

# BOCOMO Synergy Project

---

## Local Government Implementation Boone County & City of Columbia

*<http://www.geog.missouri.edu/synergy/bocomo/>*

*<http://www.bocomo.missouri.edu>*

# BOCOMO Synergy Project

## Current Participants

---

### **Boone County**

Public Works

Planning & Zoning

Dept. of Information Tech

Sewer District

Design & Construction

Assessor

### **Boone Electric Cooperative**

### **City of Columbia**

Planning & Development

Public Works

Chief Engineer/Operations

Solid Waste Manager

### **City of Ashland**

Public Works

City Engineer

Planning

# BOCOMO Synergy Project

## Project Objectives

---

- **Refinement of Local Government implementation process.**
  - Assessment of user context and integration potential.
  - Determination of insertion points of remote sensing products and derivative products into decision-making.
  - Development of remote sensing products to user requirements.
  - Implementation of remote sensing products to address local government policy and planning issues.
  - Delineation of programmatic opportunities for technology transfer and maintenance.
  - Building within the cooperating jurisdictions the capacity and capability for independent ongoing use of remote sensing products.

# BOCOMO Synergy Project

## Target Customers

---

- City and County Planners
- City and County Public Works
- City and County Assessors
- Locally Owned Utilities
- Regulated Storm Water Authorities
- Local Citizenry

# BOCOMO Synergy Project

## Status

---

- **Stakeholder Meetings - expanding series**
  - Issue and Policy Definition
  - Potential Application Listing
  - Prioritization of Application
  - Database Inventory and Documentation
  - Product Planning & Development
- **Development of Internet - Intranet Site**
- **Base Map Evaluation and Planning**
- **Land Cover Mapping & Change Detection**
  - Aerial Photography - continuing
  - TM - continuing
  - IKONOS - just arrived
- **Elevation Modeling**

# BOCOMO Synergy Project

## Planned Products

---

### TARGET APPLICATIONS:

- Storm Water - Modeling, Planning, Monitoring, Maintenance
- Tax Assessment
- Inventory Development
- Traffic Demand Modeling
- Flood Zone Determination
- Right-of-Way Management
- Ecological Sensitivity Modeling

# BOCOMO Synergy Project

## Initial Results

---

- **PROGRAMATIC:**

- Application / Data Base Matrix
  - Interrelationships and Interdependence
- Publicity in Local Papers
- Managing Expectations
- Initiate Project / Product Teams
- Internet InfoMart Development

- **APPLICATION:**

- Stormwater Modeling
- Ecological Sensitivity

- **DATABASE DEVELOPMENT:**

- Base Mapping Standardization
- Land Cover Mapping
  - Thematic Mapper
  - Aerial Photography
- Elevation Model Development
  - Photogrammetric
  - USGS DEM
  - USGS Contours

# BOCOMO Synergy Project

## Issues

---

- Scale / resolution / accuracy interrelationships within local government applications - Undefined accuracies.
- Policies to ensure privacy.
- Conversion of existing data / data transfer / data update.
- Building a technology transfer / informational program for the development of staff resources for more independent use of remote sensing products.
- Building collaborative business relationships with the commercial sector focusing on local government needs and applications.