POINTS, LINES, & POLYGONS IN CHARGE: GIS' MANIFEST DESTINY

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MANIFEST DESTINY

THE CONCEPT THAT THE US SHOULD STRETCH FROM SEA TO SHINING SEA

AMERICA 1800 - 16 States

NORTH AMERICA 1800

LIMITED GEOGRAPHIC EXPANSION

US: 1793 - 1854

THE CONCEPT OF LIMITED GEOGRAPHIC EXPANSION WAS NOT JUSTIFIED

GIS' MANIFEST DESTINY:

THE CONCEPT THAT THE TECHNOLOGY WILL OCCUPY A PLACE FAR BEYOND ITSELF AND BECOME AN OVERRIDING TECHNOLOGY

THE CONCEPT OF A LIMITED GIS EXPANSION MIGHT BE JUSTIFIED BY SOMEONE LOOKING AT THE TECHNOLOGY FIELD TODAY

HOWEVER...

LIKE THE CONCEPT OF THE US' FUTURE SIZE VIEWED IN 1800, GIS' EXPANSION CANNOT BE LIMITED BY TODAY'S VISION

A TRUE VISION OF GIS ENCOMPASSES

EVERYTHING
EVERYWHERE
FOR ANYONE
ANYWHERE
AT ANYTIME

WHERE WE ARE

WHERE WE ARE

GISP CERTIFICATIONS TO DATE – 4,648

2010 - 115
2009 - 1449
2008 - 1312
2007 - 544
2006 - 400
2005 - 420
2004 - 381
2003 - 25

WHERE WE ARE

GIS MEMBERSHIPS – PROFESSIONAL SOCIETIES

2010

AAG – 7,288 (IN US)
URISA – 1449
GITA – 1312
NSGIC – ?
UCGIS – ?
ASPRS ~ 5500
GISP – 4,648

WHERE WE ARE:

GIS COURSES IN GEOSPATIAL EDUCATION

2010 - 1,175 COMMUNITY COLLEGES TOTAL

- 445 (38 %) OFFER AT LEAST ONE GEOSPATIAL COURSE
- 145 (12 %) OFFER A CERTIFICATE PROGRAM
- 69 (6 %) OFFER AN ASSOCIATE DEGREE

1995 - ONLY 6 COMMUNITY COLLEGES HAD A GIS PROGRAM

Johnson, A.; *Geospatial Education at U.S. Two-Year Institutions*; Submitted for publication in Unwin, Foote, Tate and DiBiase (in preparation)

The US Dept of Labor recognizes Geospatial Technology (GST) as one of 14 existing or emerging industries that are being transformed by technology and innovation and requiring new skill sets for workers.

A Plan for the National Coordination of Geospatial Technology Education from a Community College Perspective; 2008

Media analyst Sam Whitmore points to geolocation as the most exciting and disruptive force in technology today

www.ideasproject.com; accessed 5/19/10

GIS as a mature technology?

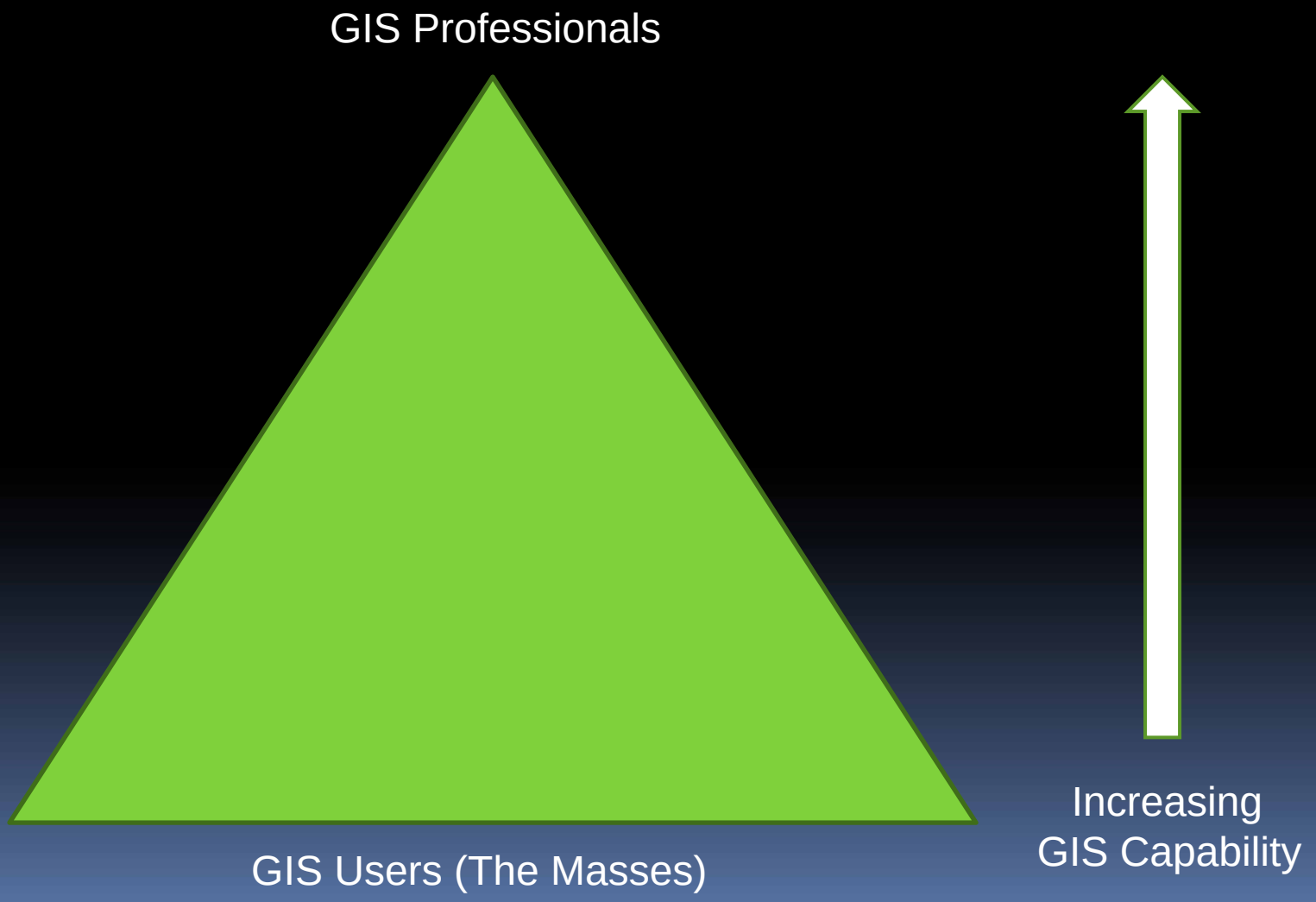
This has been discussed since 1994, at least:

GIS in Business: Tools for Marketing Analysis.
(Toppen & Wapenaar; EGIS Foudation. www.libraries.maine.edu; accessed 5/19/10)

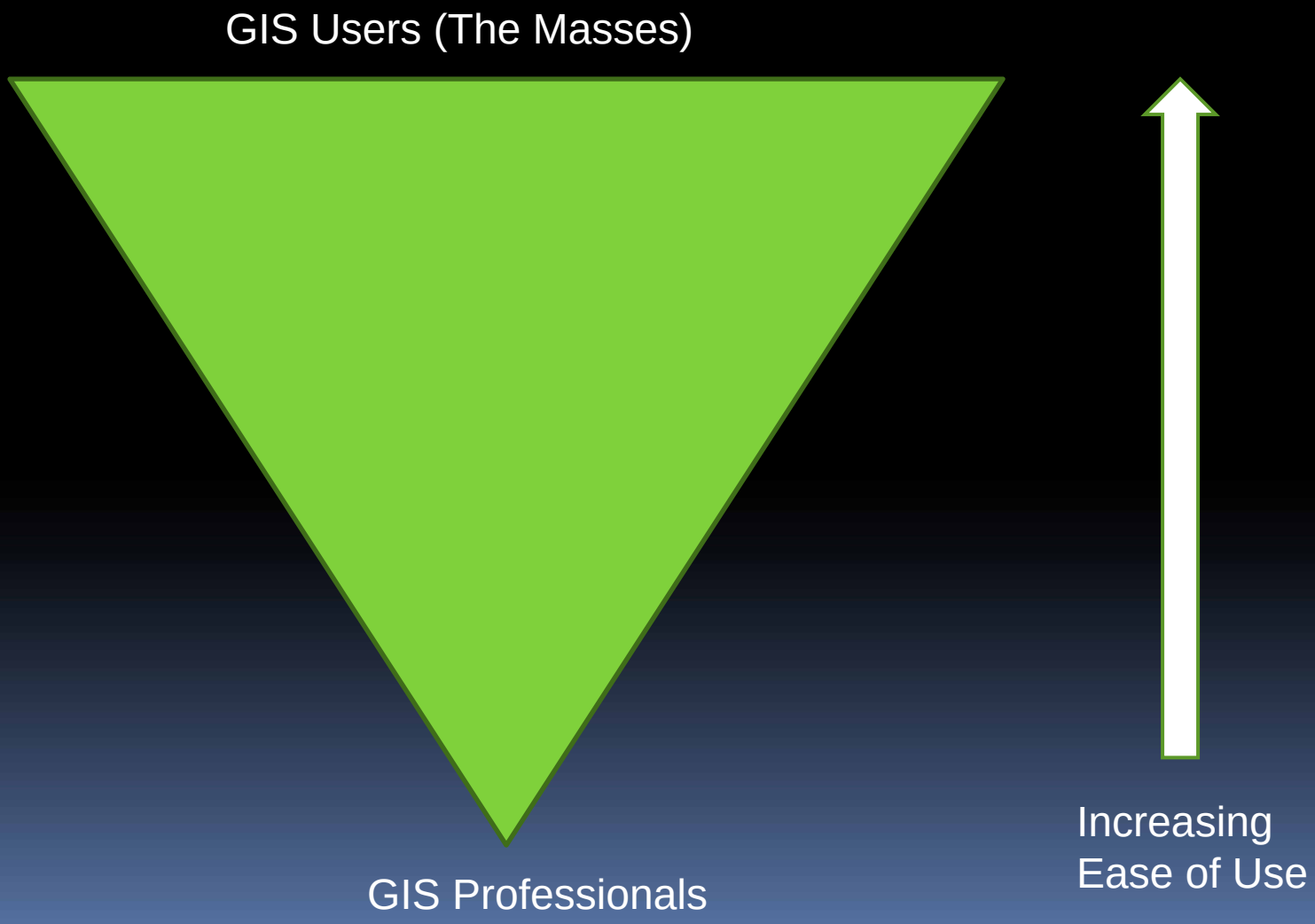
GIS HAS MATURED, BUT IT HAS NOT REACHED MATURITY!

THERE IS STILL MUCH GROWTH, CHANGE, AND EXPANSION THAT WILL TAKE PLACE OVER THE NEXT GENERATION

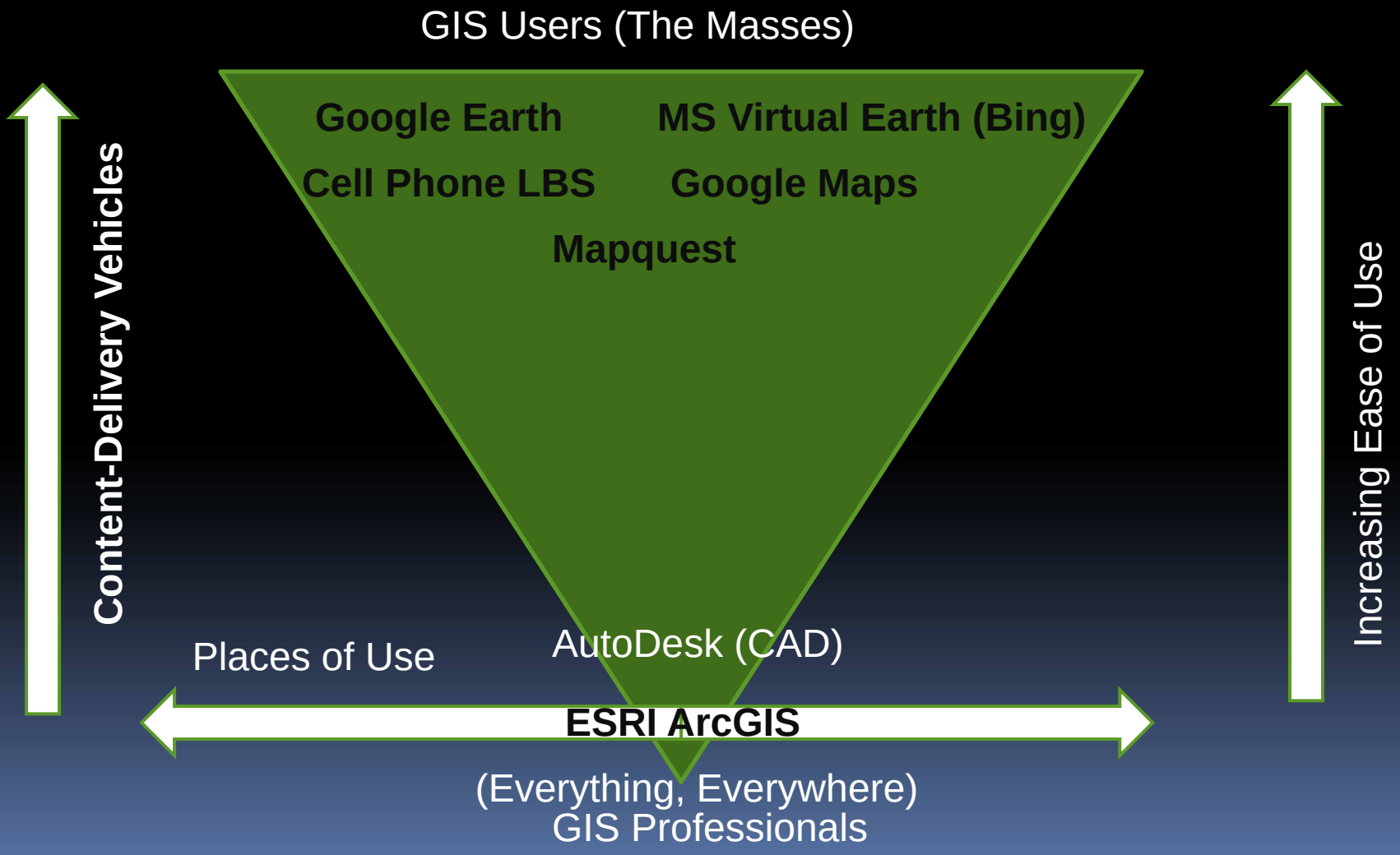
THE NORM: UP IS BETTER



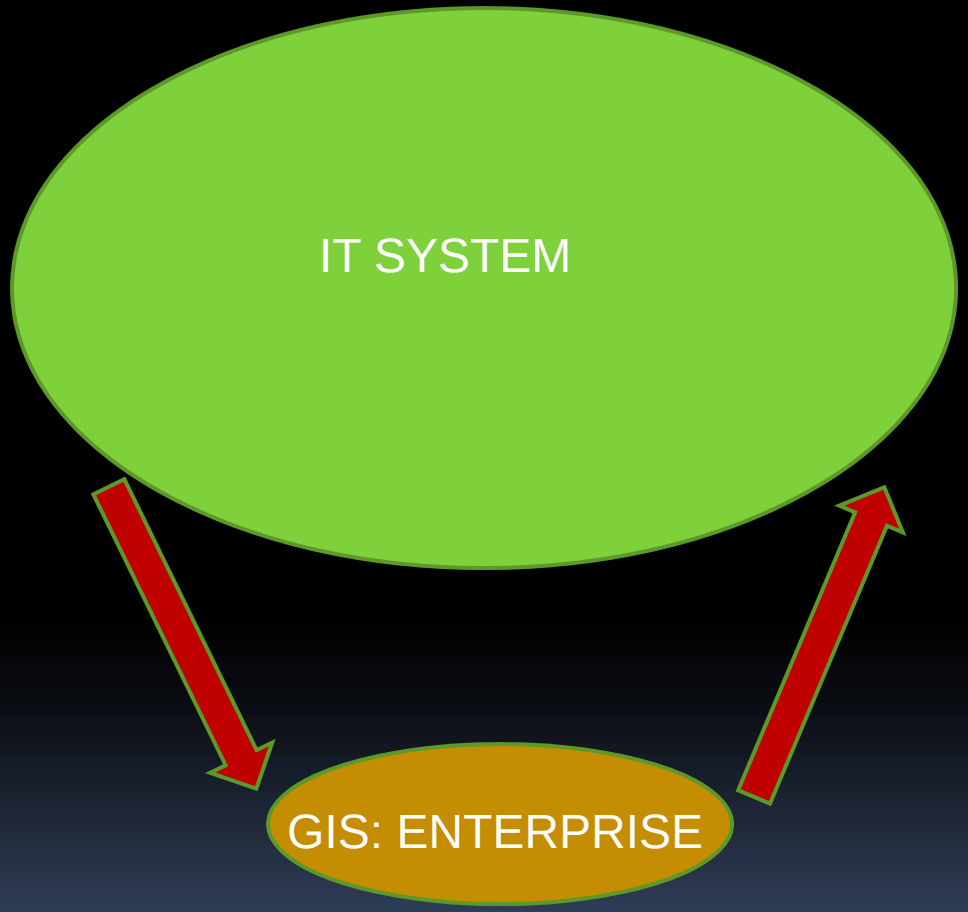
REVERSE THE PYRAMID: UP IS BETTER!



REVERSING THE PYRAMID IS THE KEY TO THE GIS GROWTH OVER THE NEXT GENERATION

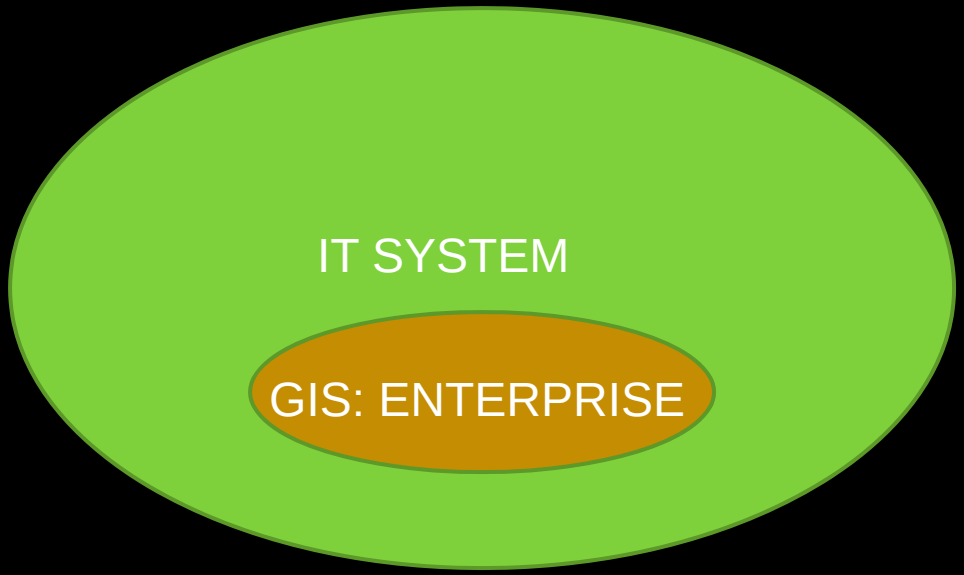


GIS SETUP – TYPICAL ARRANGEMENT



CONNECTED, BUT OUTSIDE THE SYSTEM

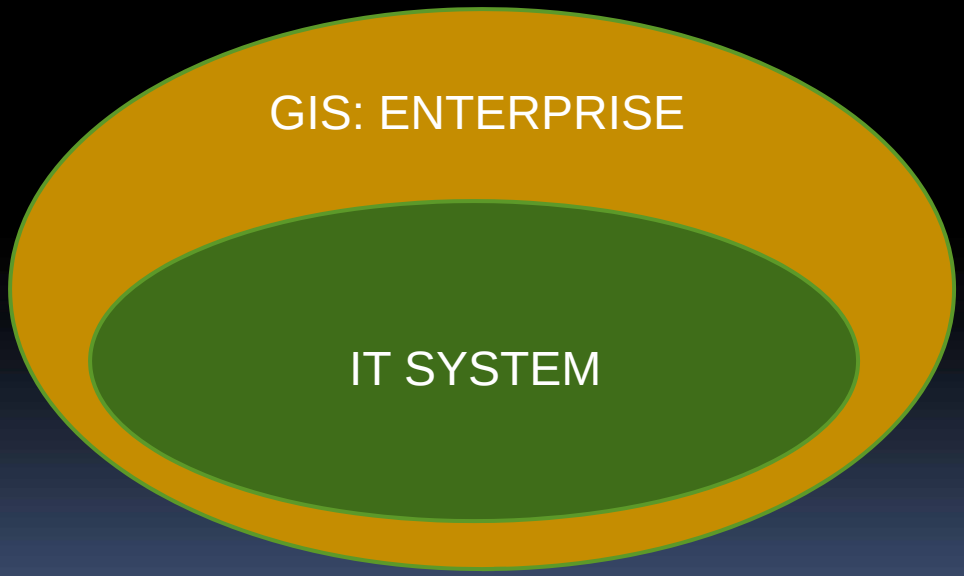
GIS SETUP – A BETTER ARRANGEMENT



INTEGRATED INTO THE SYSTEM

GIS : GIT - THE FUTURE?

GIS: EVERYTHING, EVERYWHERE, ANYTIME, FOR ANYONE



SERVER, DESKTOP, WEB, HOSTED, CLOUD

Where We Are Going:

Future GIS Configurations

BUSINESS INTELLIGNCE:

An umbrella phrase that covers all the technologies and capabilities used to gather facts about the business, present those facts in a way that makes relationships clearer, and allow manipulation of those facts to project “what if” scenarios—all intended to help guide better decision making.

TERM FIRST USED IN 1958
BI PULLS DATA TOGETHER AND CORRLEATES IT

JONES, DON, SERIES ED. *The SHORTCUT GUIDE TO ACHIEVING BUSINESS INTELLIGENCE IN MIDSIZE COMPANIES*. IBM; REALTIME PUBLISHERS.

BUSINESS ANALYTICS:

A term generally used to cover the analysis conducted upon information collected from a business intelligence application.

GIS IS NOW BEING USED TO PROVIDE A PLATFORM FOR VIEWING AND MANIPULATING DATA CAPTURED FROM BOTH TECHNOLOGIES

THE CLOUD:

A term generally used to the connected server applications and associated software spread across the Internet.

GIS IS NOW BEING INCREASINGLY PUSHED INTO THE CLOUD, PROVIDING THE NEXT SURGE OF DISRUPTIVE TECHNOLOGY INCREASE!

THE ORIGINAL QUESTION:

IS THE END OF THE GIS EXPANSION IN SIGHT?

NO!

GIS & IT: A MARRIAGE MADE IN HEAVEN!

NOW, A NEW QUESTION:

WHO PROPOSES
AND
WHO ACCEPTS???

GIS AT THE TECHNOLOGY GATES:

THE GENGHIS KAHN SCHOOL OF TAKEOVER

THANK YOU!!!