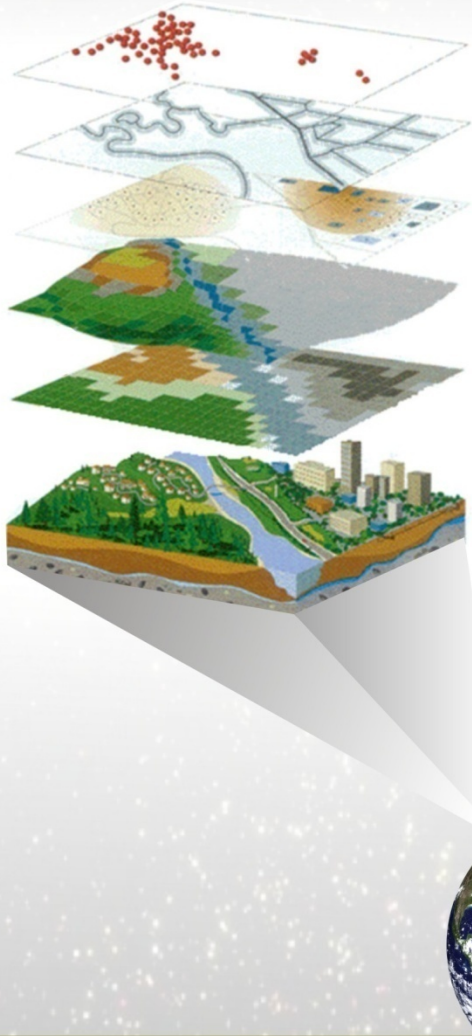
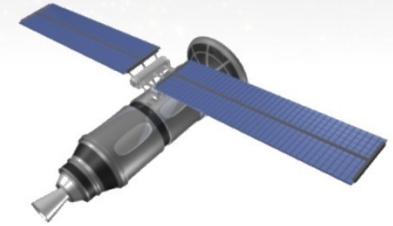


CORE ELEMENTS of a GIS LEADERSHIP MINDSET



Slides for the Closing Presentation
**GIS LEADERSHIP ACADEMY
URBAN AND REGIONAL
INFORMATION SYSTEMS ASSOCIATION**



DR. BARRY WELLAR. C.M., GISP

PAST PRESIDENT, URISA (1978)

PROFESSOR EMERITUS, UNIVERSITY OF OTTAWA

PRESIDENT, INFORMATION RESEARCH BOARD

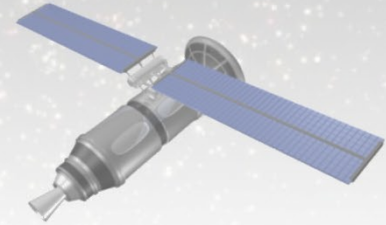
wellar.barry@gmail.com

<http://wellar.ca/informationresearch/>

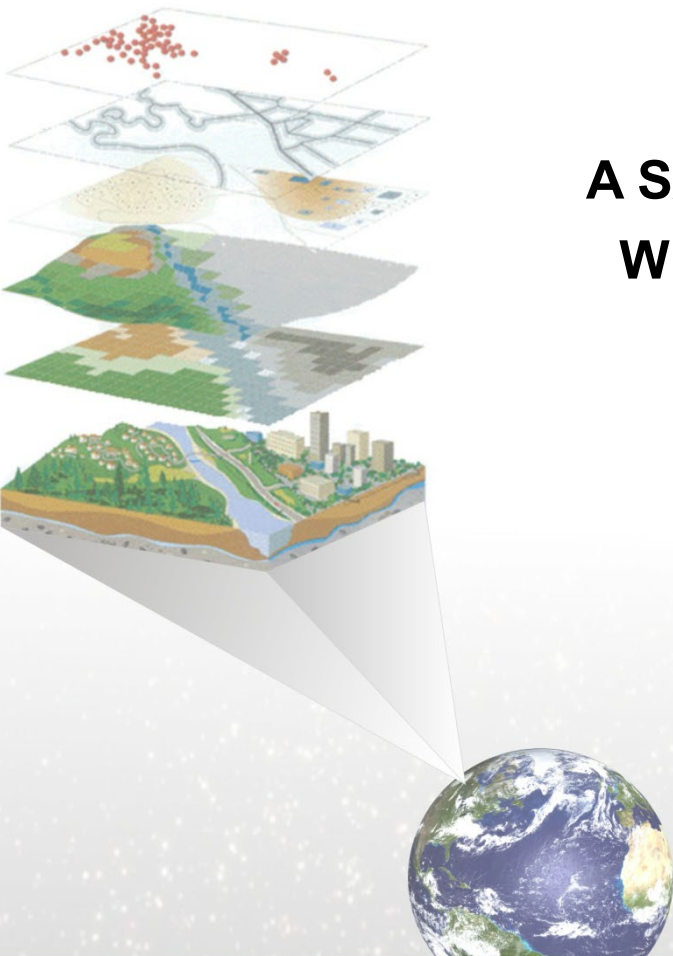


TORONTO, ONTARIO

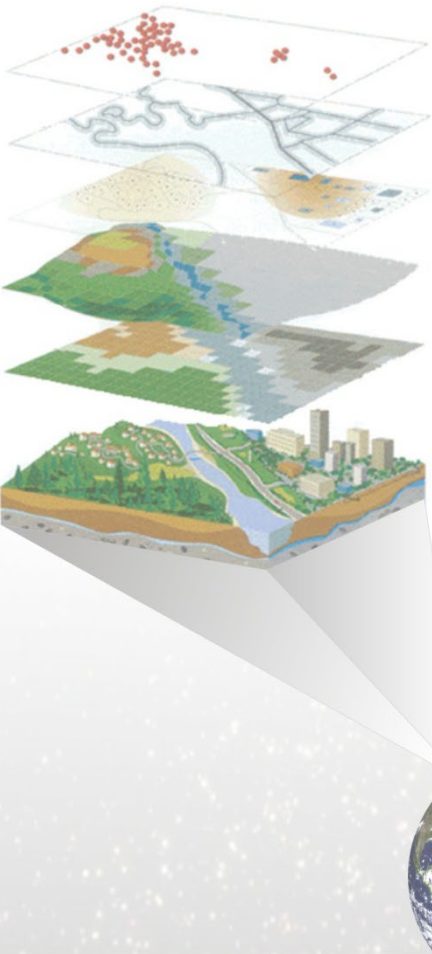
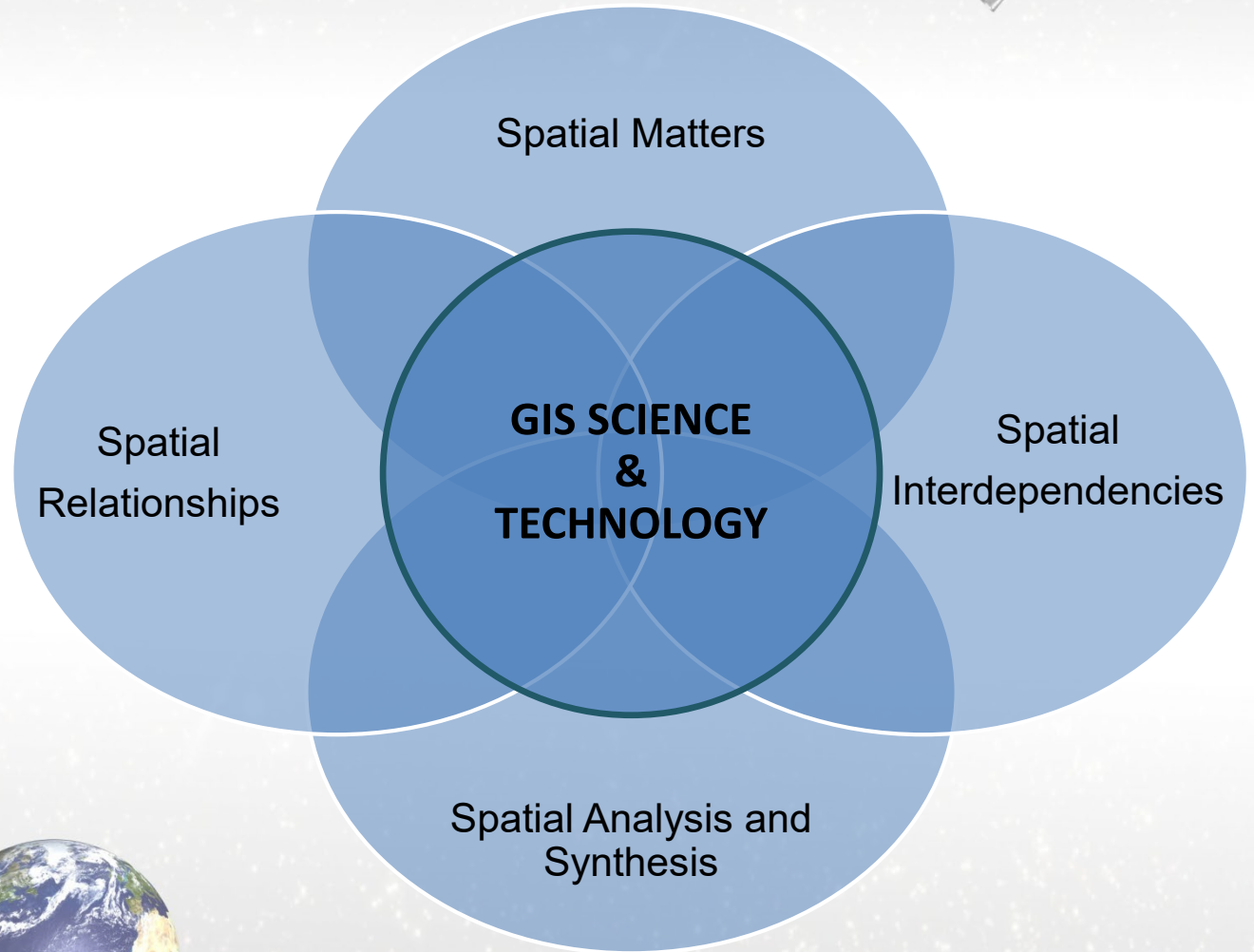
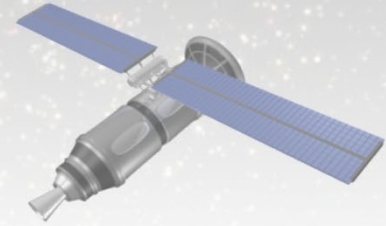
August 23, 2019



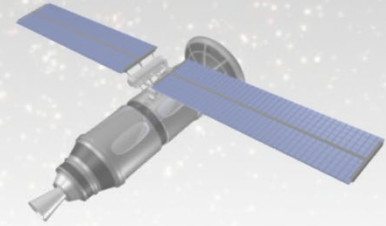
**A SAMPLER OF THINGS TO BEAR IN MIND
WHEN DEVELOPING A SET OF BELIEFS
TO GUIDE YOUR ROLE AS A
GIS LEADER**



MAPROSCOPIC PERSPECTIVE



**MAPROSCOPIC PERSPECTIVE:
OPEN TO ALL NON-TRIVIAL SPATIAL MATTERS,
ESPECIALLY ATTENTION GRABBERS**



Automated Vehicle Trips

Avalanches

Bike Path Traffic

Doomsday Air Pollution

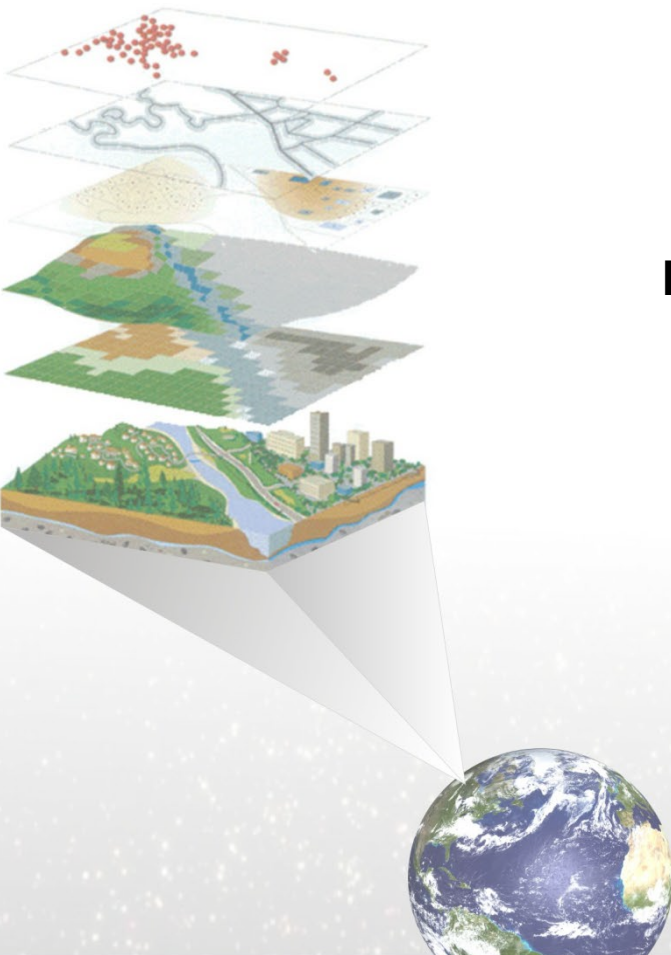
Doomsday Land Destruction

Doomsday Water Scenarios

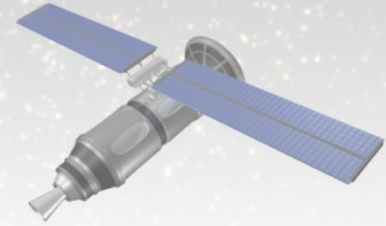
Fish Stock Depletion

Fish Stock Regeneration

Floodplains



**MAPROSCOPIC PERSPECTIVE:
OPEN TO ALL NON-TRIVIAL SPATIAL MATTERS,
ESPECIALLY ATTENTION GRABBERS (2)**



Floods

Greenspace Gain

Greenspace Loss

Hurricane Events/Impacts

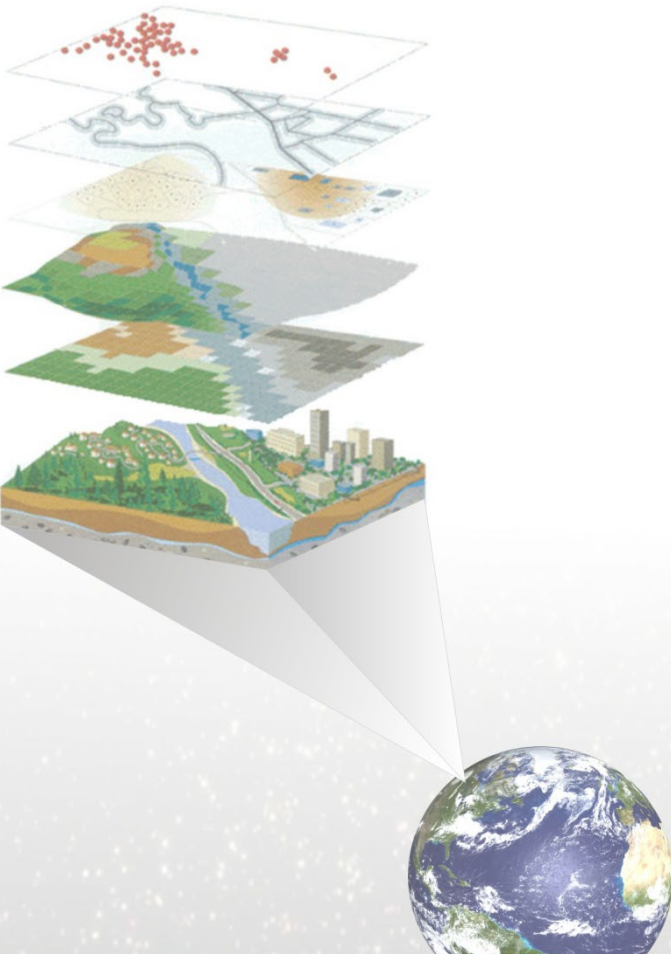
Landslides

Land Use Re-Zonings

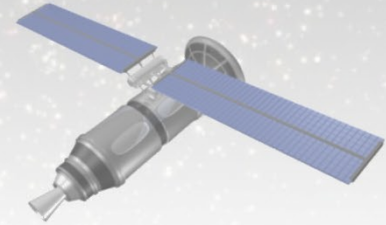
Natural Resource Stewardship

Property Tax Rates and Arrears

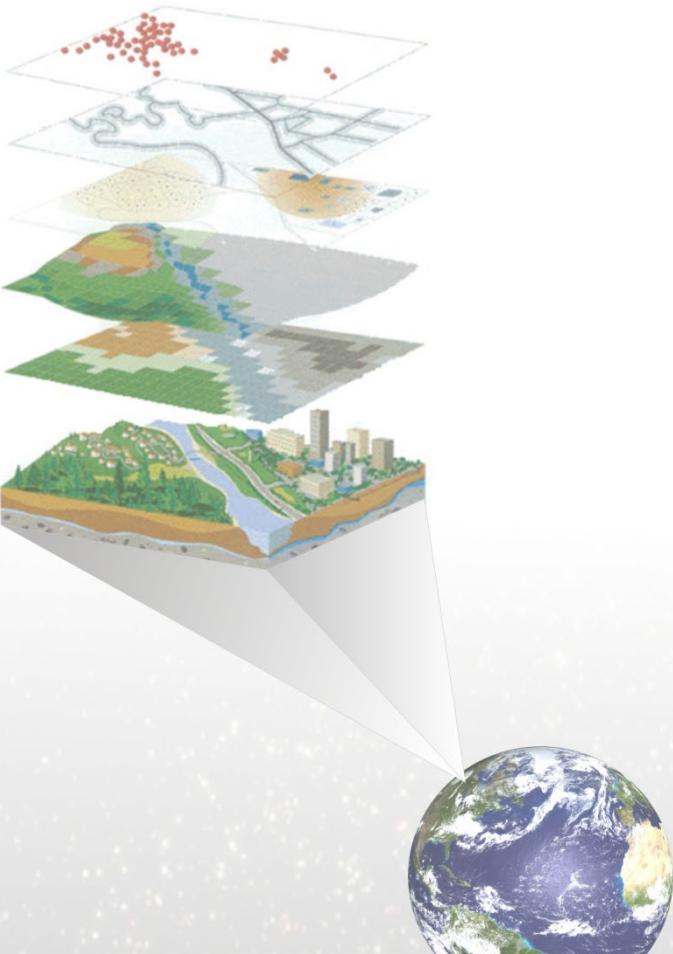
Road Intersection Performance



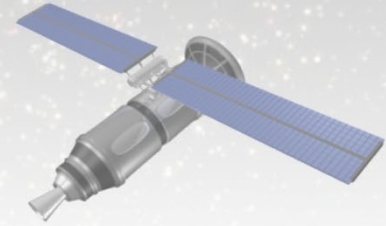
**MAPROSCOPIC PERSPECTIVE:
OPEN TO ALL NON-TRIVIAL SPATIAL MATTERS,
ESPECIALLY ATTENTION GRABBERS (3)**



Sensitive Lands Loss
Sidewalk Winter Maintenance
Tornado Patterns
Traffic Congestion
Traffic Enforcement Citations
Vehicle Collisions
Voter Turnout
Walkability
Water Resource Stewardship
Wildfires

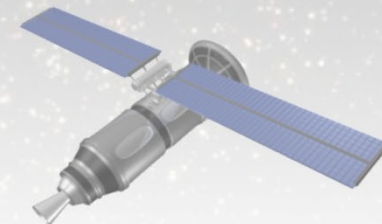


**PACE SETTER PERSONA:
ALL SIGNS POINT TO YOU AS
“THE GURU” OF GIS OPPORTUNITIES**



**POLICY SUPPORT
PROGRAM SUPPORT
PLANNING SUPPORT
OPERATIONS SUPPORT
LOGISTICS SUPPORT
MARKETING SUPPORT
ANALYTICS SUPPORT
MEDIA COMMUNICATIONS
CITIZEN ACCESS TO PUBLIC RECORDS**

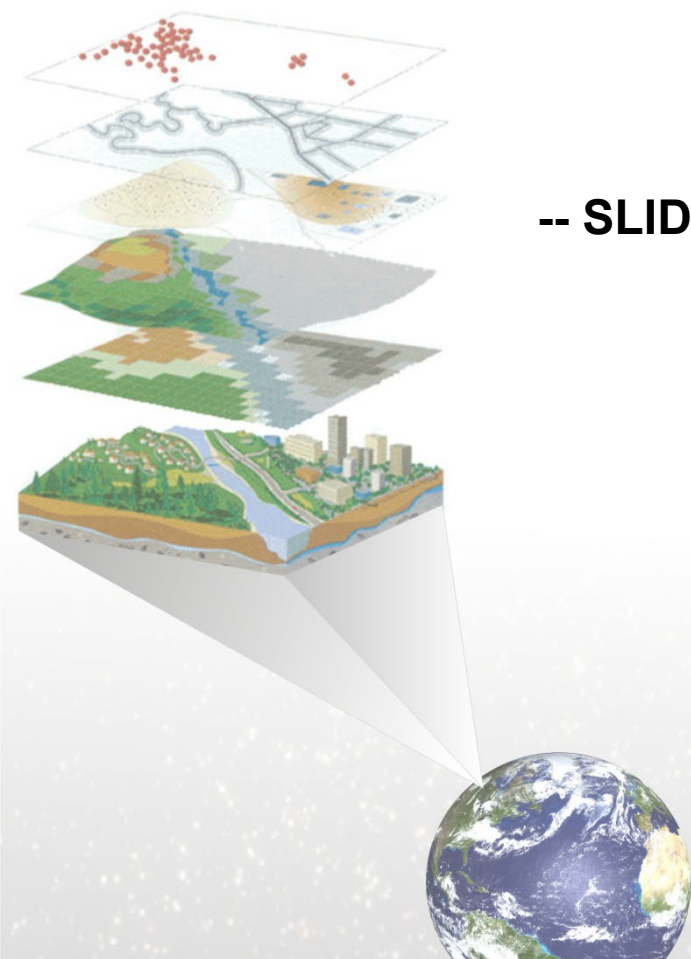




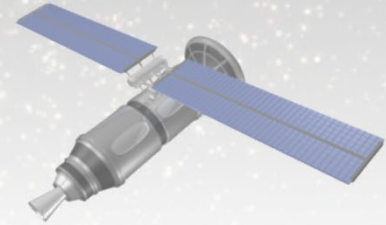
GIS-BASED PRODUCTIONS

-- SLIDES, IMAGES, GRAPHICS, PHOTOS, VIDEOS --

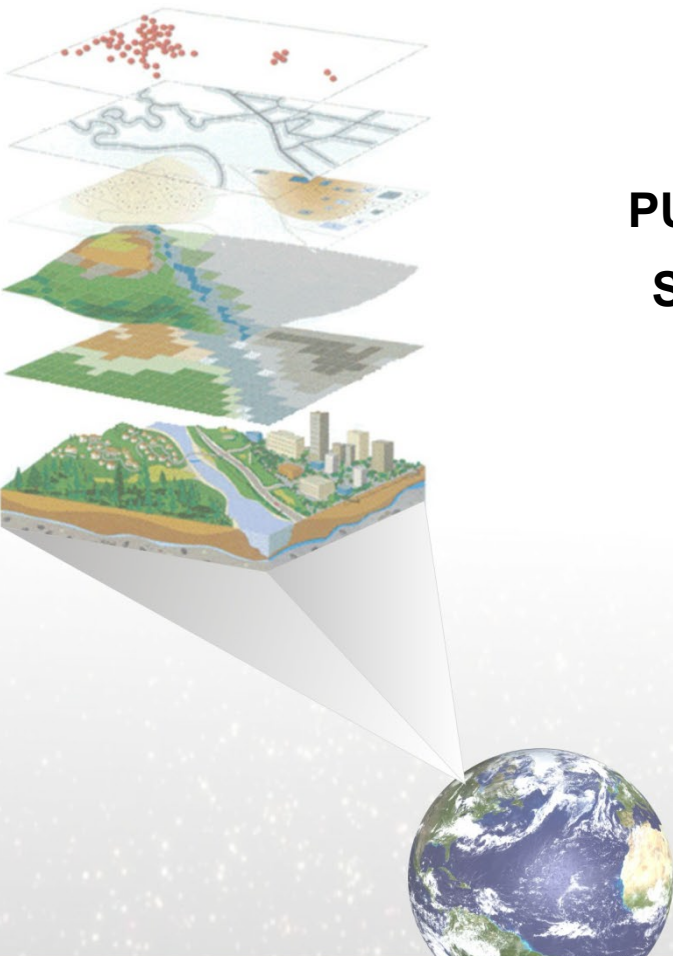
AS IMAGINATION GERMINATORS



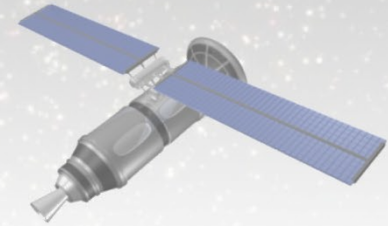
“PRIME THE PUMP” GIS AGENT



**PURPOSING DIRECTIVE MESSAGES THAT
SERVE AND PROMOTE THE USE OF GIS**

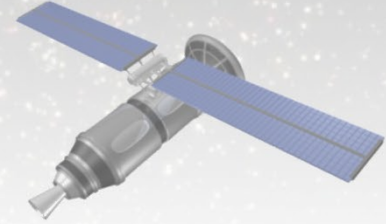


GIS “PRIME THE PUMP” EXAMPLE



**SUGGEST SPECIFIC CONFERENCES TO PEOPLE
WHO YOU WANT TO THINK ABOUT GIS PRODUCTS,
SERVICES, APPLICATIONS, FUNDING**

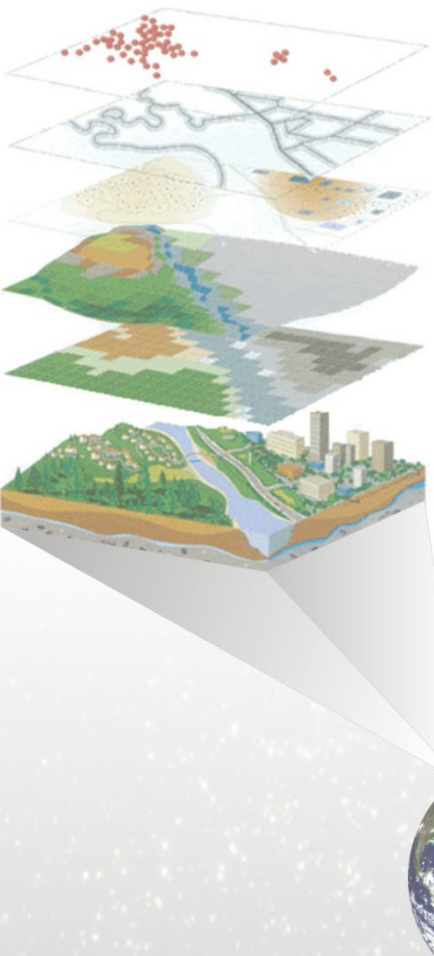


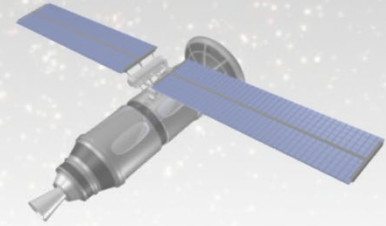


CURIOSITY-DRIVEN RESEARCH METHODOLOGY + CLIENT-DRIVEN RESEARCH DIRECTIVES

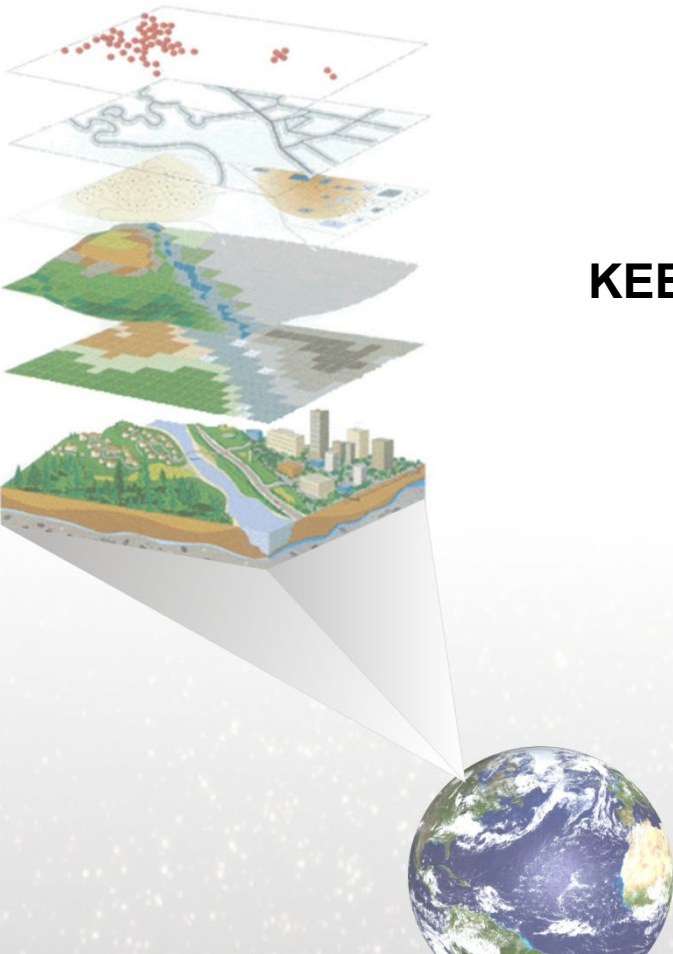
<https://www.igi-global.com/chapter/significant-advances-applied-geography-combining/63591>

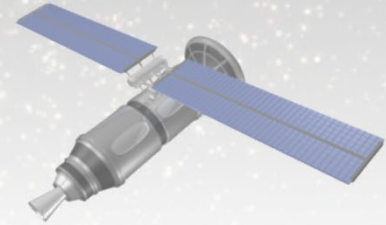
<https://www.semanticscholar.org/paper/Significant-Advances-in-Applied-Geography-from-and-Wellar/2d150ead6097ca193fcfc7888fb9f04ce41eb4c5>





**USING PILLARS TO HELP PEOPLE
KEEP THEIR HEADS, WHILE ALL ABOUT THEM
OTHERS ARE LOSING THEIRS**





PILLARS OF INFORMATION RESEARCH

(INFORMATION RESEARCH BOARD, INC.)

CITIZENS AND INFORMATION

INFORMATION RESEARCH METHODS

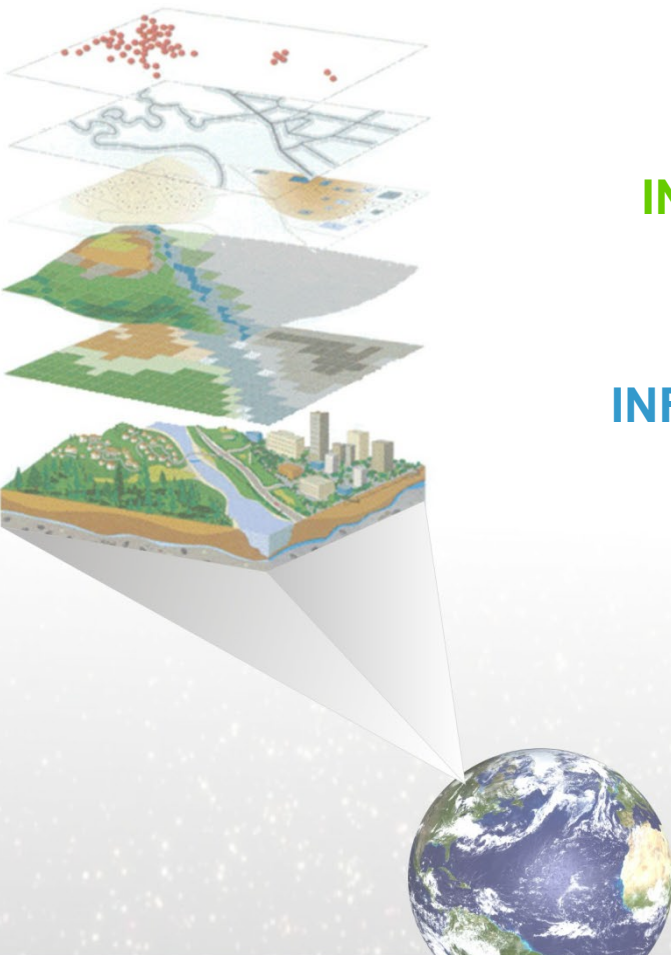
INFORMATION 'NOISE'

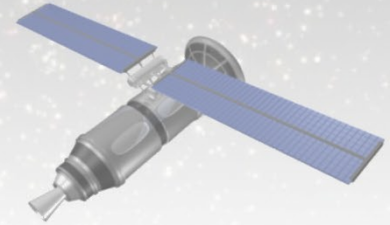
INFORMATION INFRASTRUCTURE

**INFORMATION POLITICS, POLICIES, and
PROGRAMS**

**INFORMATION ALTERNATIVES TO
GOVERNMENT RECORDS**

<http://wellar.ca/informationresearch/6Pillars.html>

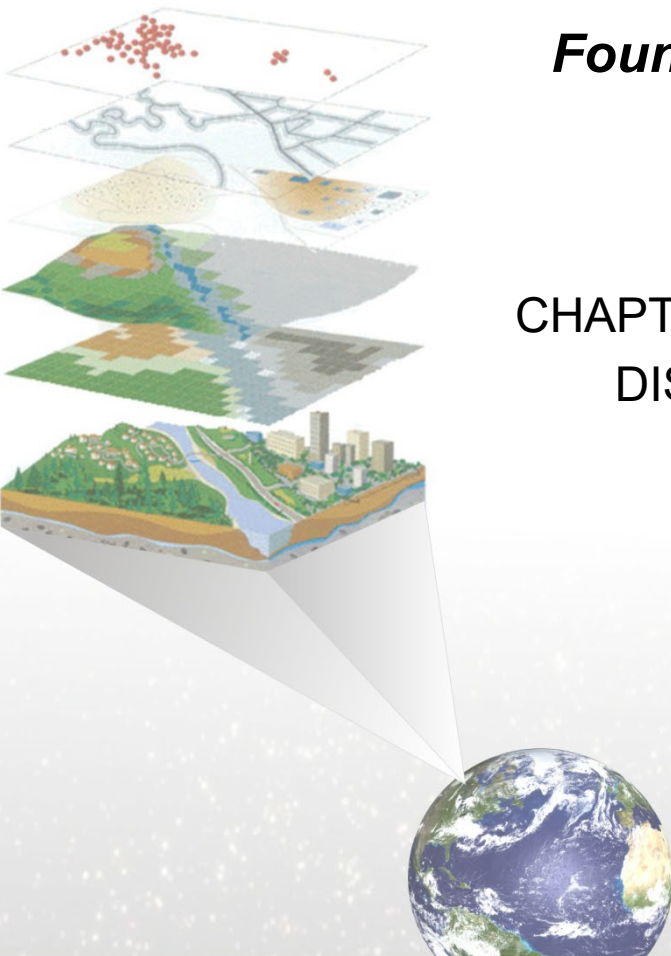


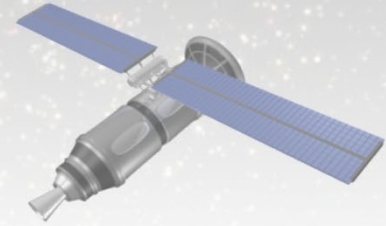


Foundations of Urban and Regional Information Systems and Geographic Information Systems and Science

CHAPTER 1, TABLE 1. AN INDICATIVE LIST OF DOMAINS
DISCUSSED IN URISA PROCEEDINGS PAPERS:

200 DOMAINS IN 2012

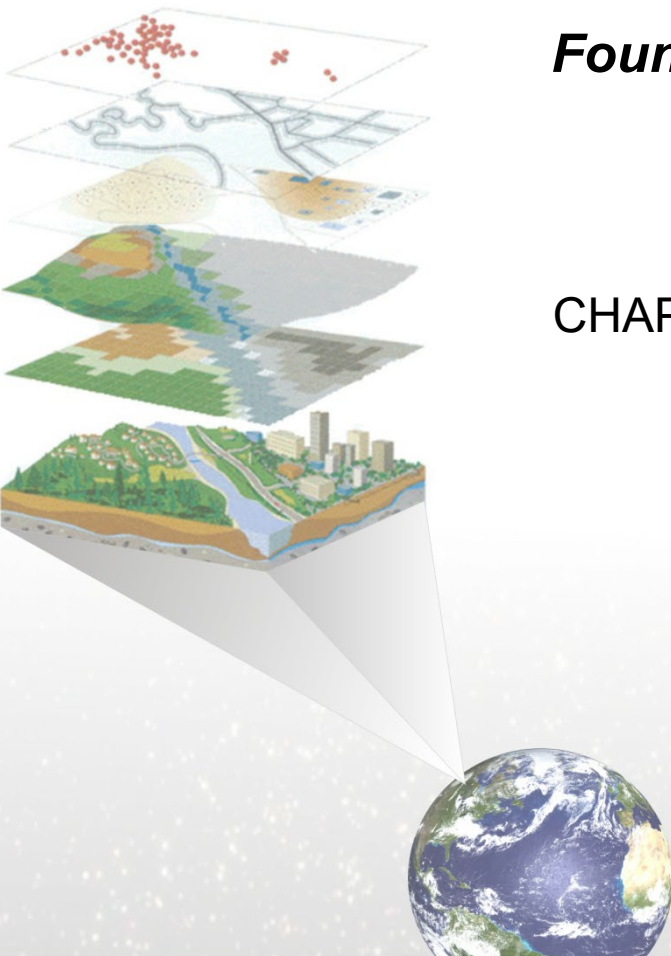


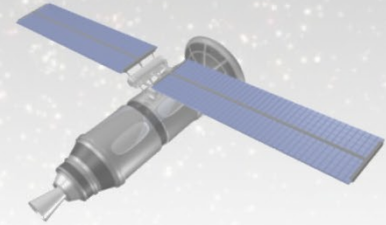


Foundations of Urban and Regional Information Systems and Geographic Information Systems and Science

CHAPTER 10, TABLE 2. SPECIAL INTEREST GROUPS

46 SIGs IN 2012

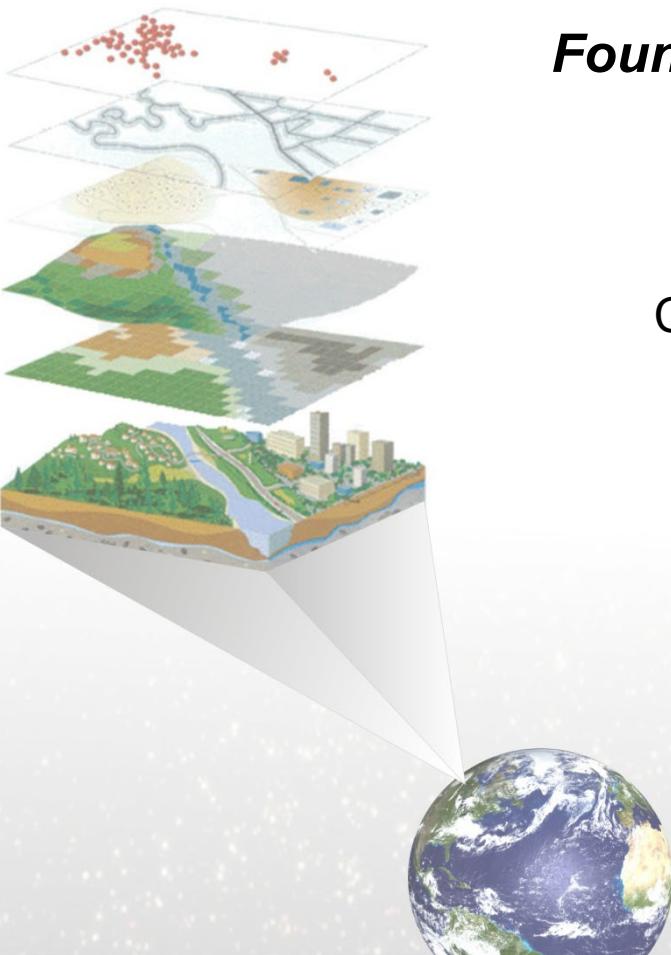


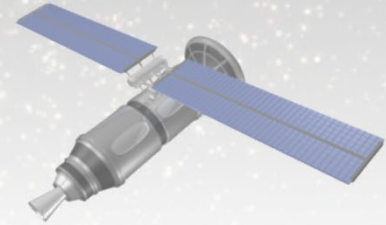


Foundations of Urban and Regional Information Systems and Geographic Information Systems and Science

CHAPTER 11, TABLE 3. PARTIAL LISTING OF
URISA WORKSHOPS

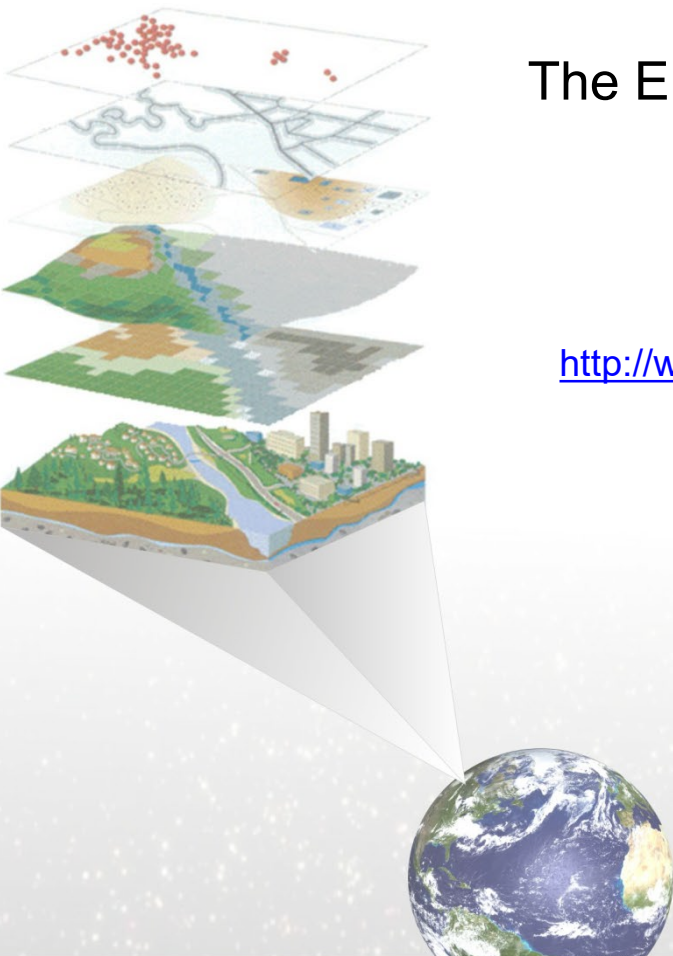
208 WORKSHOPS IN 2012

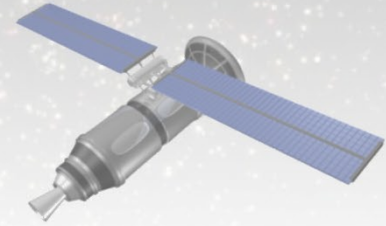




The Emergence of Geographic Information Systems
as a Core Public Policy Research Tool:
Comments on the **Paradigm Shift**

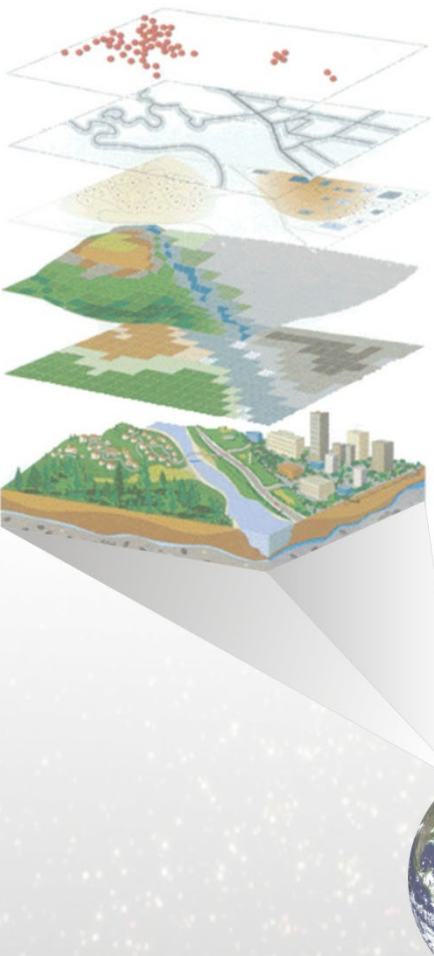
http://wellar.ca/wellarconsulting/FLDC_Presentation_Wellar_FINAL.pdf



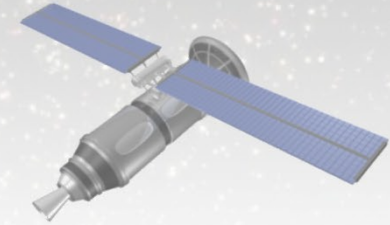


Thoughts about Creating **New** Risk Assessment Paradigms
to Demonstrate How Geographic Factors Affect
the Human Impacts of Natural Disasters

<http://www.wellar.ca/wellarconsulting/RotaryPresentation.pdf>



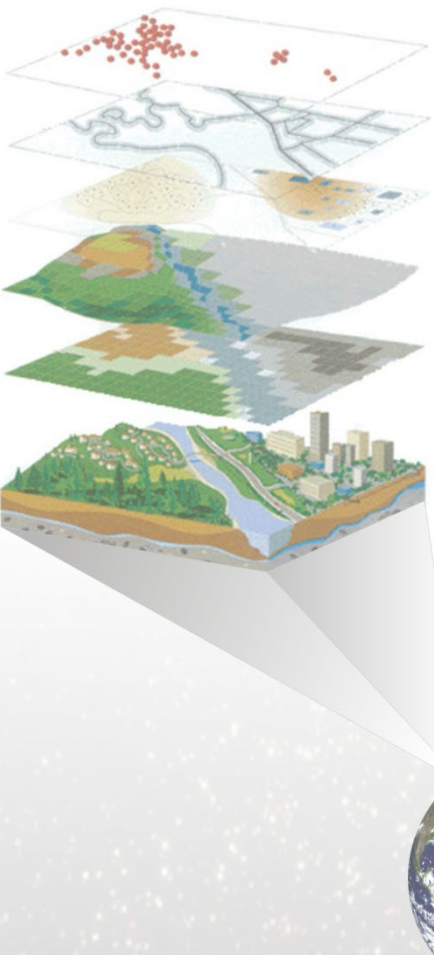
LEGACY ELEMENTS: PERSONAL, PROFESSIONAL, COLLEGIAL



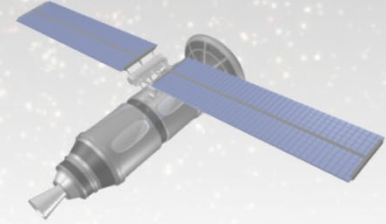
IN CONCLUSION, I BELIEVE THAT IF THESE KINDS OF CONSIDERATIONS ARE PART OF YOUR MINDSET AS YOUR CAREER UNFOLDS, THEN YOUR PERSONAL, PROFESSIONAL, AND COLLEGIAL LEGACIES WILL TESTIFY TO YOUR ROLE AS A GIS LEADER.

GIS PROSPECTIVE  **GIS RETROSPECTIVE**

http://wellar.ca/wellarconsulting/COLLOQUIUM_PROCEEDINGS.pdf



ACKNOWLEDGEMENT



I wish to thank Sam Herold, Technical Advisor, Information Research Board, for his invaluable advice on slide content, and on the design features of the slide deck. We have collaborated on many reports, presentations, and postings over the past **15 years**, and I am grateful for Sam's assistance in preparing *Core Elements of a GIS Leadership Mindset* for the 2019 URISA GIS Leadership Academy meeting in Toronto.

