

Southeast Regional
State, Local, & Tribal Workshop

State Level Breakout

Data Needs and Uses

Cross-cutting Concerns

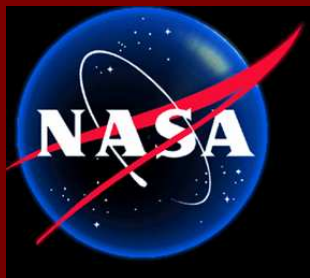


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Breakout Results

Data and Usage Requirements

- Land use and land coverage information (5 meter minimum map unit) [28]
 - Wetlands management (change detection capabilities)
 - Forest inventories, including age and structure characteristics (annual change detection capabilities, 1 acre stands)
 - Status and trends of vegetation (1 meter map units, twice per year)
 - Microhabitat features (1/4 acre, five year intervals)
 - Riparian features (5 m wide features)
 - Urban characteristics, economic development, cadastral change detection (annually)



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Data and Usage Requirements

- Updated digital elevations (5 meter X & Y, 2.5 meter Z; change in Z annually; 6'' - 1' contours in coastal areas) [19]

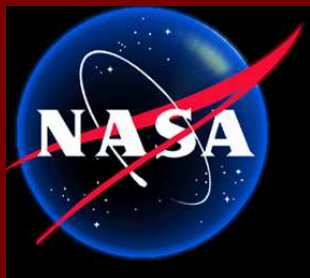


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Breakout Results

Data and Usage Requirements

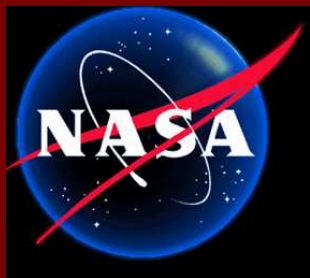
- High resolution bathymetry [13]
 - 6” in x,y and z
 - Ability to detect underwater obstructions (tree stumps, piers, vessels, oyster reefs)
 - Ability to detect offshore oil and gas platforms



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Data and Usage Requirements

- Transportation infrastructure details [12]
 - Centerlines
 - Sidewalks
 - Width
 - Number of Lanes
 - Condition of Median
 - Environmental impact
 - Pavement type and condition



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Breakout Results

Data and Usage Requirements

- Surface and subsurface water **quantity** issues (monthly tracking capabilities, for use in annual planning functions; 1% accuracy) [9]
- Assessment of geologic hazards (sinkholes, landslides, earthquakes, floods, etc.) (1 meter map unit) [8]



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Data and Usage Requirements

- Soil and water quality assessment (3-5 years, 1 acre soils; 1 meter width streams) [8]
- Hydrologic features, including intermittent and 1st order streams (1 meter or less in width, annually) [7]
- Air **quality** monitoring, including emission detection related to EPA's 'Big 6', and urban heat island studies (1 hectare map unit) [4]



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Data and Usage Requirements

- Mapping of critical response facilities [3]
- Mapping of sensitive environmental areas [2]
- Environmental monitoring of transportation corridors (roadway elevations, culverts, etc.) [2]



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State Level Cross-cutting Concerns

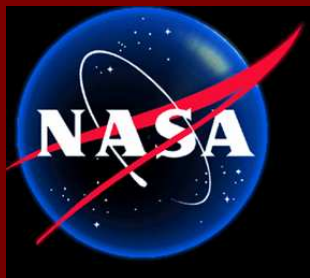
- Create mechanisms that generate useful and meaningful products at both the state and local level [15]
- Create cost-effective technology; share technology when applicable [13]



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State Level Cross-cutting Concerns

- Create a standardized methodology for estimating costs associated with remotely sensed based products; utilize this system within RFPs [10]



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State Level Cross-cutting Concerns

- Create mechanisms that catalog existing data sources; Enhance vertical and horizontal coordination, especially between existing geospatial partnerships at the state and local level [9]
- Create low-cost, easy-to-use spatial tools; develop ‘turnkey’ packages for specific types of analyses; Create workforce development and training opportunities at all skill levels [9]



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State Level Cross-cutting Concerns

- Create enhanced tools for analysis of high-resolution imagery [4]
- Enhance state and local input into federal agency decisions related to standards development and implementation [heads nodding]

