

Concepts

- // Spatial literacy is growing
- // Data is growing from expanding sources.



Why is GIS important?

// Improve Risk Management

- / Better understanding of factors in planning and design
- / Share common project management tools

// Increase Collaboration

- / Single source for all project information
- / Share knowledge through geography intuitive maps

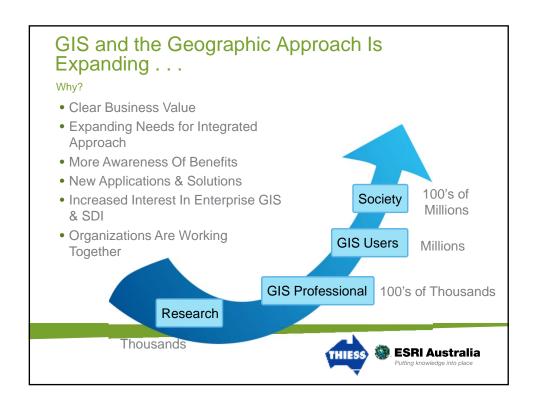
// Allow for Complete Transparency

- / Access to same information from executive level down
- / Continuous Visibility and Monitoring throughout Project

// Offers a Comprehensive Approach

- / All information and data formats integrated
- / Easily integrate multi-disciplinary information





Example

- // Brisbane to Gladstone Yacht Race
- High volume site
- 14.5 million hits in two and a half days
- Live data delivered to the public



Computing platforms change

- // Mainframe computing
- // Departmental and scientific computing
- // Workstations and networks
- // Personal computers
- // Database and enterprise servers
- // The web connecting the systems
- // Devices and networks
- // The web IS the system
- // ...



Our fundamental work remains constant

- // Resource and landscape inventory
- // Facility management
- // Planning
- // Government operations
- // Science
- // Land information and management
- // Public / Private access to information
- // ...

But technology change allow for new approaches...



Data... data... data

- // Key to any information or decision initiative
- // Good data practices lead to good decisions
- // Seamless storage and access improves the process



Crowd Sourcing (VGI)

- // Next frontier of data capture
- // Not accurate
- // Helps define the areas we need to focus on
- // Political implications could skew efforts

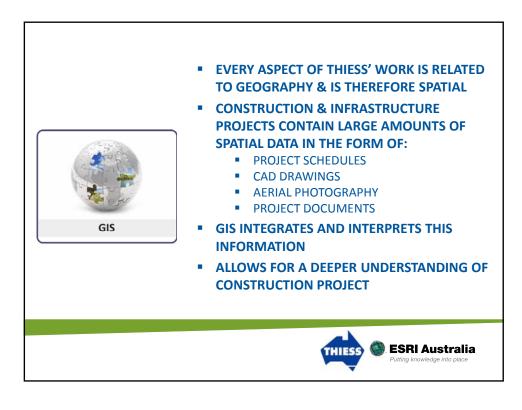


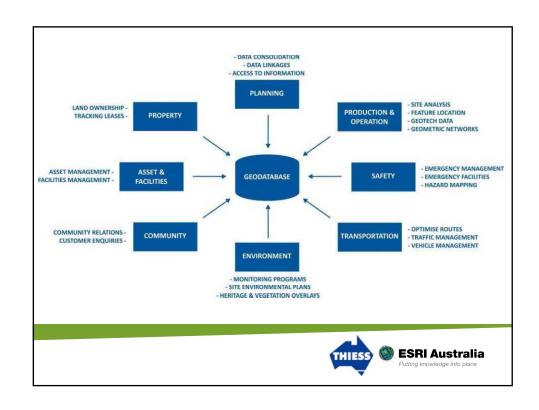
Examples

// Koala Diaries

- Volunteered information
- Demonstrates the public's commitment to the cause
- Will help infrastructure companies such as Thiess with CSR









- PROJECT LIFECYCLE INVOLVES MANY ASPECTS OF PROBLEM SOLVING
- **GEO-INTELLIGENCE IS A PROBLEM SOLVING TOOL**
- GIS CAN SUPPORT ALL PHASES OF A PROJECT LIFECYCLE
- CAN HOST MYRIAD OF LOCATION-BASED AND TEXTUAL DATA PRODUCED BY LARGE PROJECTS
- MAXIMISE ROI TO PROJECT BY USING GIS AT EVERY STAGE



VIEWING PLATFORMS ARCGIS SERVER

- FLEX API
- **SYSTEM INTEGRATION**
 - ASSET MANAGEMENT & PLANNING
 - PROPERTY & STAKEHOLDER
 - ENVIRONMENT
 - DOCUMENT MANAGEMENT & QUALITY
- **DATA TRANSFER TOOLS**
 - CAD & SURVEY
- FIELD DATA COLLECTION
 - MOBILE, TABLET & PEN DEVICES







