Recent developments in Austria

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
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**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*
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e-Geodata-Austria

Metrology
Surveying & Geoinformation
Recent developments in Austria

**e-Geodata-Austria**

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

Austrian Map online
www.amap.at

Bodensee – Geodatenpool
www.bodensee-map.net
Bodensee Geodatenpool

- Area 17 500 km$^2$ (Bodensee 536 km$^2$)
- 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)
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Topographic map

www.bodensee-map.net
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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](http://www.bodensee-map.net)
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Administrative boundaries

www.bodensee-map.net
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Pricing regime

**Internal use, single license**

- **Resolution**
  - 200 l/cm
  - 100 l/cm

- **Standard fee**
  - 0.40 €/km²
  - 0.30 €/km²

**Internal use, single license, one thematic layer**

- **Theme**
  - Landscape + lettering 60%
  - Water 10%
  - Vegetation 15%
  - Contour lines 15%

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PSI implementation in Austria

- Federal
  - limitation of costs for users
  - standard fees and conditions
  - exclusive agreements end on 31 Dez 2008
    - information points
    - national arbitration board

- States
  - G2G regulations
  - sequence of courts (administrative courts)

- Local
  - specific topics
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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)
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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
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BEV pricing scheme

internal use

analogue products

digital products

geo-services

standard fee
- layers
- area / number of parcels / frequency of use (3 pricing factors ≠ several before)

multi-user license (number of users, ×1-2,0/+0-100%)
corporate license (×4/+300%)
distribution costs
incl. flat rate for media

free services

external use

standard fee (re-user license)
- standard use
- web-view
- value added products
web-services, LBS-services
- other re-use licenses
distribution costs
incl. flat rate for media

distribution costs
incl. flat rate for media

private distributor since 1 Jan 2008
e-Geodata-Austria portal since 1 April 2008

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## Development of fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Prices 1995</th>
<th>Standard fee</th>
<th>Change 1995/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cartographic model 1:50.000</strong></td>
<td>€ 1,454 / km²</td>
<td>€ 0,10 / km²</td>
<td>- 93 %</td>
</tr>
<tr>
<td><strong>Digital orthophoto colour (0,25 m)</strong></td>
<td>€ 81,39 / km² (&lt; 4 sheets)</td>
<td>€ 3,00 / km²</td>
<td>- 95 %</td>
</tr>
<tr>
<td></td>
<td>€ 56,98 / km² (&gt; 4 sheets)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Digital terrain model</strong></td>
<td>€ 11,628 / km² (10 m)</td>
<td>€ 3,00 / km²</td>
<td>- 74 %</td>
</tr>
<tr>
<td></td>
<td>€ 4,215 / km² (25 m)</td>
<td>€ 1,50 / km²</td>
<td>- 64 %</td>
</tr>
<tr>
<td><strong>Digital cadastral map (DCM)</strong></td>
<td>Basic fee € 36,336 +</td>
<td>€ 0,08 / parcel</td>
<td>up to -97 %</td>
</tr>
<tr>
<td></td>
<td>€ 0,145 (&gt;3000) - 2,907 (1-100 parcels)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Update: 10% per year</td>
<td></td>
<td></td>
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</tbody>
</table>
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### Results of new BEV pricing regime

<table>
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<tr>
<th>Significant increase of orders and subscription</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>cartographic products</strong></td>
</tr>
<tr>
<td><strong>digital orthoimages</strong></td>
</tr>
<tr>
<td><strong>digital cadastral map–num. objects</strong></td>
</tr>
<tr>
<td><strong>digital elevation model</strong></td>
</tr>
<tr>
<td><strong>digital landscape model</strong></td>
</tr>
<tr>
<td><strong>APOS: number of users</strong></td>
</tr>
</tbody>
</table>

- Increasing number of external licenses
- Development of new business activities visible
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new model for real estate register
Thank you for your attention!

Questions?
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