Information Sharing and Distribution

1) Enterprise (geo)databases: centralized storage, data quality, data sharing.

2) Geospatial-enabled portals (data, tools): metadata, index.

3) Data interoperability: standards, ontology, semantics.

4) Integrator: georeferenced health records, genomic, environmental, socio-economic, social media, etc.

5) Community building

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Location Based Service and Application

1) Tools: standalone, GIS-based.

2) Web tools: statistics/modeling functions.

3) Mobile tools: service-oriented.

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Spatial Analytics

1) Spatial analysis (interactive, static): cartography, manipulation.

2) Spatial statistics: patterns, hot/cold spots, regression, smoothing, etc.

3) Spatial data mining: clustering (grouping), PCA, association.

4) Social network

5) Spatial modeling

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