The Swiss Approach of Integrated Land Administration and Land Management

Rudolf KÜNTZEL and Jürg KAUFMANN, Switzerland

- Background and legal basis
- Organization and digital reform
- Conceptual and technical elements
- Extension of purpose (land information)
- Profession, PPP
**Early experience in Land Reform**

Charlemagne 747-814

- three-field rotation
- three years
- spring grain
- fallow
- Winter grain

Ottonian 912-1009

- statutes in the famous monastery Mustair, Switzerland
- agricultural and land reform

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**A long history of property rights**

French revolution 1789

- Immigration of Huguenot
- Watch production
- Base for precision mechanics

Armed raid on Switzerland

Napoleon ordered cadstral map

- new land code
- most modern guarantee of ownership

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A long history of property rights

- Watch production
- Base for precision mechanics
- Tradition of the survey instrument making

Understanding and respect from the idea of cooperative and confederation for centuries

- Official name of the State Swiss Confederation
- Inspiration of technical and political progress in France, Germany, Italy, and Austria

- New land code
- Most modern guarantee of ownership

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experience in the time of the 2nd world war

Switzerland was surrounded by warring nations. The imports of essential goods were reduced.

It has been tried successfully in food production to expand self-sufficient as possible.

The “growing battle” related of land management projects
• drainage
• land consolidation
• and so on…. 

Land Administration and Management Paradigm

The principle of legal independence
Land Administration and Management Paradigm

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The cyclic process of sustainable land management

- **Land documentation (cadastre)** = description of actual situation
- **Land administration** = Creation of basic information for decision-making
- **Land management** = Creation of a new situation

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topic: participatory methods

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Rudolf KÜNTZEL and Jürg KAUFMANN, Switzerland

Rome May, 2012
The cadastre of Public-law Restrictions of Landownership (PLR)

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The master study for land engineering

Report on the problems of higher education in geomatics and land management

The number of students at Swiss federal institute of technology in Zurich and Lausanne is insufficient

The curricula do not meet the needs in all parts of the practice

We need as Prof. Holger Magel formulated:

**Saddle-fast specialized generalist**

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A new master study for land engineering

**Master:** Ingénierie du territoire (Geomatics, land management and civil engineering MIT)

**Qualification awarded:** Master of Science HES-SO en Ingénierie du territoire

**Description:**

- Theoretical and professional specialization (60 ECTS)
- Master’s thesis: AR&D project supervised by a member of the teaching staff (30 ECTS)

The accent is as much on developing personal, methodological and entrepreneurial skills as on acquiring technical knowledge. The MIT course also enables students to select a profile that gives them the theoretical basis for admission to the examination for the Swiss vocational examination (brevet fédéral) as a surveying engineer.
geo\textit{suisse}

100 years cadastral surveying

International activities

SWISS LAND MANAGEMENT FOUNDATION

Working Worldwide

Rudolf KÜNTZEL and Jürg KAUFMANN, Switzerland

Rome May, 2012
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Our experience led to success

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Switzerland is a reliable

1815 we received from the Congress of Vienna commissioned the Transalpine keep open to all.

This is the reason why everyone can go without tolls through the new 57 km long Gotthard Base Tunnel in 2017.

Our commitment to thoroughness and accuracy made possible to reach the breakthrough with a deviation from flat of your hand.

(8 cm across, 1 cm height, 15 cm length)
Switzerland's reliability is up to date

yesterday, on 6 May, at the memorial day of the sack of Roma in the year 1527 the new 26 guardsman of the Swiss Guard of the Vatican were sworn in.

Swiss Guard serve since the year 1506 faithfully and reliably.

She is the only guard who remained there.

The best testimony for Swissness

Thank you for your attention