Geneva’s Territory Information System

A Regional SDI to Share Geodata – a strategic GIS implementation

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www.sitg.ch
Definition

The SITG is a public partnership aiming to centralize and share without restriction GIS data produced on the Geneva territory and surroundings.

It includes any structured information involved in territorial management and its associated tools, designed for consulting, analyzing, modeling data and taking decisions.
Objectives

- Facilitate and promote exchange and distribution of information
- Centralize data and metadata to distribute them
- Use a common spatial reference for all the datasets
- Avoid data redundancy and incoherence
- Ensure the complementary and durable nature of data
- Promote Geneva’s official GIS-Portal (www.sitg.ch)

→ SITG aims to be an instrument for keeping territorial memory alive and accessible to the general public.
SITG's history

• 1991 : 5 funding partners decide to coordinate their geographical data
  Based on a shared Charter :
  ➢ Freely signed by the partners
  ➢ The data shared in common are freely available to all
  ➢ Working together on new projects and shared funding of them

• 2000 : Defined as a cantonal law
• 2007 : The Swiss and French national institutes for geography joined the SITG
• 2010 : The 10th partner (CERN) joined
• 2013 : The cantonal law is altered to allow free distribution and usage of some data : Open data SITG
Organization

Operational Unit  \[\rightarrow\]  Board of Directors  \[\rightarrow\]  Executive Committee

Users Committee  \[\rightarrow\]  Technical Committee
Legal aspects
Legal aspects

- **Charter**: main principles
  - The data is public
  - The data is obtained through partners' missions and already paid for by taxes

- **Data distribution & costs**
  - Each data owner defines the distribution rules for their data
  - Free between partners and their agents
  - Open data for every usage is possible on the choice of the data owner

→ **Transparency & reciprocity**: each partner assumes its responsibilities and shares the projects costs
Cross-border regional context
SITG: a decision-making tool

Freely shared

Organized

Up-to-date

Data
Data exchanges

Exchanges needed:

Exchanges without the SITG:

Exchanges with the SITG:
SITG's data organization
SITG in 3D

SITG owns a 3D data basis since 2010 with:

- Buildings
- Bridges and tunnels
- Trees’ inventory (3D library)
- Digital elevation model
- Orthophotos
SITG: a decision-making tool

Services

Planning
Management
Freely shared

Data

Communication
Organized
Up-to-date
Most of them are public

Used on a daily basis
SITG: a decision-making tool

- Decisions' monitoring
- Indicator scoreboard
- Decision making
- Communication
- Organized
- Up-to-date
- Services
- Data
- Freely shared
- Management
- Planning
Web Apps
Mobile App

Plans de base
- Plan SITG
- Images aériennes

Cartes thématiques
- Administration
  - Périmètres et services administratifs
- Agglomération
  - Données sur le projet agglomération
- Agglomération - Plans
  - Agglomération - Fonds de plan
- Aménagement
  - Données sur l’aménagement
3D Web App
Open Data SITG

Create value from open government data
Open Data SITG

SITG recently adopted open data principles for its sharable data:

- Allow to create added value from open government data
- Free and costless usage for everyone (citizens, companies, associations, students, etc.)
- Beneficial for economic activity, innovation and creativity
- A main vector for Administration's transparency
Open Data SITG

The majority of SITG's data (60%) will be available on an open data basis. The new SITG's data catalogue, allowing free download, will open in June 2014.

Catalogue de données

- AMENAGEMENTS CYCLABLES
  Open Data | Ligne
  Thème(s) ISO: Edifices, infrastructures, ouvrages, Transport
  La couche des aménagements cyclables recense tous les éléments construits ou matérialisés délimitant l'espace réservé au cyclistes sur la voie publique. Ces données ne doivent pas être confondues avec les itinéraires vélos, tels qu'ils apparaissent sur la carte Vélo.
  [Voir la fiche complète] [Ouvrir la couche dans la carte]

Téléchargement

- CSV
- GDB
- GML
- KML
- SHP

Service web en consultation (grand public)

- MOBILITE- DONNEES GENERALES
  - Détail
  - Afficher la carte
- AMENAGEMENT - PAV
  - Détail
  - Afficher la carte
The SITG…

- is a strategic asset across the Canton.
- is used by all public services on a daily basis, a meeting point for numerous thematics.
- is a must-have to organize the Canton and plan its future.
- is a democracy tool, available for citizens and the economy.
- has a inestimable ROI, we simply couldn't work without it.
More information…

SITG website (www.sitg.ch)

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@SITGeneve
#opendataSITG

Thank you for your attention!