

# A MODEL FOR INTERAGENCY SHARED GIS SERVICE

*Presented by:*

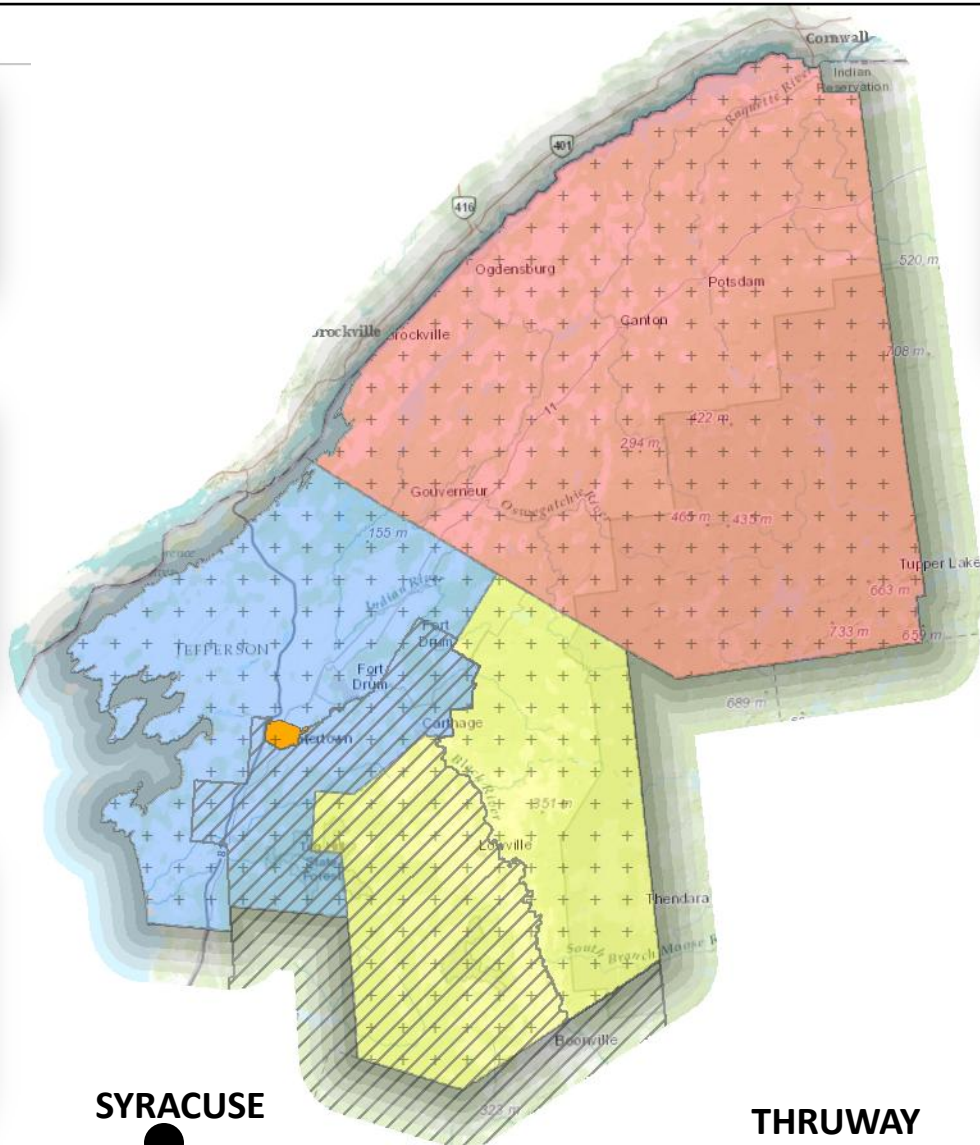
Dave Cook, GISP



Morgen Healy



# PARTICIPANTS & PROJECT NEED

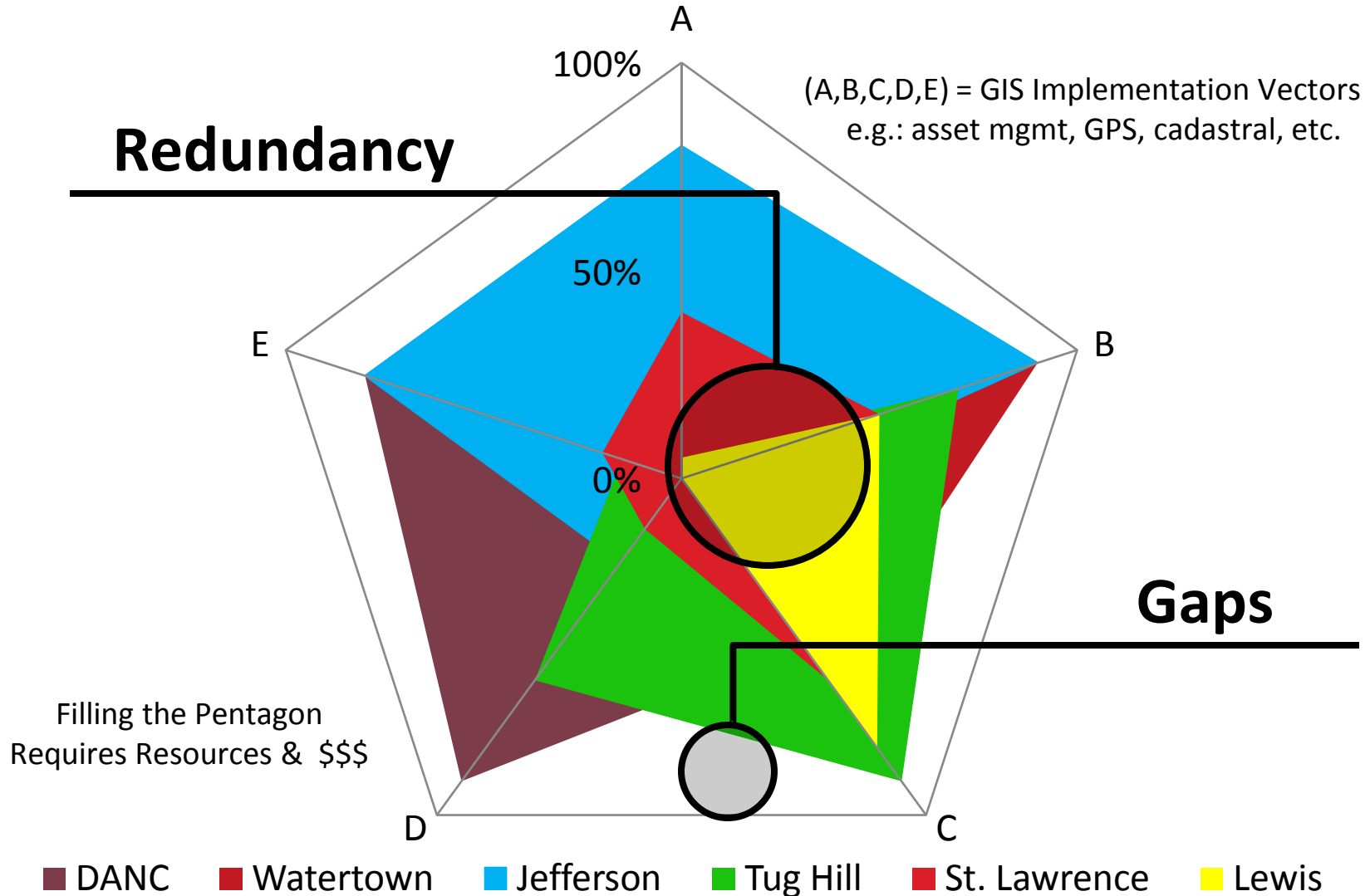


SYRACUSE

THRUWAY



# PARTICIPANTS & PROJECT NEED




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INTERNET MAPPING APPLICATION

Welcome | Public Entrance | Log In | FAQ | How It Works | Credits | Disclaimer

The IMA displays GIS data for the Authority and customers. This application allows users to view and find data, print maps, measure, and add sketches. Some examples of GIS data available in the IMA are: Telecom, Landfill, and Water/Wastewater. Enter to see more



Public users, click the "Public" button to enter. Customers and Authority staff, click the "Customer/Authority" button. Note: Entering implies agreement with the Usage Disclaimer

**PUBLIC** | **AUTHORITY / CUSTOMER**



Jefferson County Map Viewer



St. Lawrence County, NY

Powered By  
geoserving.net




Lewis County  
New York


Lewis County Map  
Lewis County Mapping Program



NEW YORK STATE  
TUG HILL COMMISSION



CITY OF  
WATERTOWN

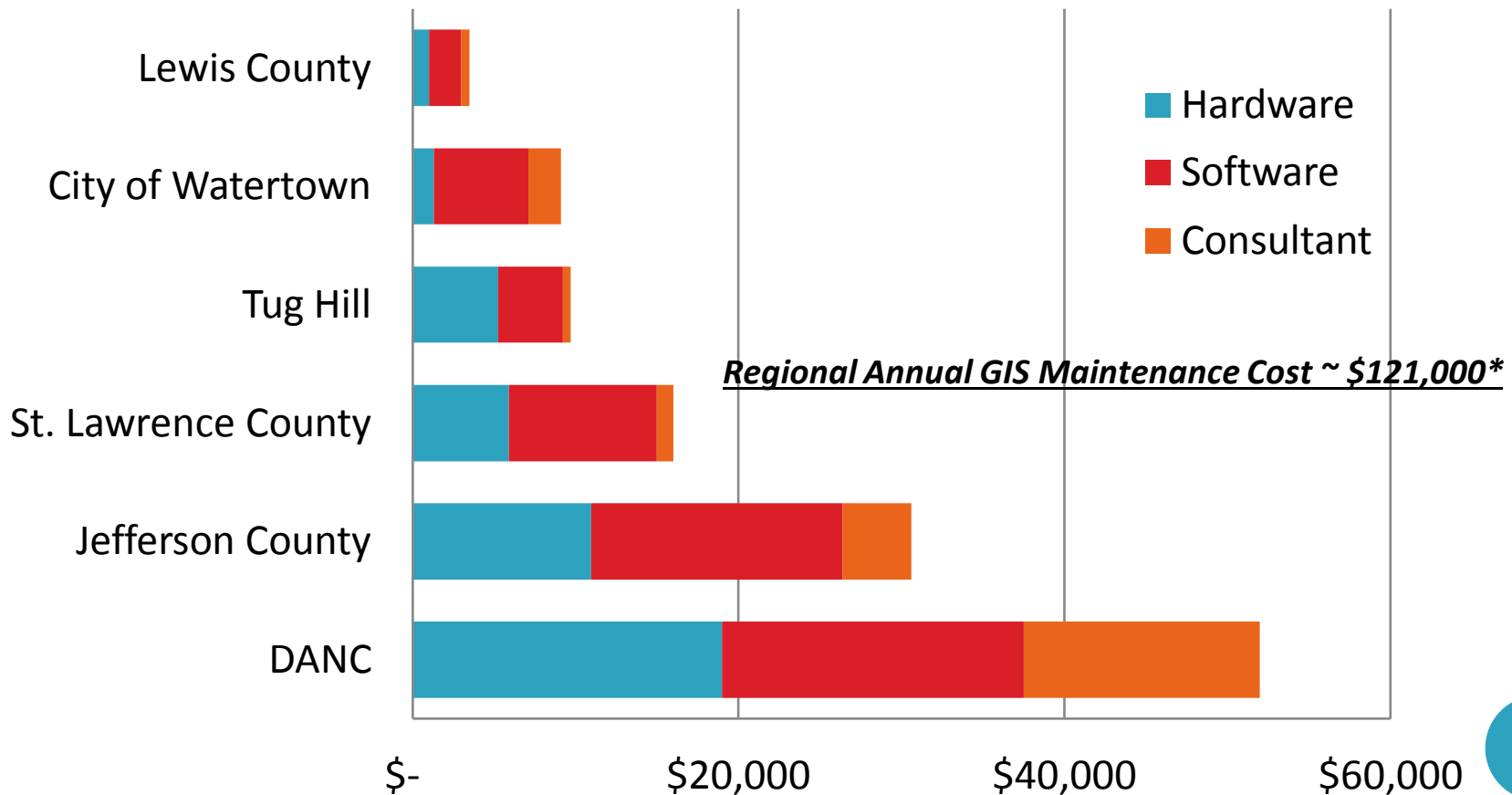


imap  
public access

Public Internet Mapping Application

# PARTICIPANTS & PROJECT NEED

## Annual GIS Program Maintenance Costs



\* Figure excludes \$1M labor costs per annum.



# PROJECT GOAL

To develop a shared GIS services plan to increase GIS efficiency, reduce costs, foster collaboration, improve GIS services, and ultimately save taxpayer dollars.



# SHARED SERVICES MODEL CONTINUUM

**Current Situation**

**Maximize benefits of sharing, but maintain organizational independence**



**Foster Coordination** – Standards, Metadata, Data Purchases



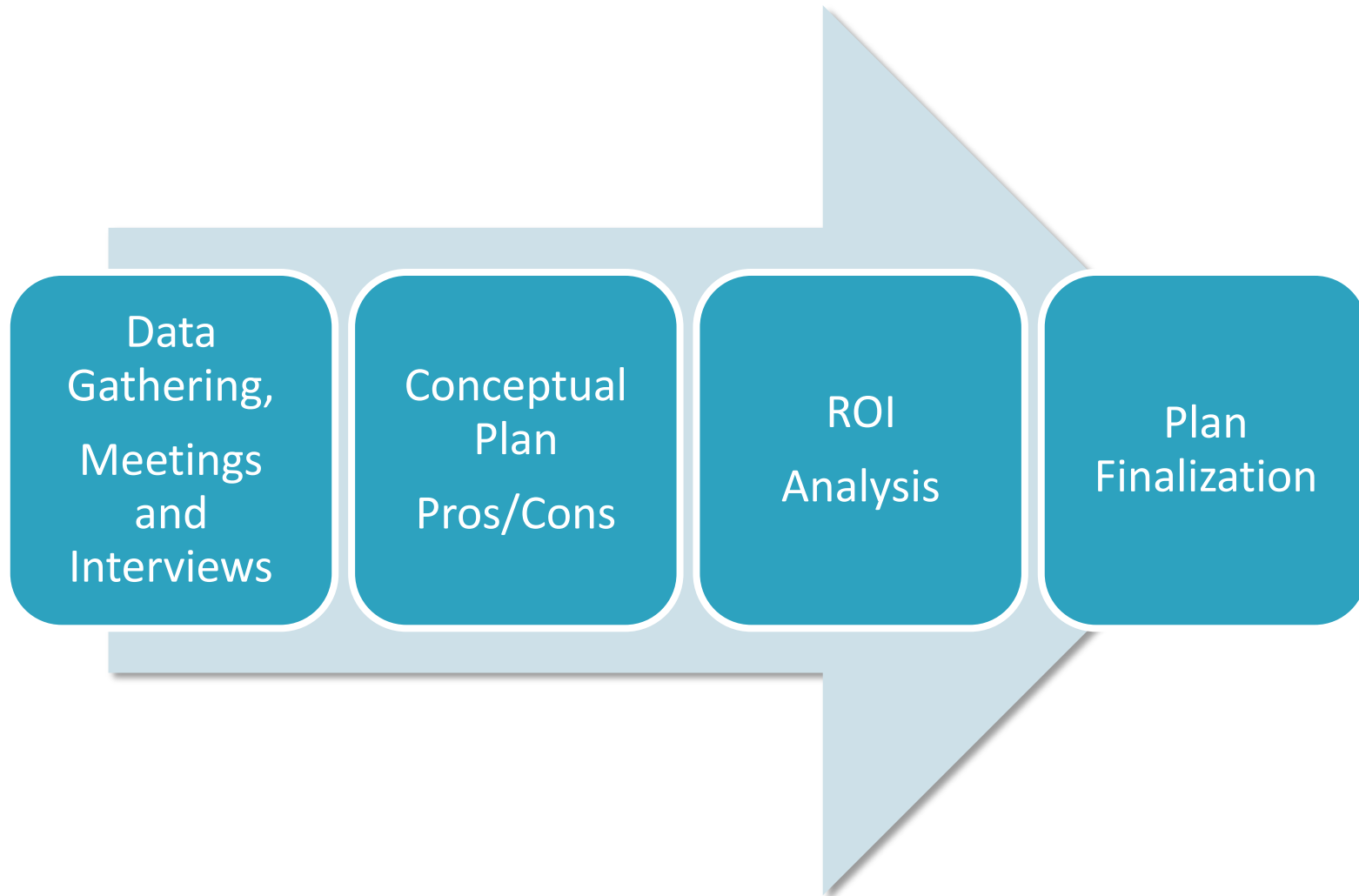
**Foster Collaboration** – Data sharing, staff sharing, infrastructure sharing, etc.



**Manage Regional** – Operation, Budget, Infrastructure

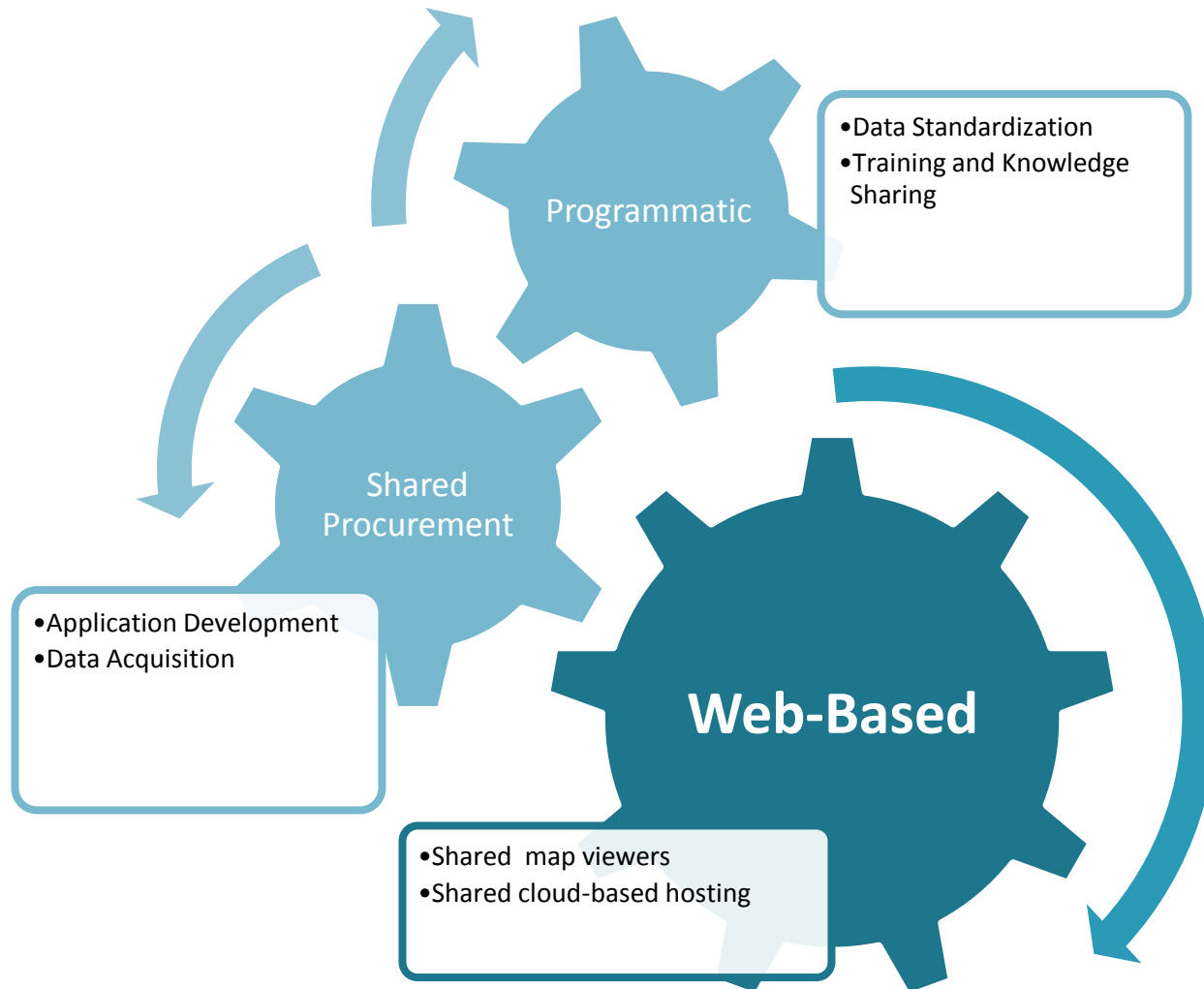
Costs, benefits, efficiency trade-offs

# PROJECT APPROACH



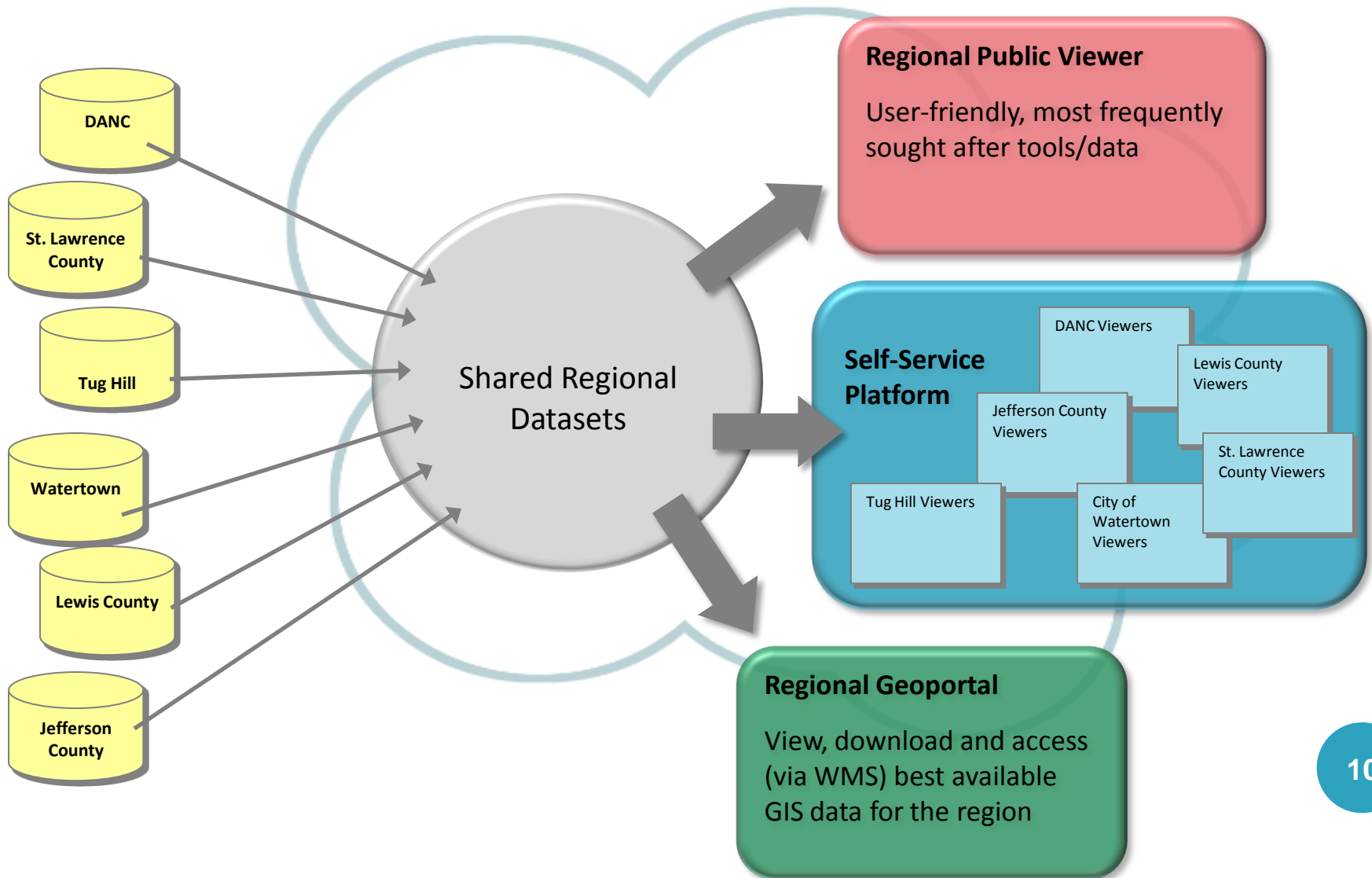


# RECOMMENDATIONS



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## WEB-BASED



10/17/06

# RECOMMENDATIONS CONT.

## ○ Programmatic

- Consistent Parcel Schema
- Training and Knowledge Sharing
- Utilize NYS GIS Resources
- GPS/Hardware Sharing
- Labor Sharing

## ○ Shared Procurement

- Mobile Application Development
- Vendor data collection (e.g. Pictometry)



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# WEIGHING BENEFITS VS COSTS

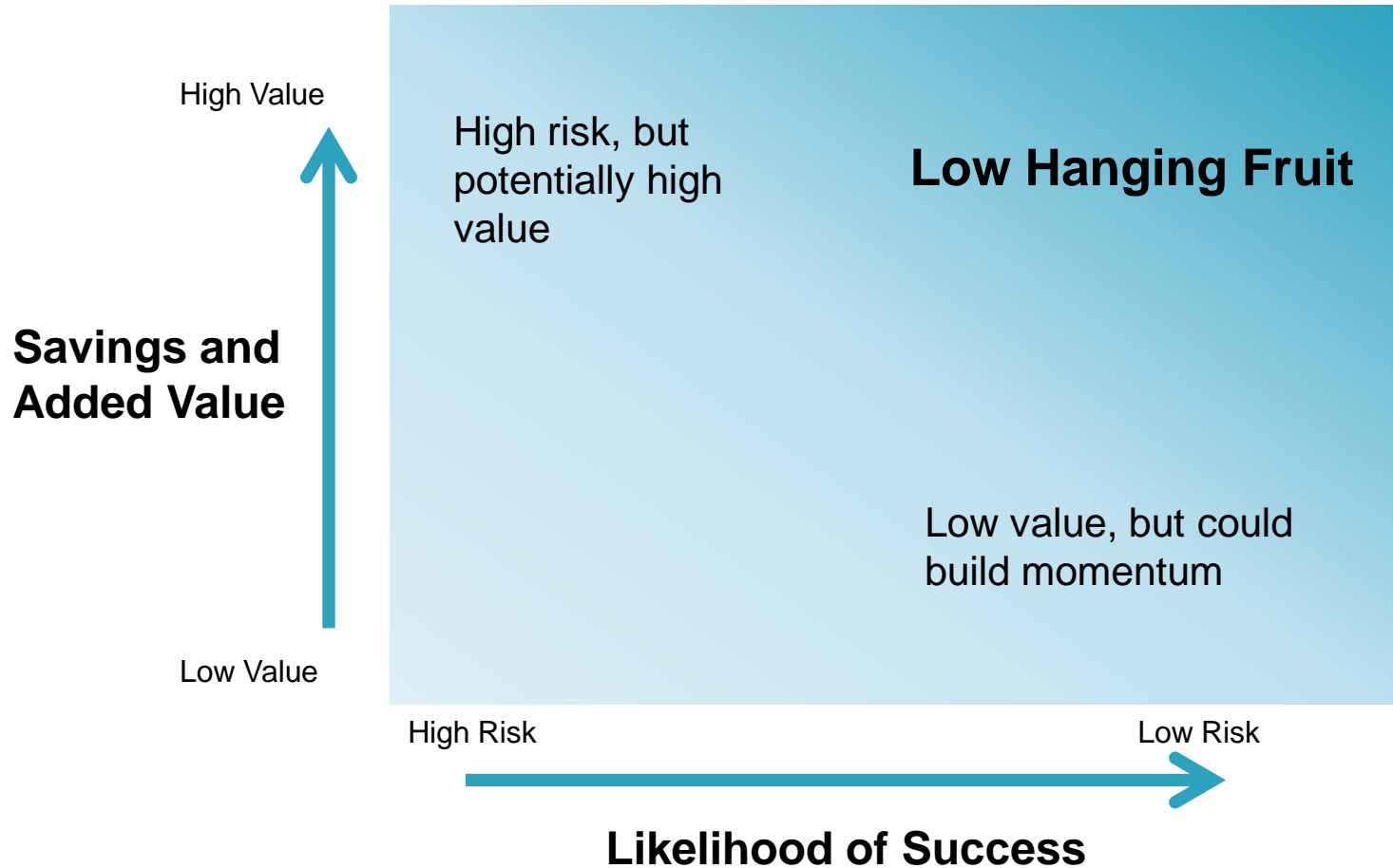
- Regional Viewer → increased access to GIS for the public, reduced counter visits, etc
- Self-service platform → easily deploy/update viewers, consistent platform across partners, cloud-hosting reduces need for onsite hardware maintenance
- Geoportal → increased data access, reduced data redundancy
- Consistent Parcels → improved data analysis and sharing across county boundaries, facilitates regional viewer

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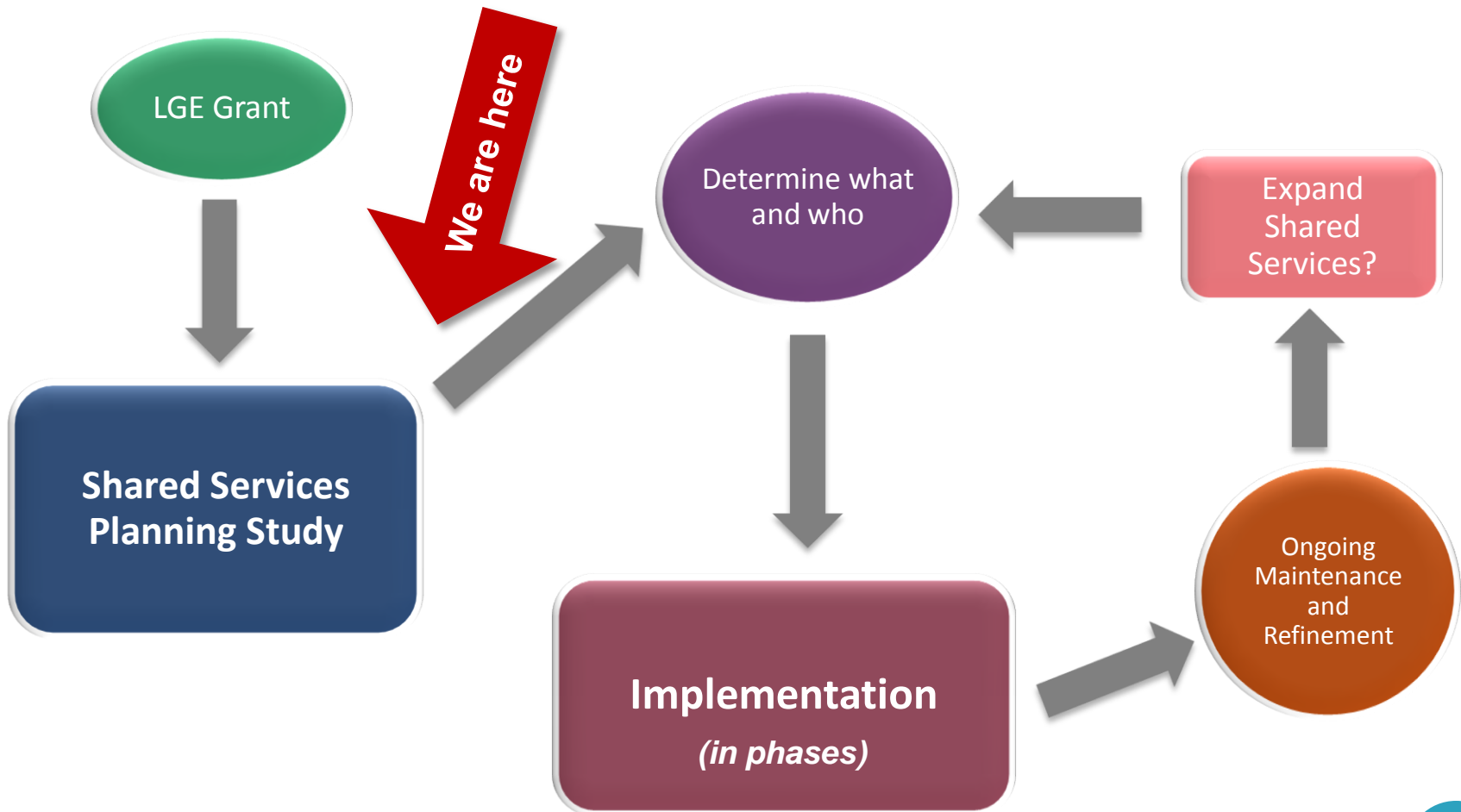
Summary of Estimated Savings	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
1. Regional Top 10 Web Viewer	\$0	\$13,500	\$13,500	\$13,500	\$13,500	\$54,000
2. Self-Service Viewer Platform	(\$6,379)	\$12,201	\$12,201	\$12,201	\$12,201	\$42,427
3. Regional Geoportal	\$7,578	\$15,978	\$15,978	\$15,978	\$15,978	\$71,492
4. Consistent Parcels	(\$5,800)	\$2,800	\$2,800	\$2,800	\$2,800	\$5,400
<b>TOTAL Annual Estimated Savings</b>	<b>(\$4,600)</b>	<b>\$44,480</b>	<b>\$44,480</b>	<b>\$44,480</b>	<b>\$44,480</b>	<b>\$173,319</b>
<b>Cumulative Annual Estimated Savings</b>	<b>(\$4,600)</b>	<b>\$39,879</b>	<b>\$84,359</b>	<b>\$128,839</b>	<b>\$173,319</b>	

# DETERMINE THE LOW-HANGING FRUIT





# THE BIG PICTURE



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# LESSONS LEARNED

- Communicate
- Partners will choose only the recommendations that are useful for them
- Set clear expectations for review process
- Details of implementation can cloud the goal of the planning study
- Communicate again

