



Perform. Xcel. Lead.

Presenter

Raghavendran S

GM Technical (GIS)

About PIXEL



- Incorporated in 1996
- HQ in Bangalore, India, Offices in Delhi and Chennai
- Subsidiary company PIXEL Softek, Inc. based in Atlanta, USA
- 200+ employees, most with GIS / IT background
- Technical staff from varied domains
- ISO 9001:2008, CMMI Level 3 certification
- Focus on customer-specific IT / GIS solutions using industry-standard technology platforms
- Competitive cost structure with sustained QA / QC standards
- Clients include major companies and public organizations in India, US and APAC

Technology Portfolio



Utility Network Design/Mapping







CORPORATION





Geospatial





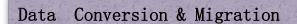












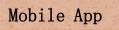


AUTHORIZED PARTNER

Satellite Imagery & Processing











Geospatial Intelligence



- Geospatial intelligence is about timely collection, exploitation and analysis of geospatial data, including sensor data, imagery etc to maximise operational capabilities, assess risk and informed decision-making.
- The ability of GIS to add spatial perspective to any data being analysed or monitored is the key to geospatial intelligence.

Geospatial Intelligence



- Geospatial intelligence is a critical component in today's complex operations of the intelligence, defence and law enforcement communities.
- "Data is Power" and a key component that drives any geo-intelligence solution.

Geospatial Intelligence



"Right Information"

at the

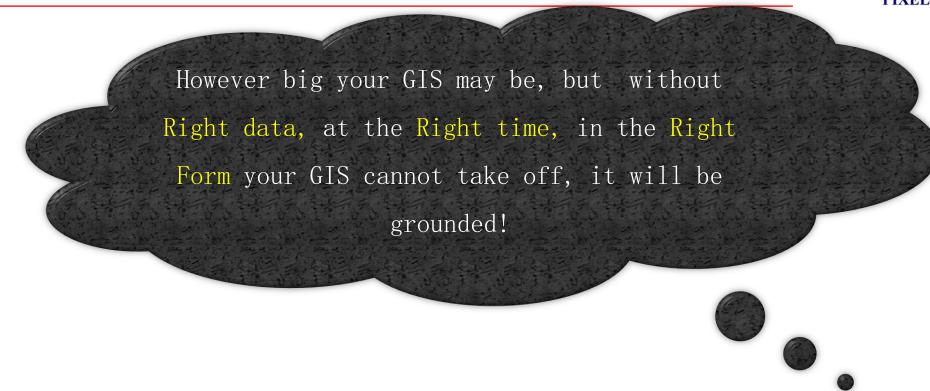
"Right Time"

in the

"Right Form"

Data is POWER





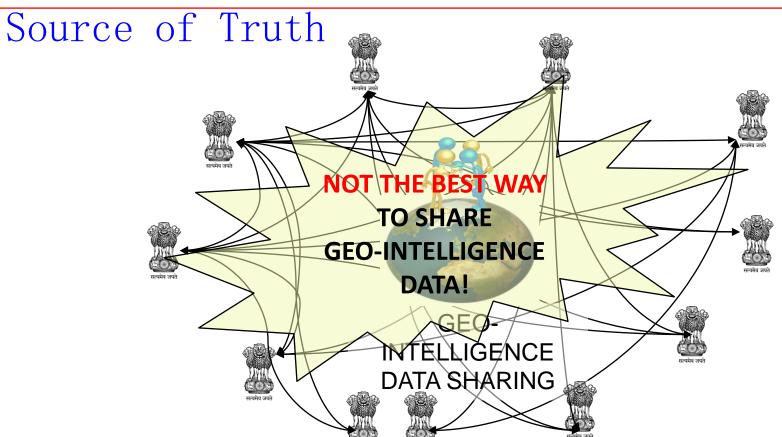
GIS interoperability



To fully realize the capability and benefits of geographic information and GIS technology, systems need to be interoperable, even though different agencies are on different GIS platforms and therefore file formats and data models

Geo-intelligence data sharing: Single





GIS Interoperability



GIS interoperability is the ability to integrate or exchange information between different components of any geospatial (intelligence) solution, even though different agencies are on different GIS platforms and therefore file formats and data models



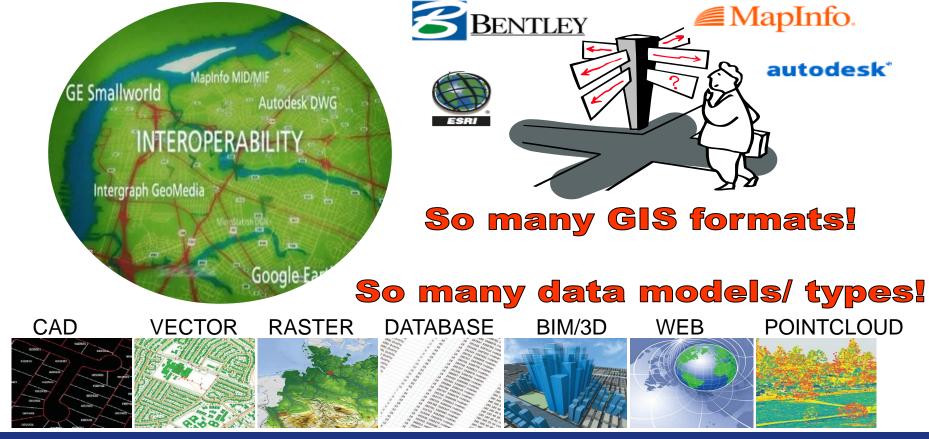






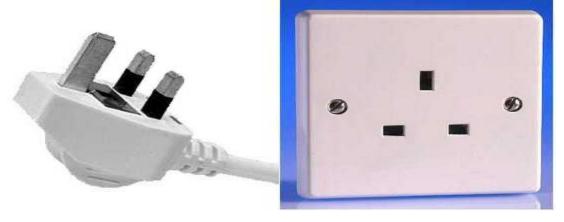
One size does not fit all!









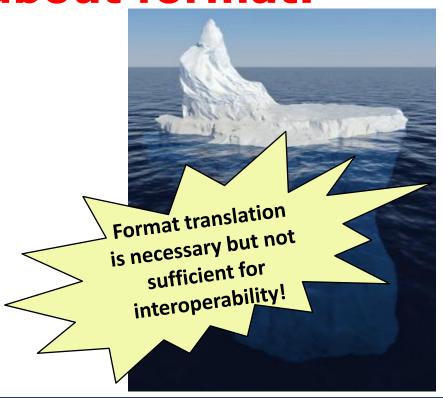


It isn't just about format!



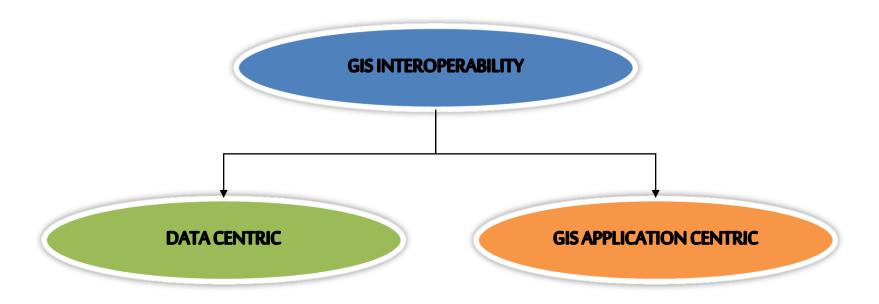
It isn't just about format!

- Data format
- Data model
- Schema
- Data quality issues
- Content issues
- Coordinate/Projection issues
- Data sharing framework
- Data sharing policy
- Semantics...



GIS Interoperability: The right approach





Welcome to this new GIS world!



Where format's don't matter ©



Rise above GIS file format barriers and achieve total spatial data



ALCHEMY.

FEATURE MANIPULATION ENGINE

FME (Feature Manipulation Engine)
a spatial ETL (Extract, Transform & Load) tool from
Safe Software, Inc., Canada



FME: Formats don't matter!





You name the format...Support for over 325+ CAD/ GIS/Database/Web formats (including several OGC formats)

Geospatial

•SHP

SHP

MAPINFO TAB

MID / MIF

MAPINFO TAB

MID / MIF

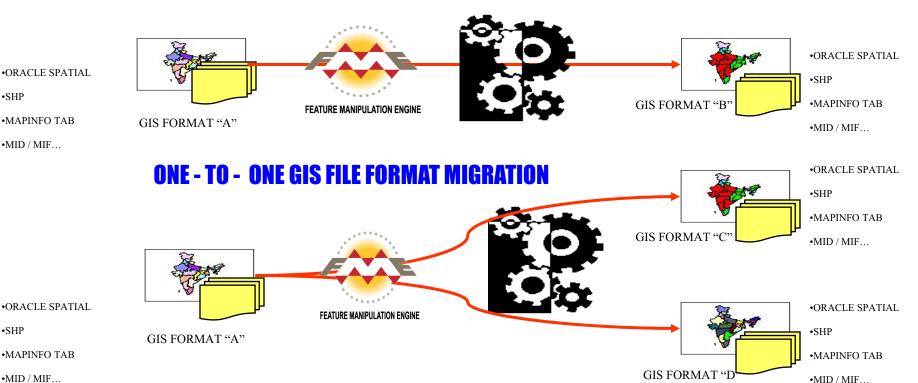
Intelligence:

The

"Safe"

Way





ONE – TO - MANY GIS FILE FORMAT MIGRATION

Geospatial

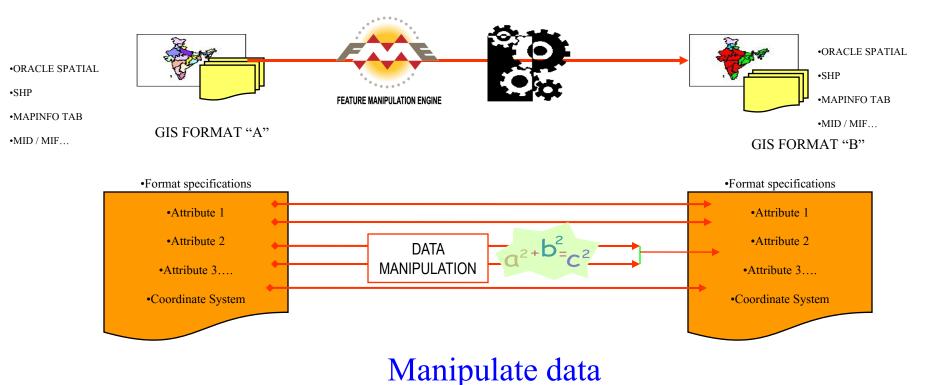
Intelligence:

The

"Safe"







FME - Feature Manipulation Engine







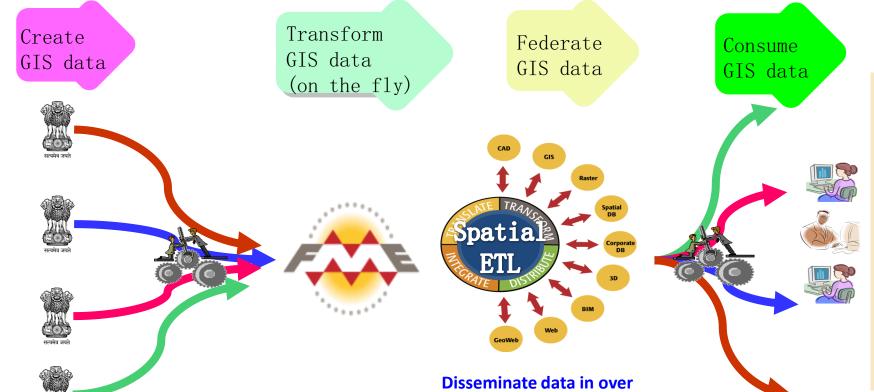


FME Server



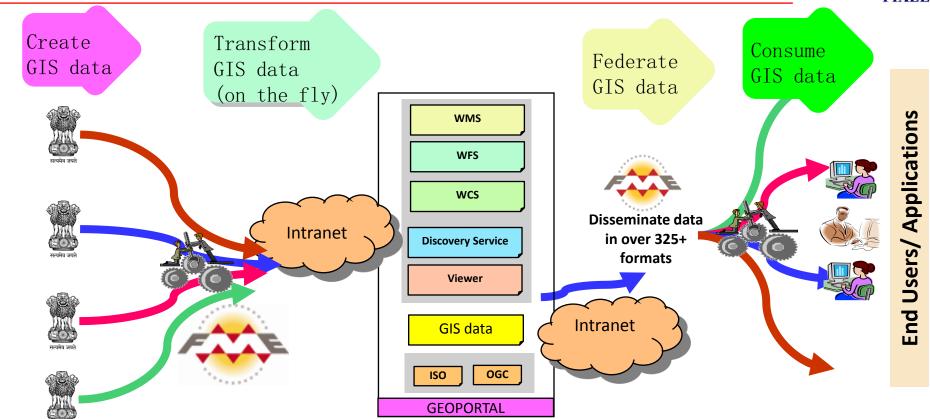
FME Cloud





325+ formats







- Keep ahead of evolving sensors, IoT & big data, ever increasing disparate data types to integrate and instantly make use of urgent intelligence
- Removing data integration barriers: Increase operational efficiency
- Build situational awareness by collecting, filtering, and analyzing information from vast data volumes
- Make sense of your sensor data with FME to derive useful, actionable information from sensors in real or near realtime





Trust me, "FME"

could be your trusted agent in any of your challenging geo-intelligence missions...

Thank You





Perform, Xcel, Lead.

PIXEL SOFTEK PVT. LTD.

www.pixelsoftek.com safe@pixelsoftek.com

Raghavendran (aka SRG)

raghavendran@pixelsoftek.com











8 & 9th Floor, Vokkaligara Bhavana, Hudson Circle, Bangalore 560027 India.

T: 91.080.22485241

F: 91.080.22485247

- Atlanta, GA, USA
- Chennai & Delhi, India