The New Swiss Law on Geoinformation and the Ordinance on the Cadastre on Public Law Restrictions (4064)

The New Swiss Law on Geoinformation and the Ordinance on the Cadastre on Public Law Restrictions (4064)

- 1. INTRODUCTION
- 2. STARTING CONDITIONS
- 3. TIME FRAME
- 4. RESULTs OF THE WORK
- 5. CONTENT OF THE ACT ON GEOINFORMATION
- 6. CADASTRE OF THE PUBLIC-RIGHT RESTRICTIONS OF LANDOWNERSHIP
- 7. LESSONS LEARNED

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Sydney, April 2010

FIG Congress 2010, Sydney

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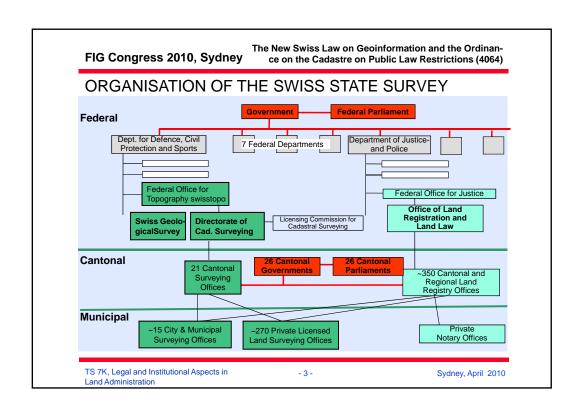
A CONSTUTIONAL BASE FOR THE NATIONAL AND THE CADSTRAL SURVEY IN SWITZERLAND

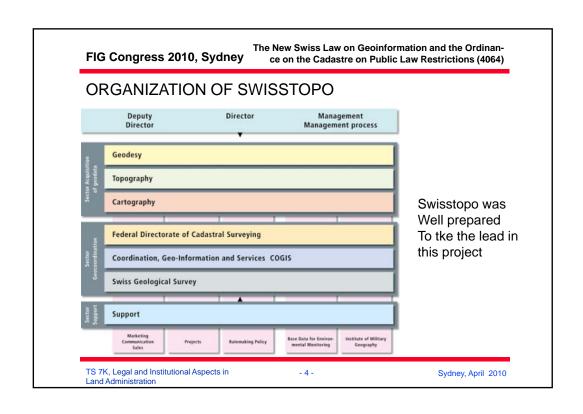
Art. 75a! National Land Survey

- ¹ The National Land Survey shall be the responsibility of the Confederation.
- ² The Confederation shall issue regulations on official surveying.
- It may issue regulations on the harmonization of official information relating to the land

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ELEMENTS OF CADASTRAL REFORM -> AV93

- Information content was not changed compared with traditional cadastral surveying
- Definition of a data model with 8 information layers
- Data description with standarized data description language INTERLIS
- Possibility for the setting up of general land information systems LIS

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AV93-LAYERS ACCORDING TO VAV (1.1.1993)

8 Information Layers:

Control points

Land cover

Single objects / line elements

Heights

Local names

Ownership

Pipelines >5bar

Administrative subdivisions

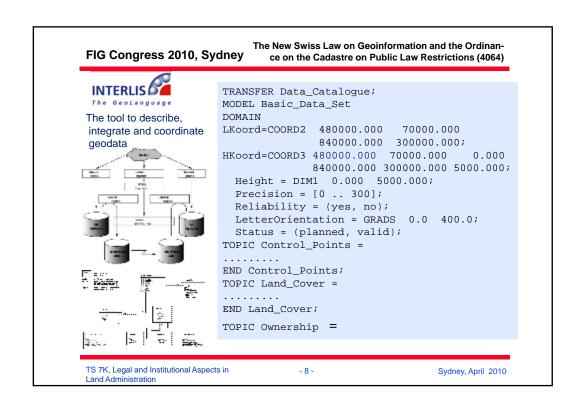
Bacto Dor Integral
Hilberts

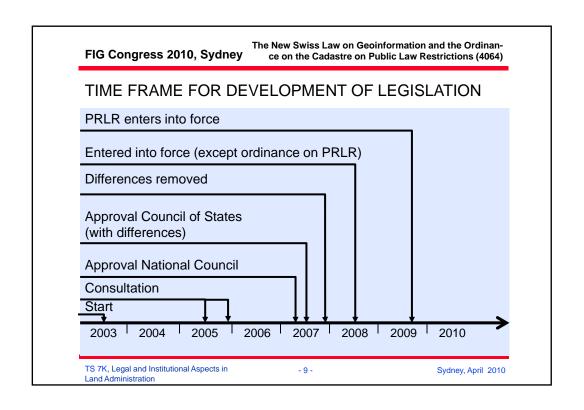
Common reference system

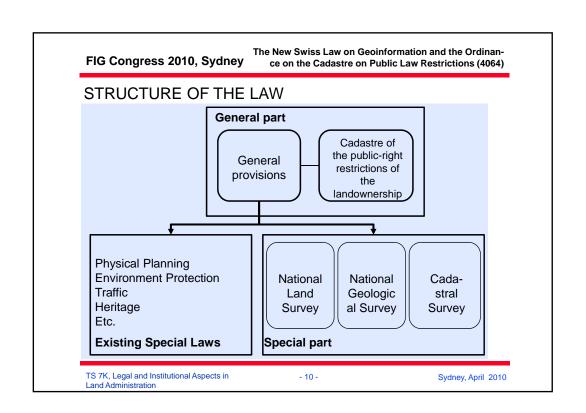
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POSSIBLE GOAL FOR C	ANTONAL	LIS	
Information topic	Data owner	Data acquisition	Data maintenance, Data administration Data output
Other topics	other		
Land use planning planning zones	Canton, Communities		
Cable TV facilities	Private firms		
Electric power supply facilities	Power company		
Civil protection protection zones	Communities		
Fresh water Waste water facilities	Corporations, Communities,		
Railways rails, Telecom facilities	Railways Telecom	Railways Telecom	Railways Telecom
AV93 basic data	Canton	Canton (licensed surveyors)	Canton (licensed surveyors)







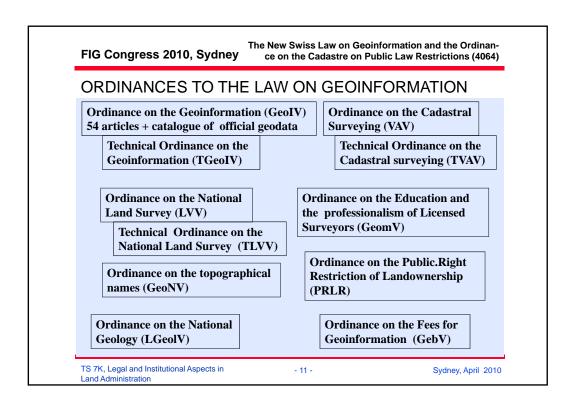


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EXTRACT FROM OFFICIAL GEODATA CATALOGUE									
Nr.	Description	Legal base	Responsible	Georefernce	PRLR Cad	Access right	Online access		
95	Groundwater protection zone	SR 814.20, § 20	cantons	no	yes	A	yes		
96	Groundwater protection area	SR 814.20, § 21	cantons	no	yes	A	yes		
97	Groundwater source	SR 814.201, § 30	cantons	no	no	A	yes		
98	Inventory of groundw.sources	SR 814.20, §82	cantons	no	no	A	no		
99	Inventory of water rights	SR 721.80, § 31	BAFU	no	no	В	no		
100	Regional sewerage plan	SR 814.20, § 7	cantons	no	no	A	yes		
101	Municipal sewerage plan	SR 814.20, §	cantons	no	no	A	yes		

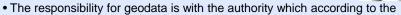
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HIGHLIGHTS OF THE ACT ON GEOINFORMATION

 It aims to make available the geodata on the territory of Switzerland easily available to every interested person at reasonable cost;



- The law covers official geodata under federal legislation;
- The technical requirements include data and representation models for geodata and metadata;



- law has to collect, update and manage the respective data and which is to make the data available in every moment;
- The geodata are public unless public or private interests are violated:
- The cadastre of the restriction on landowner rights is introduced and shall be operated by the cantons;
- The legal base has priority on every other regulation concerning geoinformation.



CADASTRE 2014

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CONTENT OF THE ACT ON GEOINFORMATION

Chapter 1: General provisions

Chapter 2: Principles

Section 1: Qualitative and Technical Requirements
Section 2: Collection, Updating and Management

Section 3: Data Access and Data Use

Section 4: Cadastre of Public-law Restrictions on Landownership

Section 5: Commercial Activities of the Confederation

Section 6: Obligation to Support and Tolerate

Chapter 3: National Land Survey
Chapter 4: Swiss Geological Survey
Chapter 5: Cadastral Surveying

Chapter 6: Organisation

Section 1: Responsibility and Cooperation

Section 2: Financing

Section 3: Education and Research Chapter 7: Final Provisions

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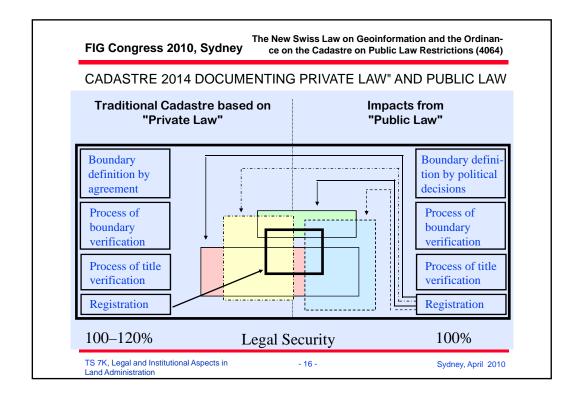
CADASTRE ON PUBLIC.LAW RESTRICTIONS

Art. 16 Subject matter and form

- 1 The Cadastre of public-law restrictions shall contain public-law restrictions on landownership rights which, in accordance with the provisions of the Civil Code, are not part of the Land Register.
- 2 The Federal Council determines which official geodata under federal legislation are entered in the Cadastre of public-law restrictions.
- 3 The cantons may define additional official geodata of proprietary nature that must be recorded in the Cadastre of public-law restrictions.
- 4 The Cadastre of public-law restrictions shall be made available in electronic form either online or by any other method.
- 5 The Federal Council shall determine the minimum requirements with regard to the organisation, management, data harmonisation, methods and processes for the Cadastre of public-law restrictions.

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CONTENT OF THE ORDINANCE ON THE CADASTRE OF PUBLIC-RIGHT RESTRICTIONS OF THE LANDOWNERSHIP

Section 1: General provisions

Section 2: Content and Information

Section 3: Inclusion into the Cadastre

Section 4: Forms of Access

Section 5: Authentification

Section 6: Function as official gazette

Section 7: Organization

Section 8: Financing

Section 9: Participation

Section 10: Final Provisions

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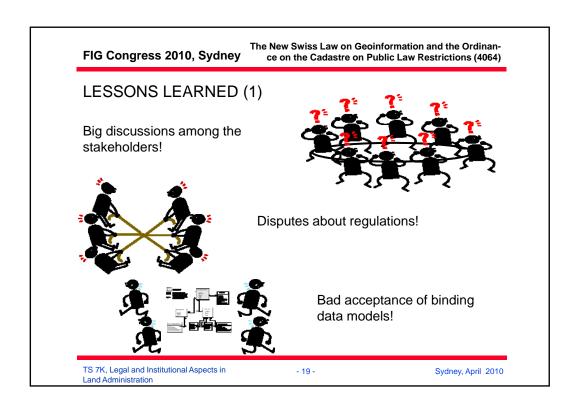
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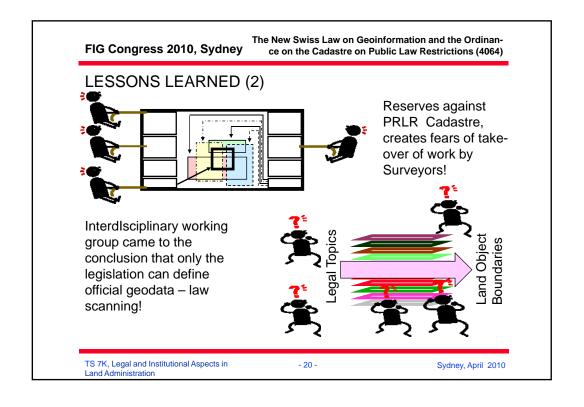
HIGHLIGHTS OF THE ORDINANCE ON PRLR CADASTRE

- Responsibility remains with the authorities charged with the execution of legal prescriptions. These fix the boundaries where the restrictions are effective. The cadastre has to verify and include these arrangements;
- The boundaries are to be fixed on the basis of the cadastral data;
- Every interested person will get an extract from the cadastre;
- The person getting an extract can ask for an authentication of the content;
- The cantons can declare the cadastre to be the official gazette on decisions;
- Cantons responsible for the management, federation keeps strategy and supervision;
- Co-funding of the implementation by federation and cantons;
- Cost of maintenance borne by the bodies which cause the changes in the cadastre;
- Implementation of the cadastre in two steps. First some pilot cantons will develop their regulations until 2014 and start operation by January 1st, 2015. All other cantons are to be ready to operate the cadastre from beginning of the year 2020.

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LESSONS LEARNED (3)



All stakeholders aim at NSDI



but have difficulties to cooperate!

The law on geoinformation is a good guideline for the implementation of the NSDI. But it will take some time to get the NSDI working correctly and to have the complete information available!

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Thank you for your attention

www.swisstopo.ch www.cadastre.ch jkcons@swissonline.ch

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