

**Recent Developments
concerning
Land Administration
in Austria**

Main topics

- + e-government
- + reference data go online / eGeodata Austria
- + new pricing and licensing / business models
- + INSPIRE / PSI / national infrastructure for GI
- + new technologies like google earth, MS virtual earth, web 2.0
- + professional qualification and education
- + cross-border activities

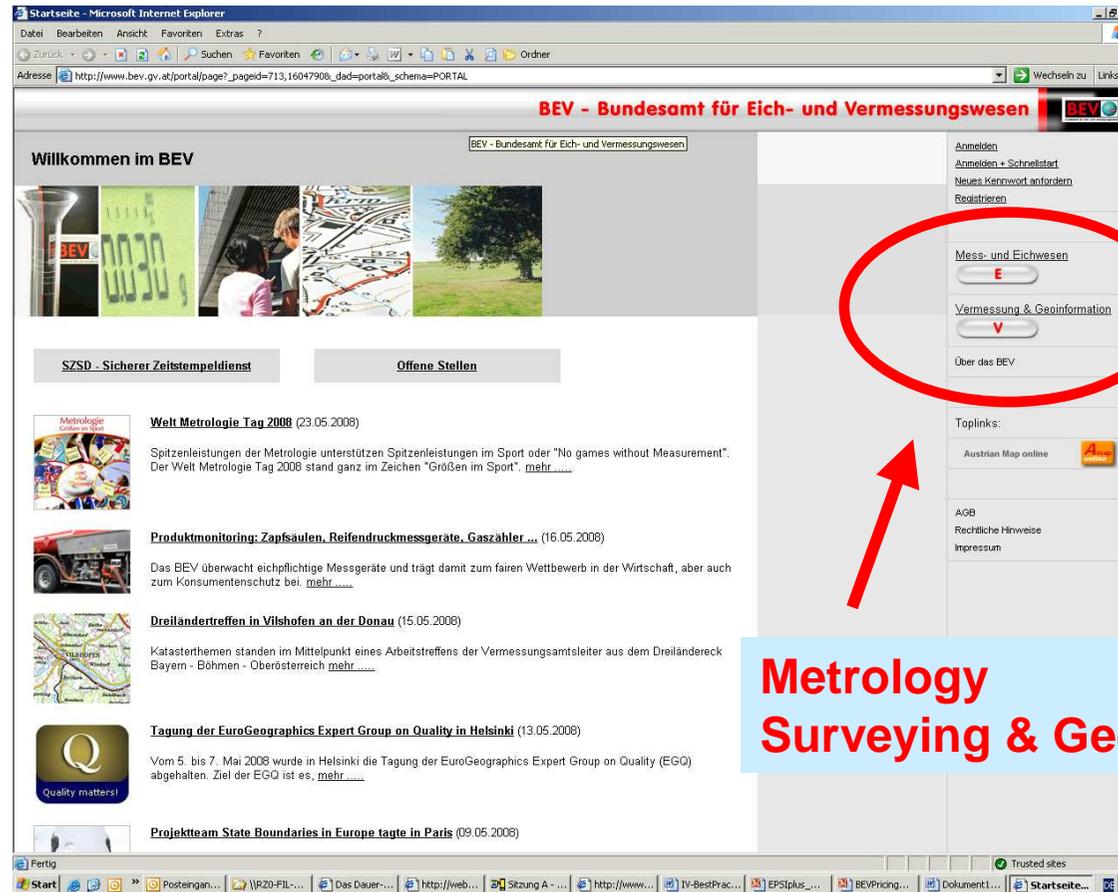
e-government

- + reduce public tasks and budget
- + consolidation of procedures
 - self-administrating models in back-office*
 - involve clients / citizen into procedures*
 - client friendly services*
- + data
 - quality / liability / data privacy protection*
- + stakeholders
 - public administration and private sector*

Recent developments in Austria

e-Geodata-Austria

www.bev.gv.at



Metrology
Surveying & Geoinformation



Recent developments in Austria

e-Geodata-Austria

www.bev.gv.at

BEV - Bundesamt für Eich- und Vermessungswesen

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Vermessung und Geoinformation

Aufgabenschwerpunkte des Fachbereiches Vermessung und Geoinformation sind folgende Themen:

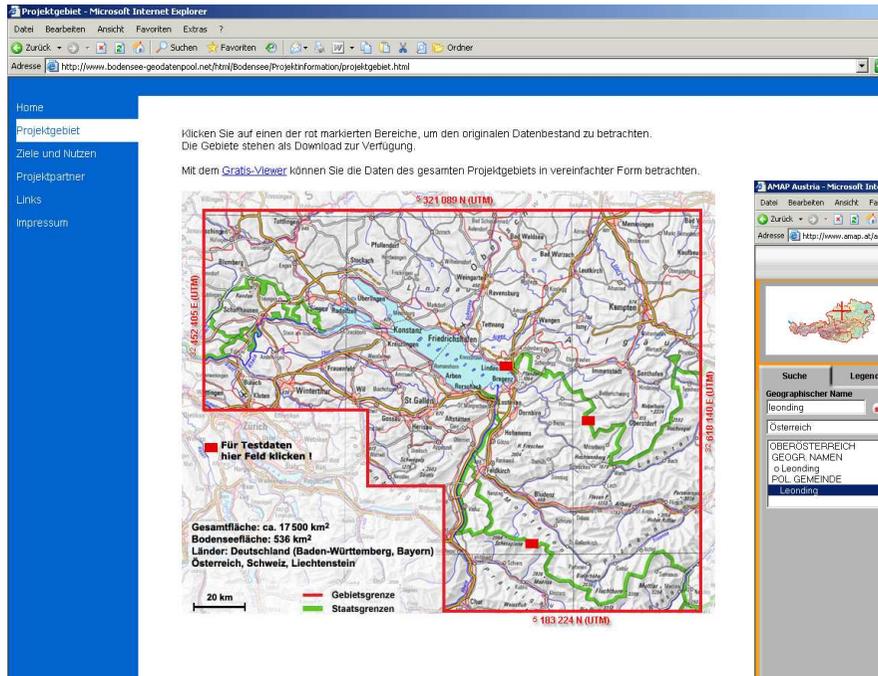
- Führung des **Grundstückkatasters** in Österreich: Der Kataster ist die planliche Darstellung sämtlicher Grundstücke in Österreich und liegt flächendeckend in digitaler Form vor. Er dient als begleitendes Element zum Grundbuch.
- Schaffung und Erhaltung der amtlichen **Vermessungspunkte** (Lage- und Höhenfestpunkte): Lagefestpunkte, die als Ausgangspunkte für Grundstücksvermessungen dienen, müssen im besiedelten Gebiet in Abständen von ca. 700 bis 1 200 m verfügbar sein.
- APOS - Austrian Positioning Service (GPS-Satelliten Positionierungsdienst des BEV)
- Führung des **Digitalen Landschafts- und Geländehöhenmodells**
- Erstellung der amtlichen österreichischen **Landkarten**: folgende Kartenwerke werden hergestellt und
 - Österreichische Karte 1:50 000 (und in Vergrößerung 1:25 000)
 - Österreichische Karte 1:200 000
 - Österreichische Karte 1:500 000Die Landkarten werden mit unterschiedlichen Inhalten (mit Wegmarkierungen oder mit Straße angeboten. In digitaler Form stehen sie als **Kartographische Modelle** und im Internet ([www...](#)
- **Orthophotos und Luftbilder**
- Vermessungs- und Verwaltungsarbeiten im Zusammenhang mit der **Staatsgrenze**

Reference data
Maps, digital and analogue
Aerial photos and products
Cadastral and registers
Surveying & Geoinformation
Register of addresses
DTM, DEM
Amap



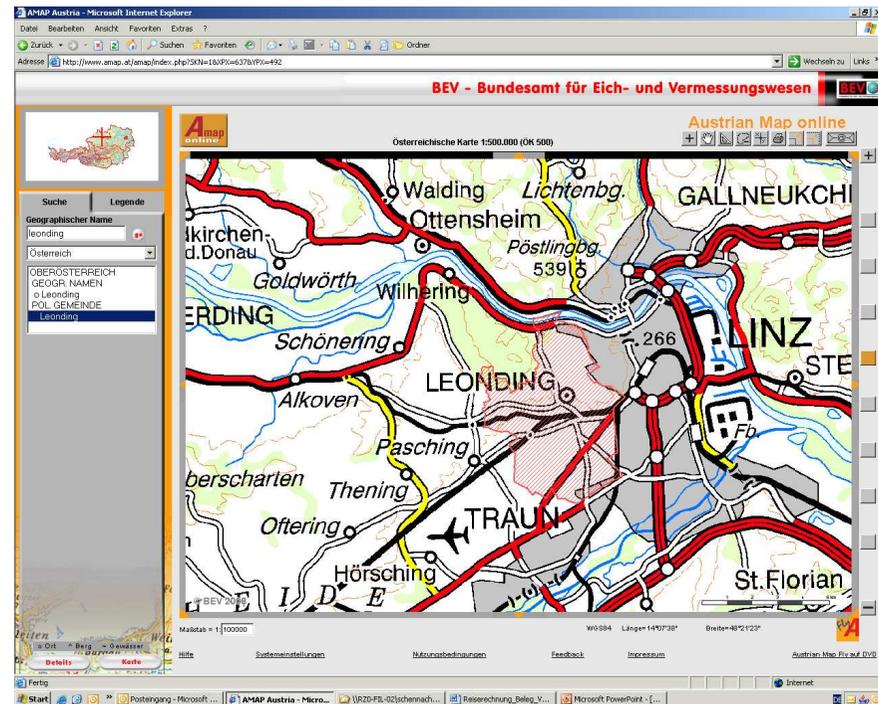
Recent developments in Austria

linked portals



Bodensee – Geodatenpool
www.bodensee-map.net

Austrian Map online
www.amap.at



Bodensee Geodatenpool

- ✚ Area 17 500 km² (Bodensee 536 km²)
- ✚ Project partners: *Austria/Germany (Baden-Württemberg, Bavaria)/Switzerland*
- ✚ Co-Funding: EU Interreg IIIA, Switzerland
- ✚ Content: raster data
 - topographic map 1:50K (*100 l/cm \cong 254 dpi and 200 l/cm \cong 508 dpi*)
 - DEM (*resolution 1-20 m*)
 - administrative boundaries (*10-15 m, 1:25K*)

Recent developments in Austria

Topographic map

www.bodensee-map.net

The screenshot displays the 'BODENSEE - GEODATENPOOL - VIEWER' web application. The browser address bar shows 'http://www.bodensee-map.net/'. The page header includes the title 'BODENSEE - GEODATENPOOL - VIEWER' and a subtitle 'Gefördert aus den Europäischen Fonds für Regionale Entwicklung und durch Finanzhilfen des Schweizer Bundes'. Below the header, there is a navigation bar with 'Suche' and 'Legende' tabs. The search bar contains the text 'kennelbach' and shows a dropdown menu with 'ÖSTERREICH' and 'o Kennelbach [Dorf (>2.000 E...]' as options. The main content area features a topographic map of the Bodensee region, showing contour lines, rivers, and various geographical features. Labels on the map include 'Burg Gebhardsberg 7210', 'Kanzelfelsen', 'Grünau', 'Herzenmoos', 'Rain', 'Breitenreute', 'Klosterhof', 'Kennelbach (457)', 'Oberfeld', 'Hötz', and 'Schl.'. A scale bar at the bottom right of the map indicates distances up to 1000 meters.

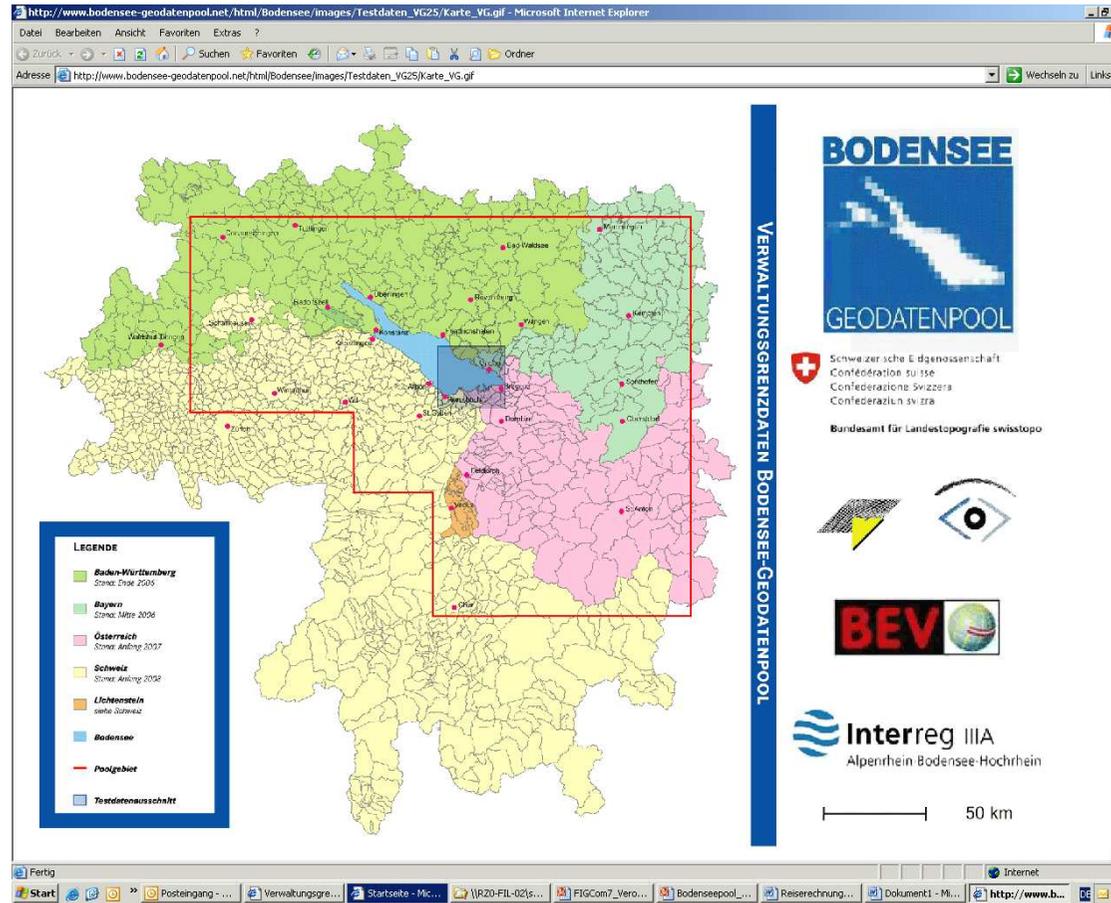
Objectives

- development of a cross-border infrastructure
- „one-stop“ delivery of data (*helpdesk, conditions*)
- easy and quick access to data
- co-ordination of up-date terms and matching along state borders
- raw material for various value-added products
- platform for cross-border spatial planning
- viewer free of charge www.bodensee-map.net

Recent developments in Austria

Administrative boundaries

www.bodensee-map.net



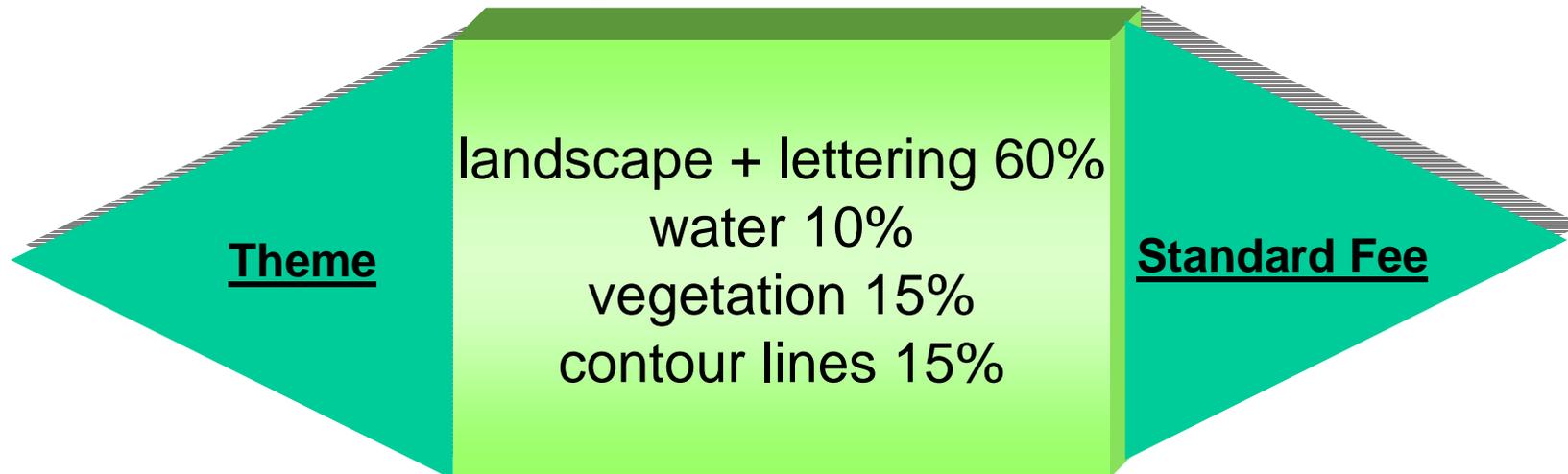
Pricing regime

Internal use, single license

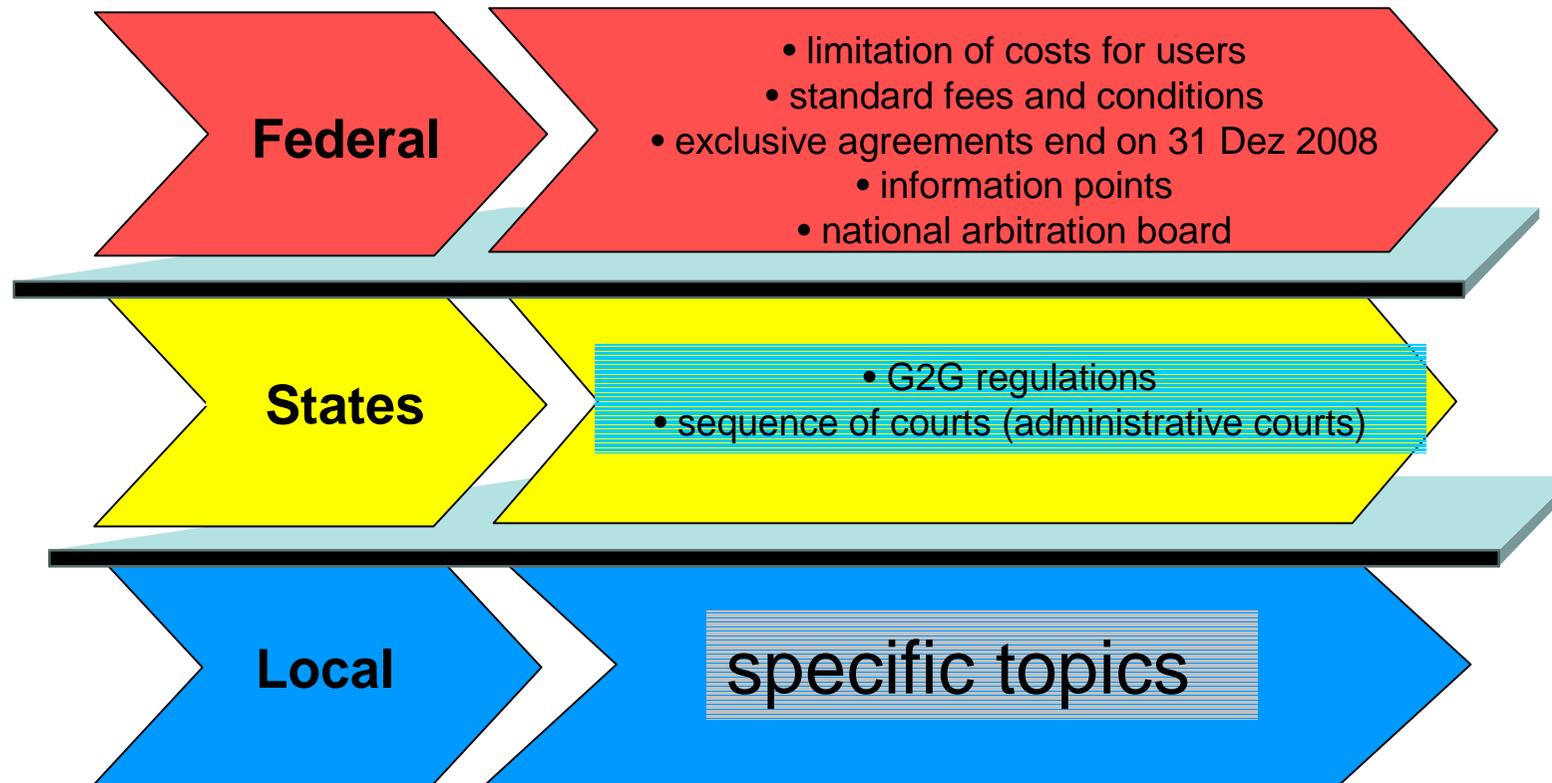
resolution 200 l/cm
resolution 100 l/cm

standard fee 0,40 €/km²
standard fee 0,30 €/km²

Internal use, single license, one thematic layer



PSI implementation in Austria



BEV Pricing & Licensing

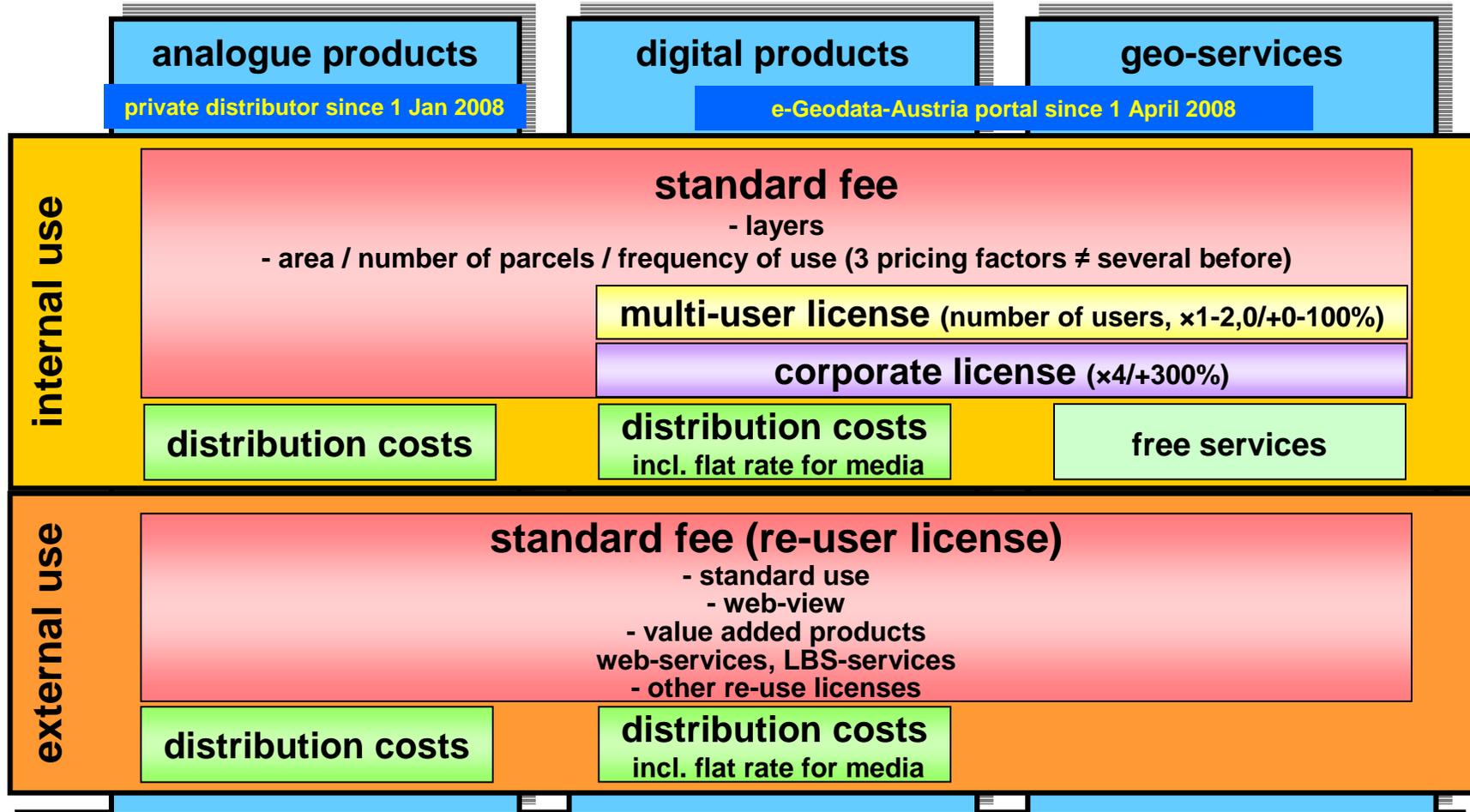
- + in force since 1 Jan 2006, amended 2008
- + for all spatial reference data and services as regulated in para. 48 of Surveying Act
- + no full cost-recovery
- + reduction up to 97 %
- + standard price model for all products
- + multi-user licences and corporate licences (since 2008)
- + internal / external use (marketing rights)

Principles of BEV model

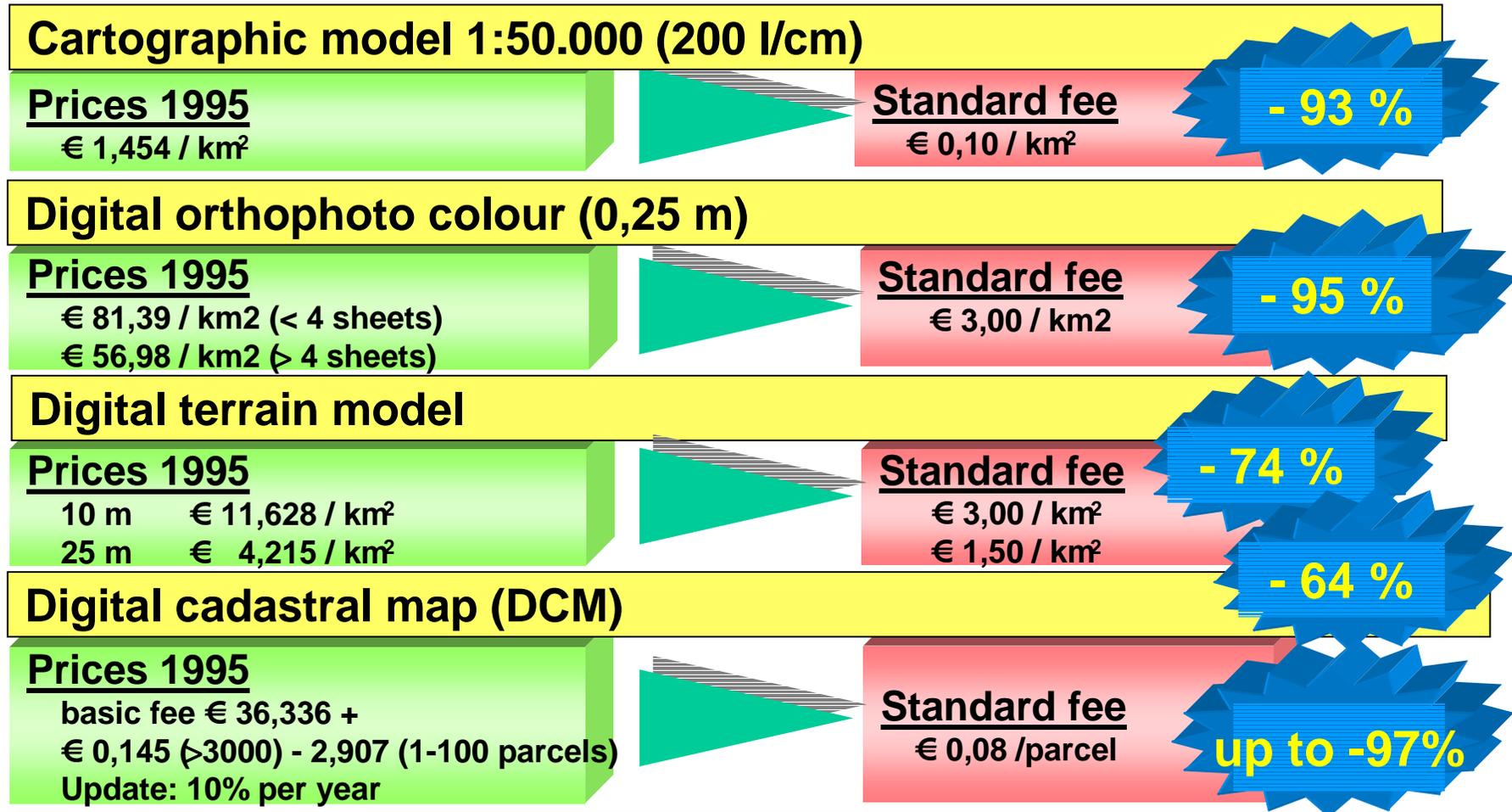
- + enhance VAP from reference data (SME)
- + simplicity and transparency for clients
- + flexibility for future requirements/solutions
- + calculation by benchmarking
- + continuous evaluation of regime and adjustment of fees
- + cost recovery for long-term sustainability
- + complementary to market until market provides product

Recent developments in Austria

BEV pricing scheme



Development of fees

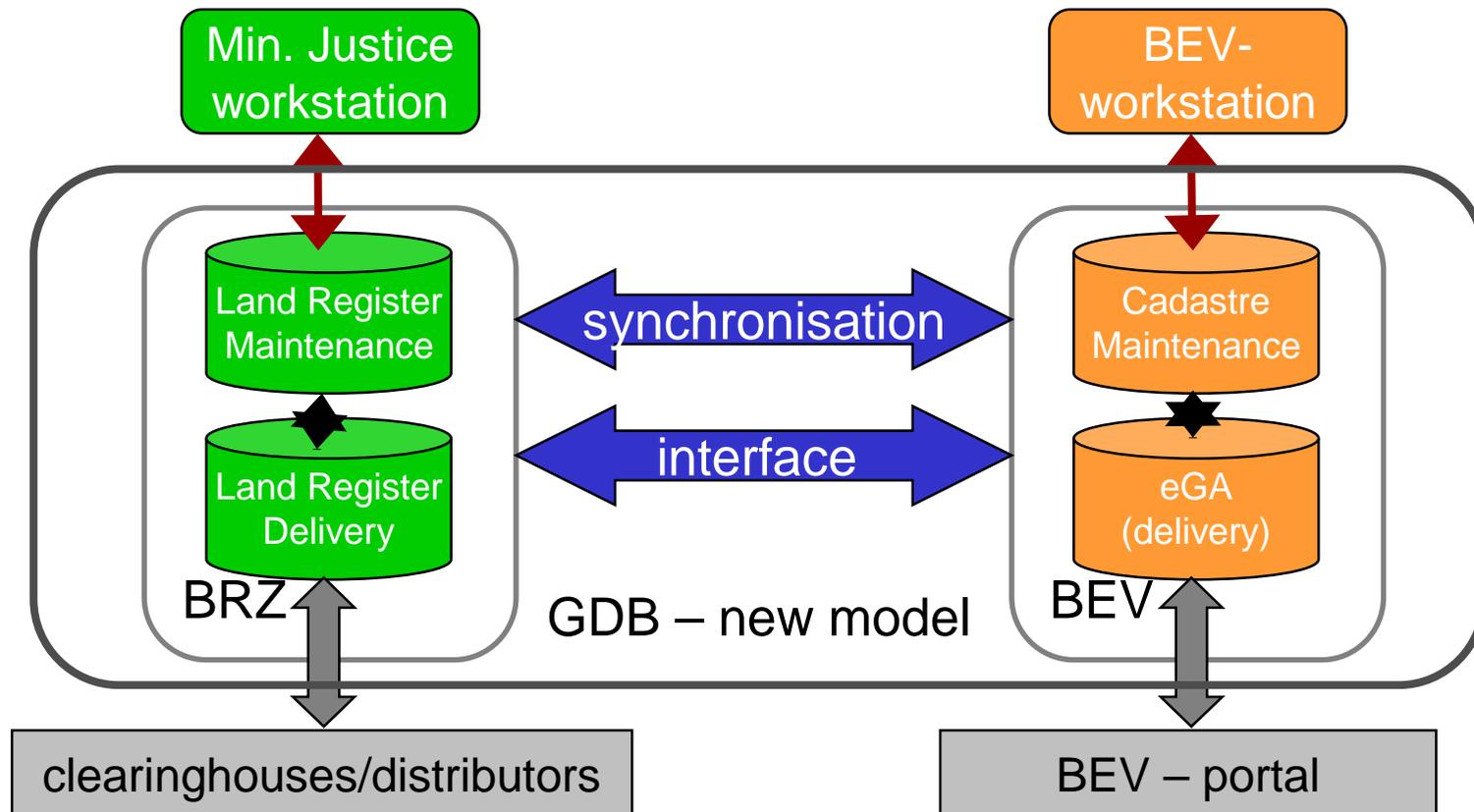


Results of new BEV pricing regime

- significant increase of orders and subscription
 - cartographic products* + 200 –1500 % (SME)
 - digital orthoimages* + 70-fach (all)
 - digital cadastral map–num. objects* + 250 % (SME)
 - digital elevation model* + 250 % (ME)
 - digital landscape model* + 1000 % (SME)
 - APOS: number of users* x 2
- increasing number of external licenses
- development of new business activities visible



new model for real estate register



Thank you for your attention!



Questions?

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