Southeast Regional
State, Local, & Tribal Workshop

February 5-7, 2001 Memphis, TN

Local Breakout

Southeast Regional State, Local, & Tribal Workshop Breakout Results

- ## #1. Data Products
  - Data/products in a standard format and accessible to all local governments
    - Examples: AutoCAD, ArcInfo, etc.
  - New desktop application tools/software
    - Easy to use (easier than ERDAS), affordable, reliable, easily accessible (both data and software)
    - Small file size for better processing & storage
  - Better training for users at "non-vendor facility"
    - Use a "roving" facility

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- ## #2. Government/Public Relations
  - Keep Legislatures/local officials informed about new remote sensing technologies
    - NACo and related organizations -- the same organizations that state and local officials join
    - "NASA Day" highlighting practical successes
    - Network with all who work in this field
    - Develop NASA partners

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- ## #3. Data Needs (Mapping & Monitoring)
  - Mapping needs
    - Floodplain mgt. (5 yrs, 30 meter, 2 ft. contour)
    - Locate underground pipes and fiber optic cables
    - Locate archeological resources
    - Manage wildlife habitat
    - Aerial fly-over alternative for local governments -- must meet current requirements
    - Classification of pervious vs. impervious land and quantify in square feet

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– Mapping needs (continued)

- Fire hydrant & manhole location

- Updating planimetric data

- Ground detail for parcel mapping (½-1 foot/pixel)

- Replacing older maps with improved ones (replace vs. update)

- Basic "day to day" mapping functions

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- ## #3. Data Needs (continued)
  - ### Monitoring needs
    - City lighting at night and heat sensing
    - Quality/quantity of aquifers & surface water
    - Vegetation & wildlife habitat
    - Point source pollution
    - Storm drains, stream blockages and necessary cleanup after storms (assess from photograph)
    - Open space easements and riparian buffers

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– Monitoring needs (continued)

- Updating old data (replace vs. update)
- Movement of people
  - Daytime vs. residence populations
  - Movement due to special events
  - Crowd counting (attendance)
- Code enforcement
  - Assessment, billboard size, residential structures
- Emergency response
- Community growth patterns, urban sprawl
  - Density & impact

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– Monitoring needs (continued)

- Tree canopy size, extent, change and assessment after storm
    – Frequency: quarterly baseline; as required for damage
- Assist with storm cleanup efforts