diverse set of use cases.
- Technology focus areas include AI, health risk analytics, natural and anthropogenic disaster prevention or mitigation. All of which are critical in a Pandemic Early Warning System.
- Economic focus areas include workforce development, business and entrepreneurial development, technology maturation, and infrastructure.
- Incentivize – ESG (including health risks) reporting, diversity and equity, planning and reporting on future climate risks.
- HIEs can operate in a Hub-and-Spoke model, with the hub as a coordinating entity (e.g., WHO, UN) providing governance, data standards, agreements, financing, partnerships, incentives

# Key Technology Focus Areas





# Summary

- A. NSDI-supported Health Information Insights Exchange.
- B. Government first loss capital - Tech Hubs Model - Key Technology Focus Areas
- C. Measurable regional and domestic growth opportunities
- D. Encourage Public-Private partnerships and Private Sector Investment



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