



swisstopo

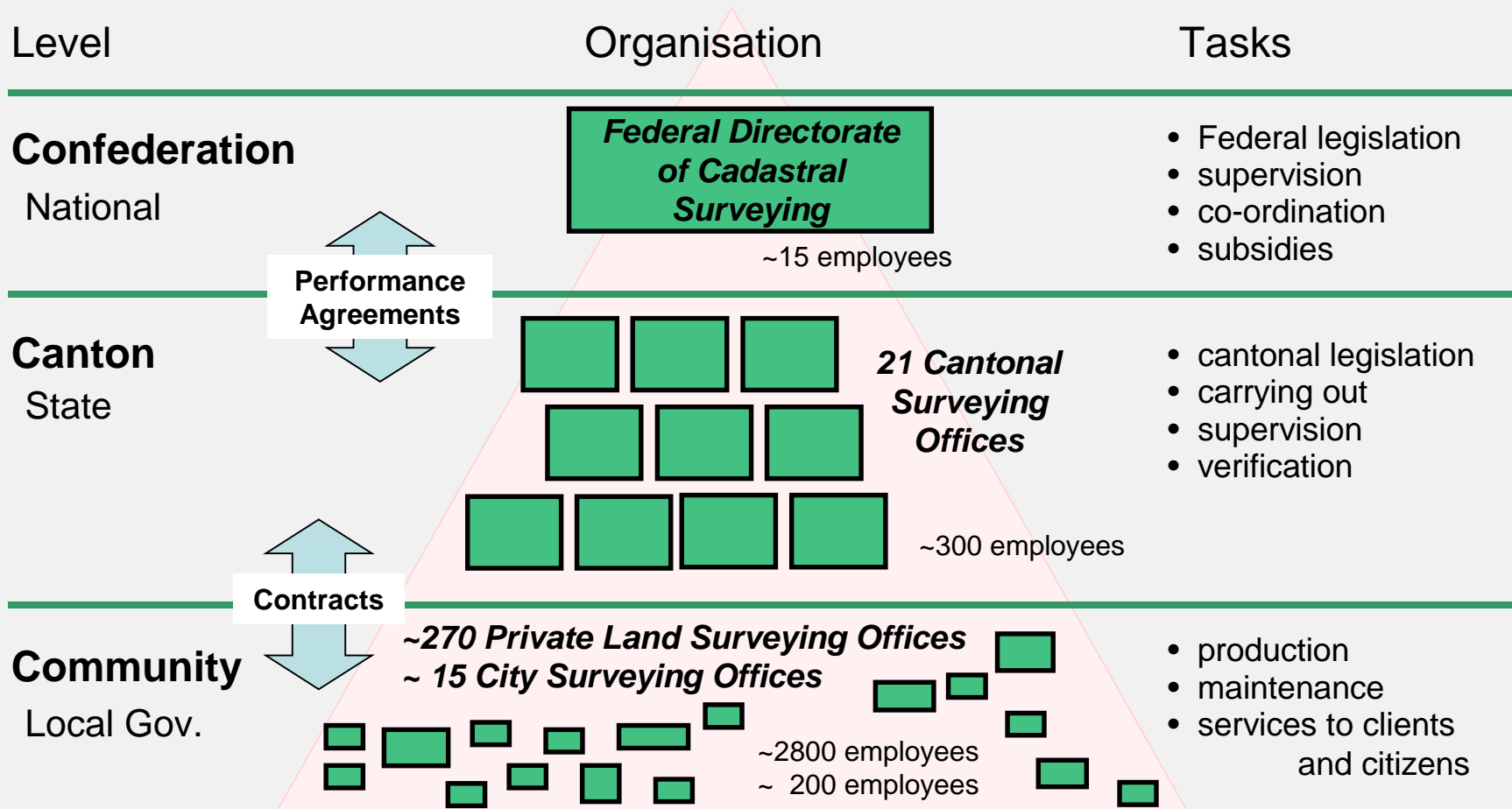


Bundesamt für Landestopographie
Office fédéral de topographie
Ufficio federale di topografia
Uffizi federal da topografia

Developments in Switzerland

FIG-Commission 7 Annual Meeting, June 2005,
Madison, Wisconsin, USA

Level of Organizations



New Articles in Federal Constitution (Oct. 2003)

Art. 5a: Subsidiarity

The principle of subsidiarity has to be observed in the definition and completion of public tasks.

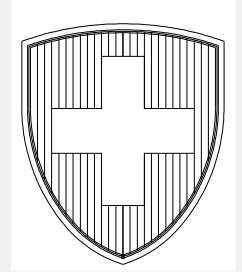
Art. 75a: Surveying

- ¹ National Survey is a matter of the Confederation.
- ² Confederation issues regulations concerning official cadastral surveying.
- ³ Confederation can issue regulations on the harmonisation of official information concerning land.

Federal Law on Geoinformation

- in consultation phase
- in force ~2006/7
- regulation of geodata on national level
- legal basis for the cadastre
- legal basis for public-right restrictions and responsibilities being documented in space cadastre ("Raumkataster")

License for Cadastral Land Surveyor



The institution of the license for "licensed cadastral land surveyor" is under scrutiny by the government with the pretext of deregulation.

Switzerland has a long tradition of Private-Public-Partnership for cadastral surveying and is being considered as very successful.

e-geo.ch



- development of a National Geo Data Infrastructure (NGDI)
- initiative by the Federal coordination body on geoinformation (KOGIS), acting under an interdepartmental Steering Committee, subordinated to national mapping agency (swisstopo)
- initiative developed within a framework where all concerned governmental levels and private organizations contribute

New Think Tanks instead of Technical Commissions

- All FIG delegates meet twice a year (since 2004)
- Topics are "Geomatics" and "Land Management"
- Task is:
 - to assess the professional situation from their own different points of view
 - to make recommendations for the executive committee and the members

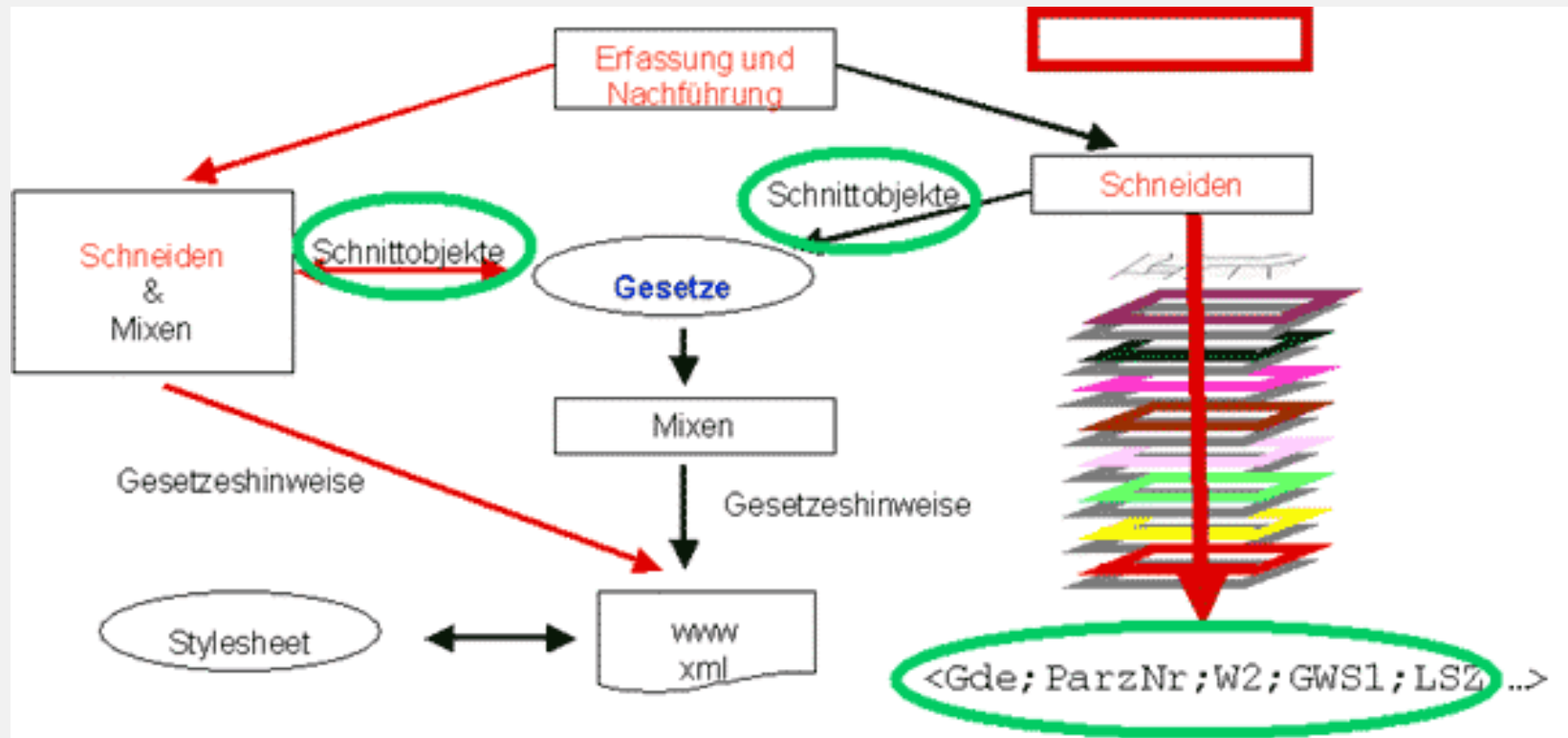


Handlungs- ebene	Aufgaben	Raumbezogene Handlungsebene	Werkzeuge / Methoden
Strategie	Vision und Ziel erarbeiten	Raumordnungspolitik	Abläufe im politischen Umfeld
Management	Massnahmen und Projekte zur aktiven Umsetzung der Raumordnungspolitik. Raumbeeinflussende Projekte	Raummanagement	<p>LANDMANAGEMENT</p> <p>Themenbezogene Rechtsfragen Raum- und Umweltplanung Moderne Meliorationen Landumlegung Landschaftsentwicklung Industriebranchenrecycling Standortmanagement Projektentwicklung Wasser und Energie Risiko und Gefahren etc.</p> <p>Vermessung Geoinformatik Geodäsie Kartographie Photogrammetrie Fernerkundung Grundbuch Geodienste Navigation Monitoring Maschinensteuerung etc.</p> <p>GEOMATIK</p>
Administration	Aktive Handhabung von Rauminformation im weitesten Sinne (inkl. Ingenieurvermessung, etc.). Erfassen, Aktualisieren, Visualisieren und Auswerten von Informationen über den Raum. Rauminformationsprojekte.	Raumadministration	
Dokumentation	Nachhaltiger Betrieb von Katastern und raumbezogenen Informationssystemen. Datenmodellierung. Vorhalten von Systemen und Daten zur Dokumentation des Raumes.	Raumdokumentation	

Cadastré 2014



- establishment of a business unit "c2014" by IGS (Association of private cadastral surveyors) in 2001
- browsing through laws with spatial relevance (à spatially definable public-law restrictions)
- data model with same modeling language as cadastral surveying (à INTERLIS)
- information will be made available to the public via a "c2014" internet-portal as a service
- portal operational in 2005



Profession is under pressure:

- GIS professionals are pushing for more client- and market-oriented products
- surveyors have the image of being slow and expensive
- data acquisition for digital cadastral data is soon completed

But there are opportunities:

- SG is second in command (human settlement)
 - à required skill is not only surveying
 - à but surveyors have to remember that as a profession they can provide the whole range of skills that is required
 - à remember the roots
- cadastral surveyors can provide know-how for all spatial issues that also need legal competence