

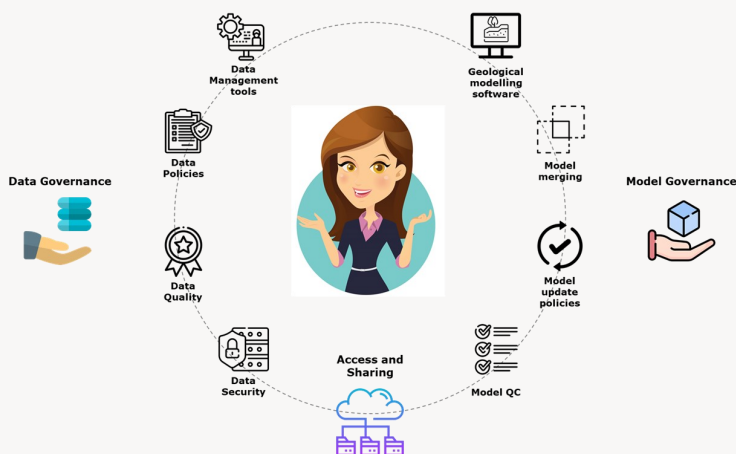
# A GeoSmart Framework for the GeoSmart Organisation

## Is your organisation GeoSmart?

Despite the increasingly large amounts spent on Geo-Data acquisition, organisations doesn't seem to have the proper governance around their data and models to call themselves GeoSmart. Geo-Data represent a high value, but still in many organisations there are no worked-through plans, structures, or procedures for managing the increasing amount of geo-data and -models, and they lack tools and services supporting these. How is this handled in your organisation or department?

### Requirements to be GeoSmart

To be GeoSmart you need refined governance around your Geo-Data and -Models, access to tools and services supporting this governance, and have seamless ways of accessing and sharing data and models:



## The GeoSmart Framework

All services, software solutions, and tools developed at I•GIS during the last several years are made to support organisations in being GeoSmart. This extensive focus has resulted in a set of solutions, which together with domain experts, decision makers and different stakeholders, constitute what we call a GeoSmart Framework.

### Sectors utilizing our GeoSmart Framework

Among the sectors using our solutions and services you find:

- Hydrogeological Modeling
- Contamination and Environment
- Engineering and Urban Geology
- Geotechnics
- Sustainable Groundwater Management
- Mining
- GSP Construction



## Two Corner Stones in our GeoSmart FrameWork are GeoScene3D and GeoCloud

**GeoScene3D** is our 3D geological modelling software allowing:

- Visualization of geoscientific data
- To build 3D (hydro) geological models as layers and voxels
- Decision support
- Data analysis
- Quality Assurance
- Uncertainty estimations
- And much more.

The software is well suited for geoscientists in both public, private and research organizations working with engineering geology, groundwater, soil contamination or other tasks involving compilation and interpretation or visualization of a variety of geoscientific data types.

**GeoCloud** is our cloud-based data management system allowing you to store, share and manage large models and large amounts of geo-data. Several online services allow models and data to be shared and accessed:

- Through the web-browser
- Through WMS
- Directly in GeoScene3D.

Ensuring easy access to your models, data, and results for the domain expert, the project lead, the stakeholder, and the public.

### Benefits of being a GeoSmart Organisation

When combining GeoCloud and GeoScene3D you find yourself equipped with the tools and services needed to become a GeoSmart organization. A system setup like this will enable your organisation to:

- Manage, store, and utilize your valuable data
- Have fast and easy access to models and data
- Avoid data to be hidden on forgotten drives
- Easily update your models when new data acquired
- Reduce the time spend on converting data formats
- Allow users a seamless way to collaborate on the same models and data independent of their physical location
- Share data, models, and results both internally and externally
- Spend the freed-up time on other tasks.
- Have the most updated models available at any time

### Why wait?

Start your journey towards becoming GeoSmart by booking an introduction meeting with one of our consultants today. Contact us at [consultancy@geoscene3d.com](mailto:consultancy@geoscene3d.com).



**Geological Modelling**

- ✓ 3D environment
- ✓ Layer models
- ✓ Voxel Models
- ✓ GIS – Component
- ✓ Cross Sections
- ✓ Data integration
- ✓ Model Update
- ✓ Model Merging
- ✓ Geostatistics



**Decision Support**

- ✓ Visualisation
- ✓ Statistics
- ✓ Volume computations
- ✓ Draw down computation
- ✓ Quality Control
- ✓ Export/reporting
- ✓ Pseudo Wells



**Data Hosting**

- ✓ Cloud storage systems
- ✓ Backup systems
- ✓ Data Security Support



**Data Admin**

- ✓ Data Upload
- ✓ Data Download
- ✓ User admin
- ✓ Data Grouping
- ✓ Meta data



**Access/Share**

- ✓ Web Portal Interface
- ✓ GIS WMS Services
- ✓ Directly from GeoScene3D



**LARCOS**

- ✓ Large Model admin
- ✓ Several modelers
- ✓ Grid update service
- ✓ 3D Model API
- ✓ Check in/out and QC



**3D Viewer**

- ✓ 3D models in web-browser
- ✓ Visualization tools
- ✓ Profile view
- ✓ Synced with GIS map
- ✓ Large Point Clouds

### WANT TO KNOW MORE...

about GeoScene3D, GeoCloud, or any of the services and solutions in our GeoSmart FrameWork? or want to discuss how your organisation or department can become GeoSmart? Contact us at [consultancy@geoscene3d.com](mailto:consultancy@geoscene3d.com).