Latest Development of the Cadastre in the Republic of Austria

WPLA-Workshop Cavtat, Croatia, 2-3 Oct 2008

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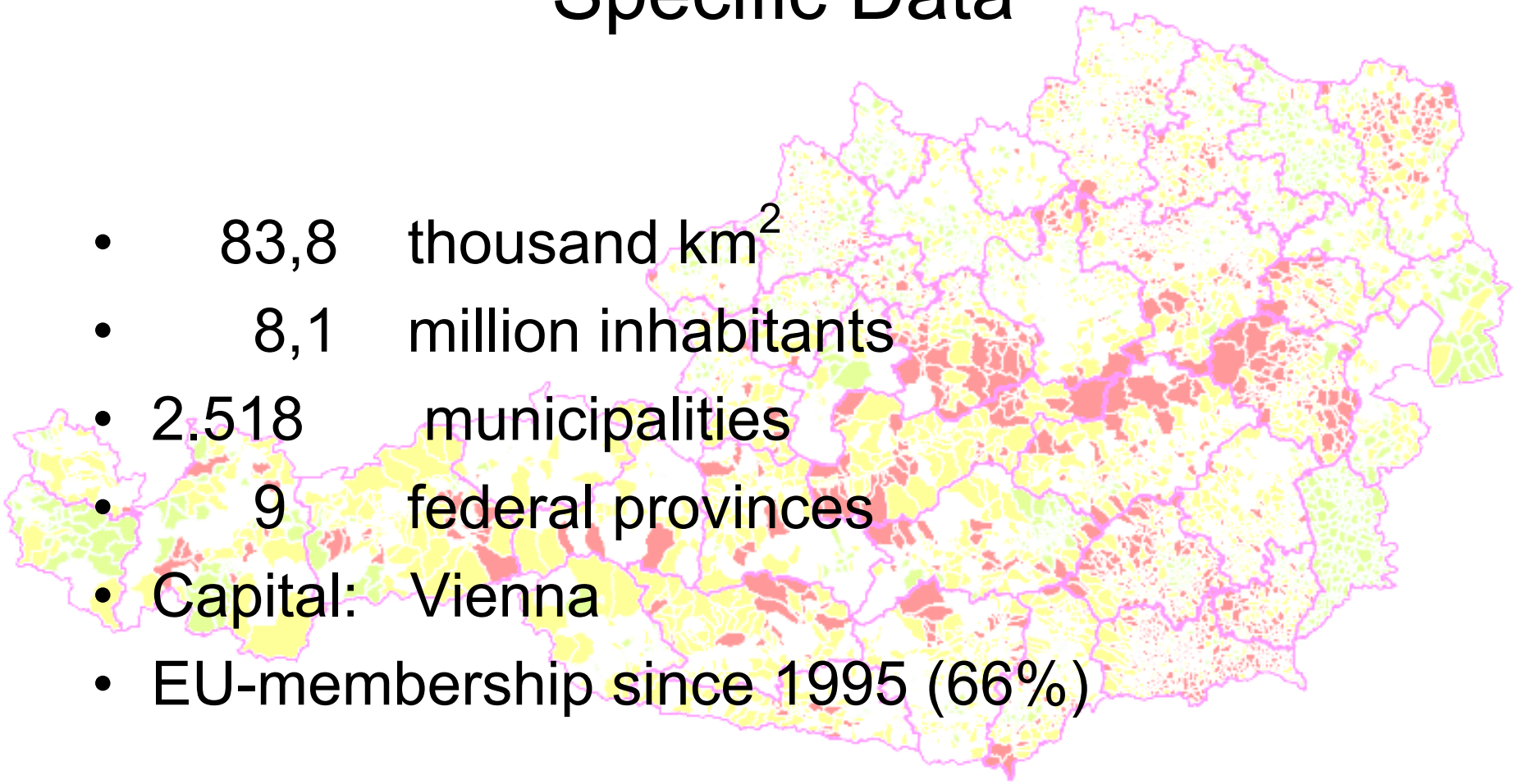
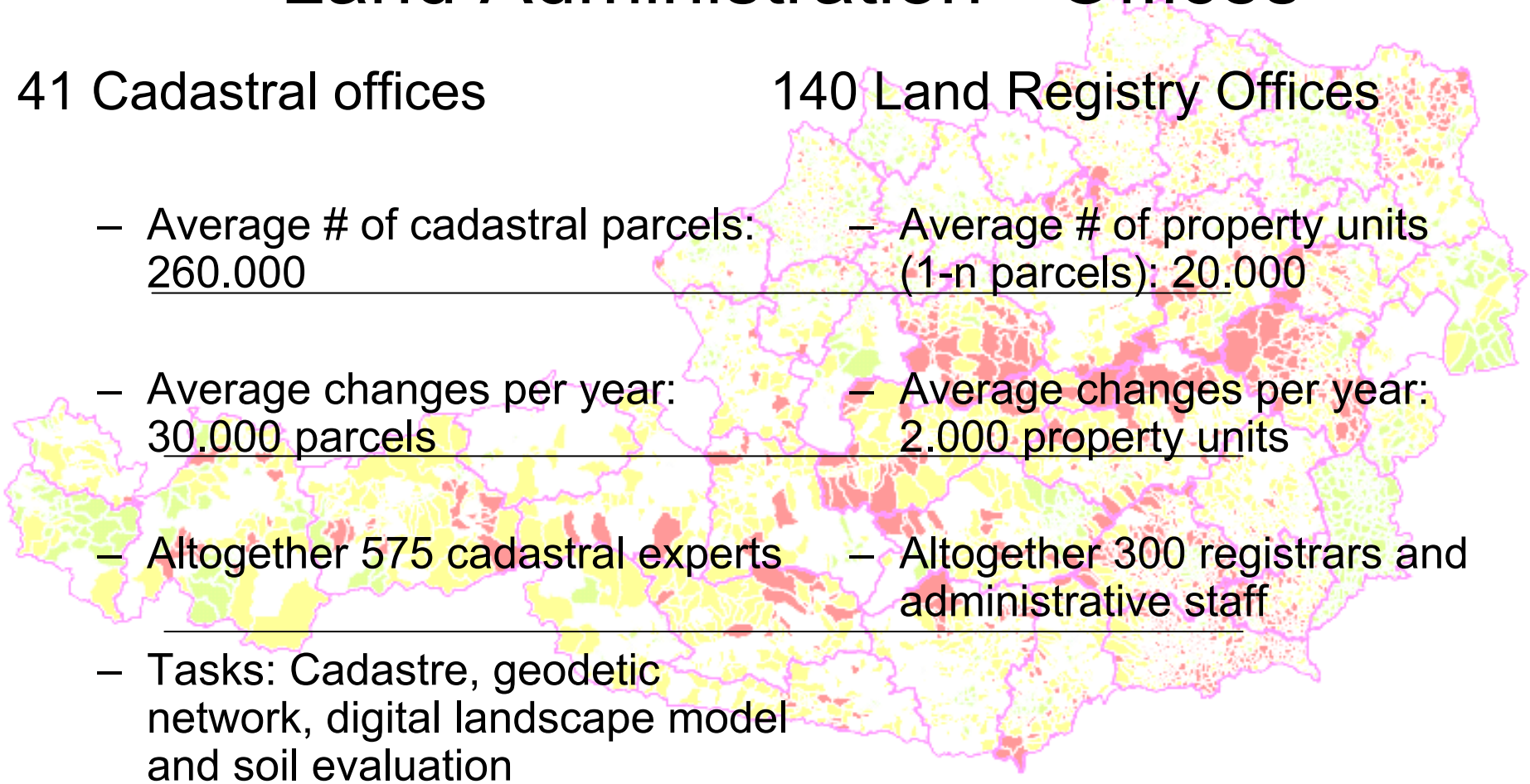
Specific Data



- 83,8 thousand km^2
- 8,1 million inhabitants
- 2.518 municipalities
- 9 federal provinces
- Capital: Vienna
- EU-membership since 1995 (66%)

Land Administration - Offices



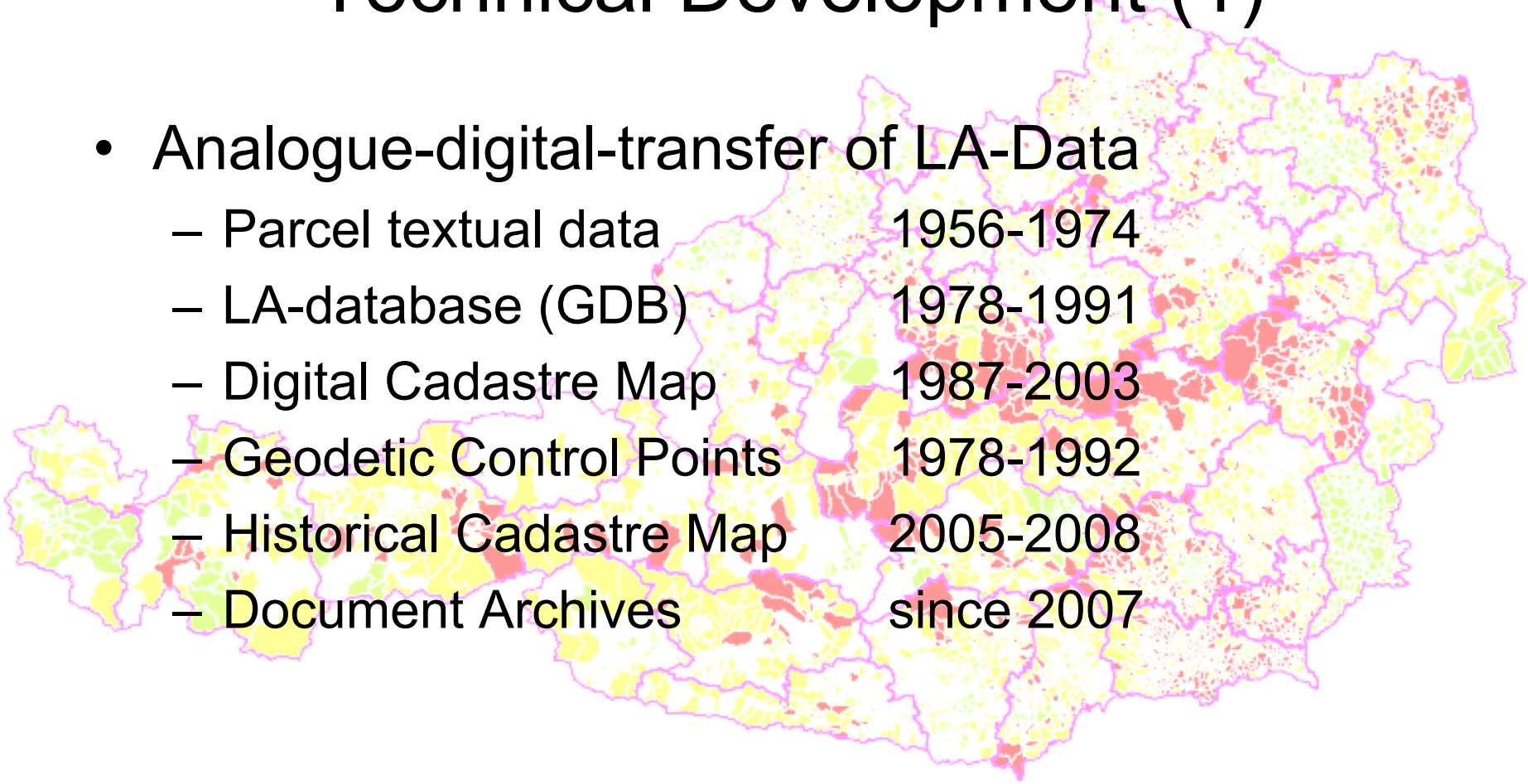
41 Cadastral offices

- Average # of cadastral parcels: 260.000
- Average changes per year: 30.000 parcels
- Altogether 575 cadastral experts
- Tasks: Cadastre, geodetic network, digital landscape model and soil evaluation

140 Land Registry Offices

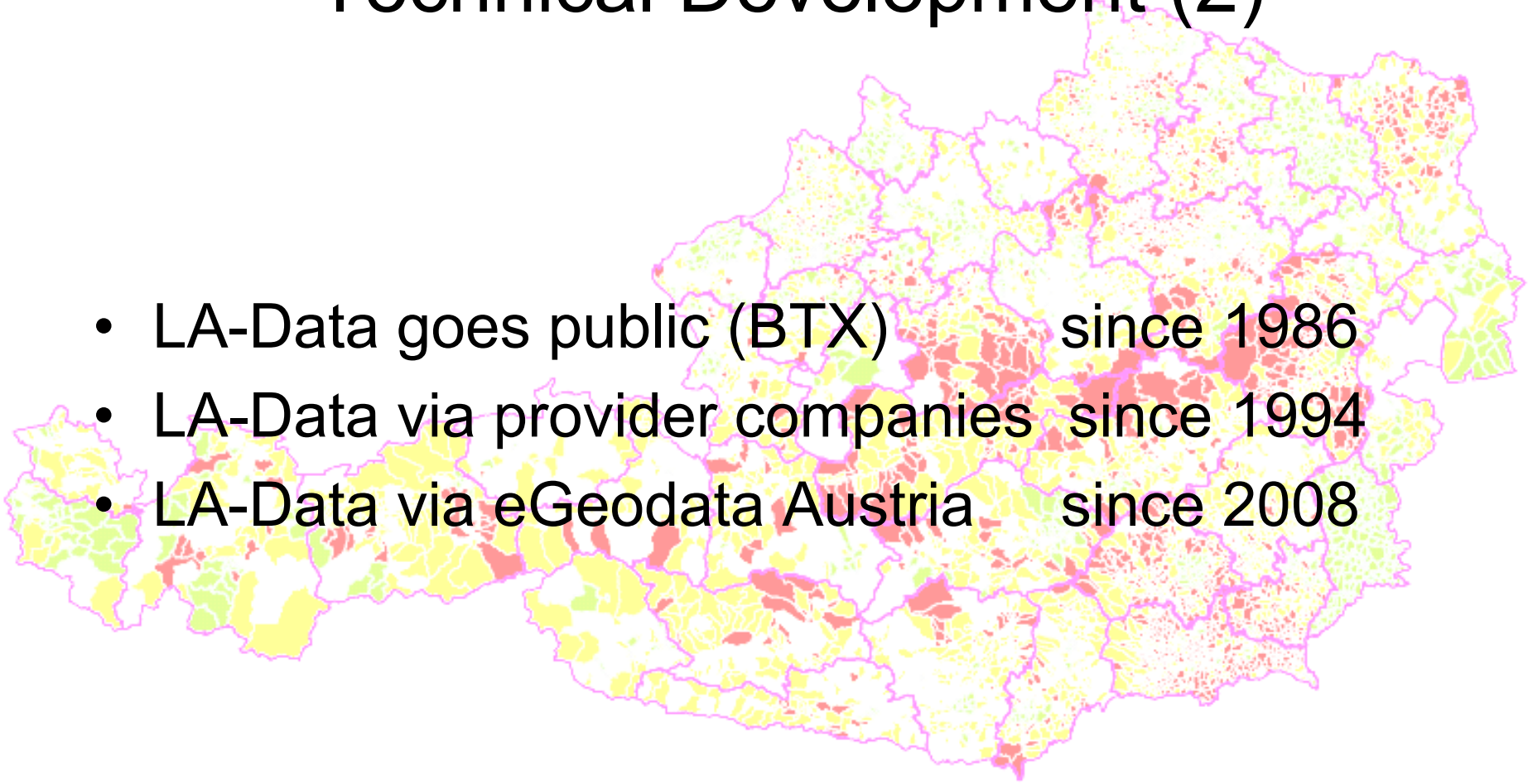
- Average # of property units (1-n parcels): 20.000
- Average changes per year: 2.000 property units
- Altogether 300 registrars and administrative staff

Technical Development (1)



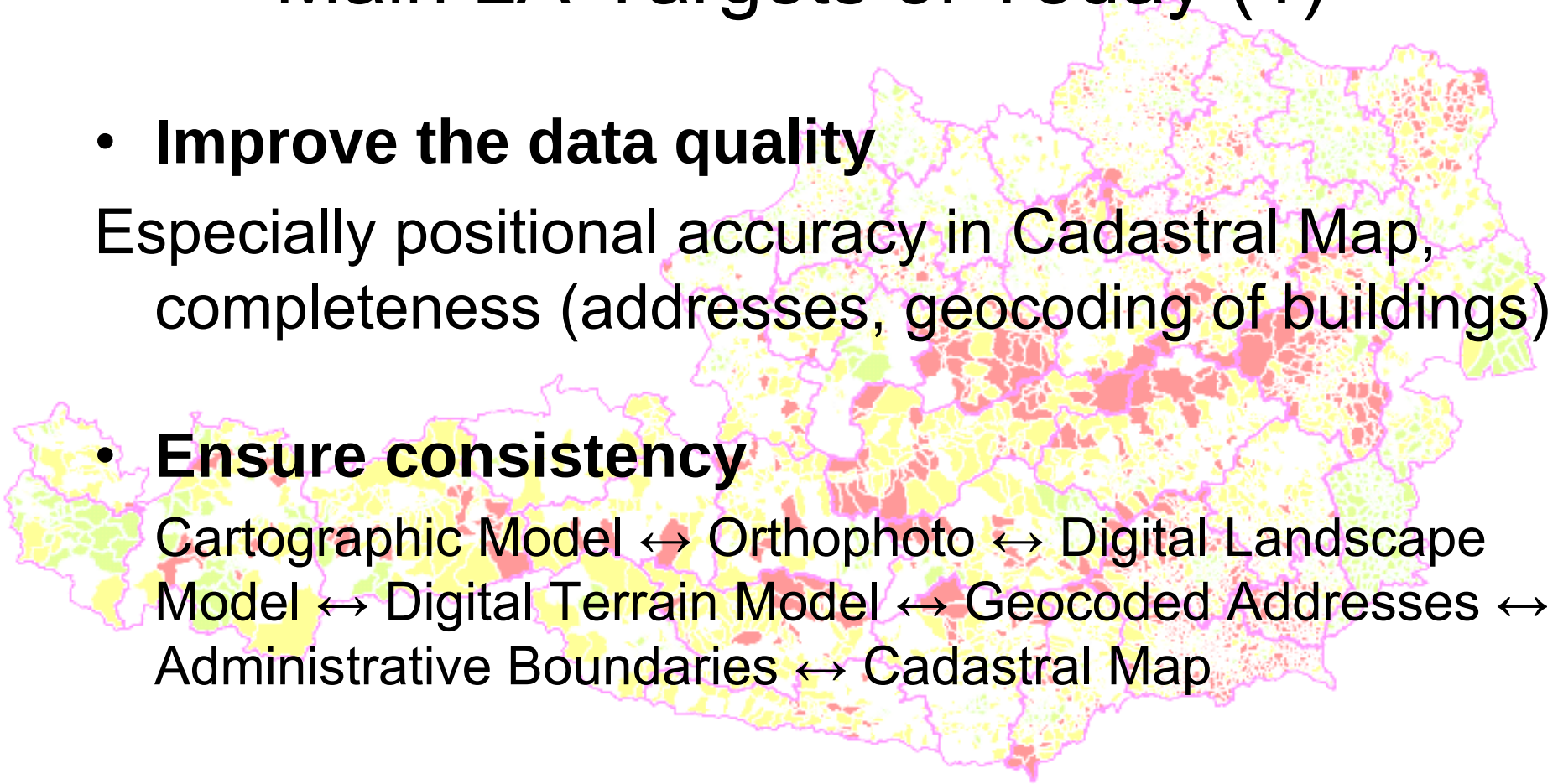
- Analogue-digital-transfer of LA-Data
  - Parcel textual data 1956-1974
  - LA-database (GDB) 1978-1991
  - Digital Cadastre Map 1987-2003
  - Geodetic Control Points 1978-1992
  - Historical Cadastre Map 2005-2008
  - Document Archives since 2007

Technical Development (2)



- LA-Data goes public (BTX) since 1986
- LA-Data via provider companies since 1994
- LA-Data via eGeodata Austria since 2008

Main LA-Targets of Today (1)



- **Improve the data quality**

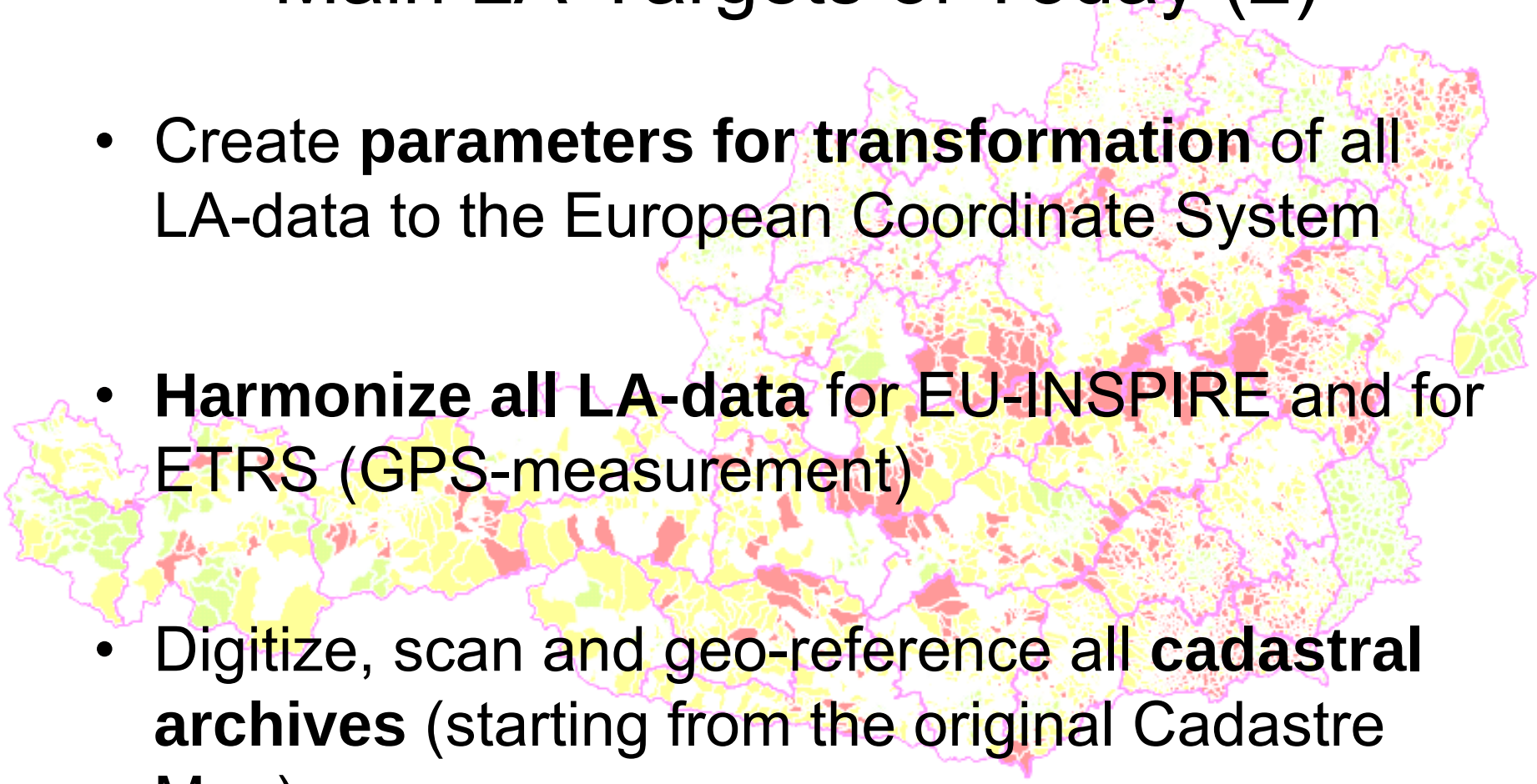
Especially positional accuracy in Cadastral Map, completeness (addresses, geocoding of buildings)

- **Ensure consistency**

  Cartographic Model ↔ Orthophoto ↔ Digital Landscape Model ↔ Digital Terrain Model ↔ Geocoded Addresses ↔ Administrative Boundaries ↔ Cadastral Map

- **Integrate digital working processes**

Main LA-Targets of Today (2)



- Create **parameters for transformation** of all LA-data to the European Coordinate System
- **Harmonize all LA-data** for EU-INSPIRE and for ETRS (GPS-measurement)
- Digitize, scan and geo-reference all **cadastral archives** (starting from the original Cadastre Map)

People and Business (1)

Milestone: Accessibility – data digital and online:

- Before 1985, the customers of the Land Registry and Cadastre had to visit these offices in person to get analogue data (no digital products)

Milestone: Quality: Copy=Original, Q=Earmarked

- Before 1988 the Cadastre Map existed as an original at the Cadastre Office and paper copies at the local municipality, at the local Tax Office and at the Land Registry Office

People and Business (2)

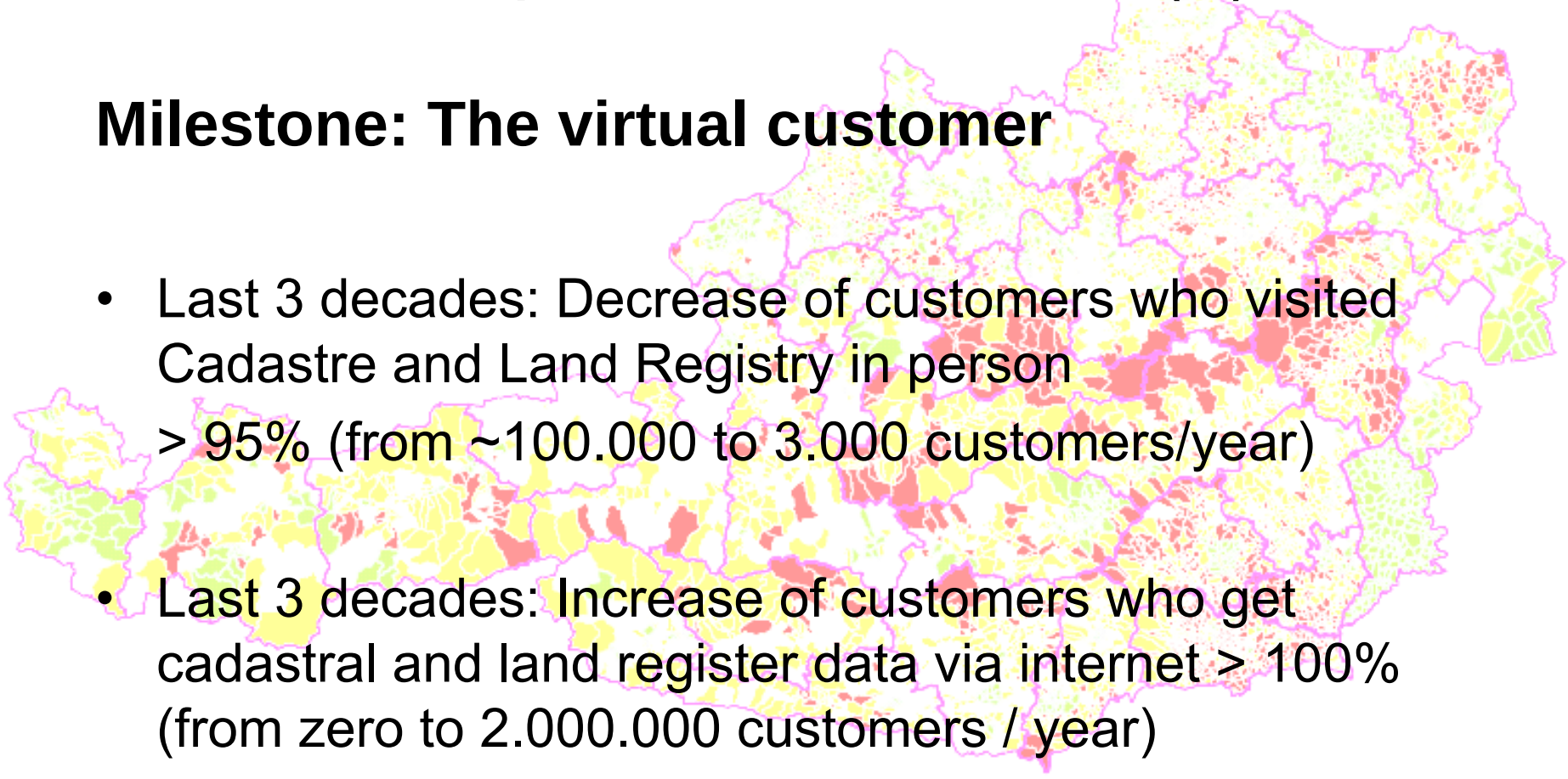
Milestone: Data Integration Cadastre ↔ Land Registry

- Starting in 1985, more and more data layers could be accessed via internet or previous technologies (beginning with textual data, later with vectors, later also with raster-data)

Milestone: Data Integration LA ↔ Topo-Cartography

- Having been built up since 2004, the eGeodata Austria internet portal of BEV allows access to (nearly) all data layers (textual and graphical cadastral and land register data, digital orthophotos, cartographic and digital landscape data, geocoded addresses etc.)

People and Business (3)



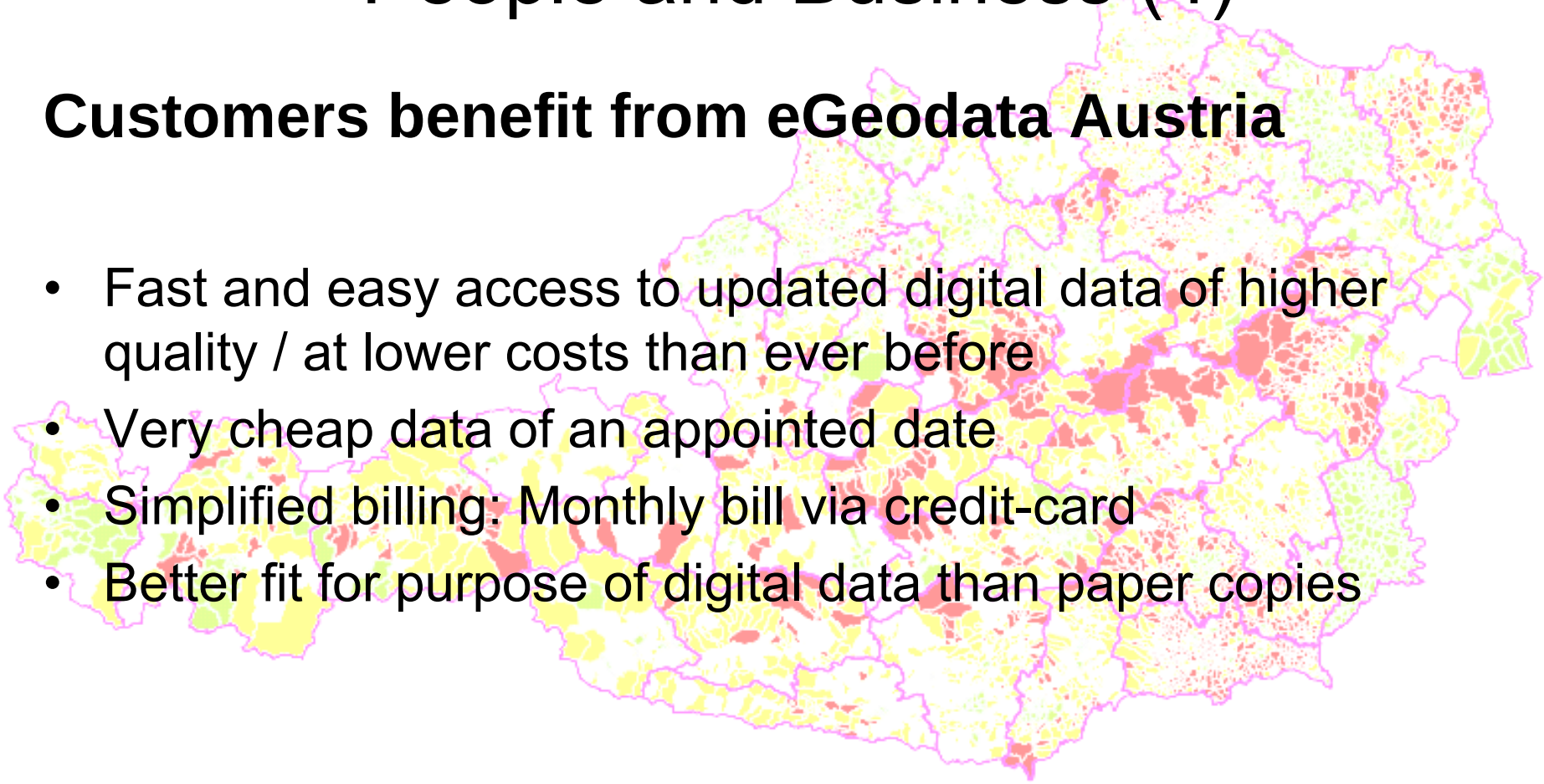
Milestone: The virtual customer

- Last 3 decades: Decrease of customers who visited Cadastre and Land Registry in person
  > 95% (from ~100.000 to 3.000 customers/year)

- Last 3 decades: Increase of customers who get cadastral and land register data via internet > 100% (from zero to 2.000.000 customers / year)

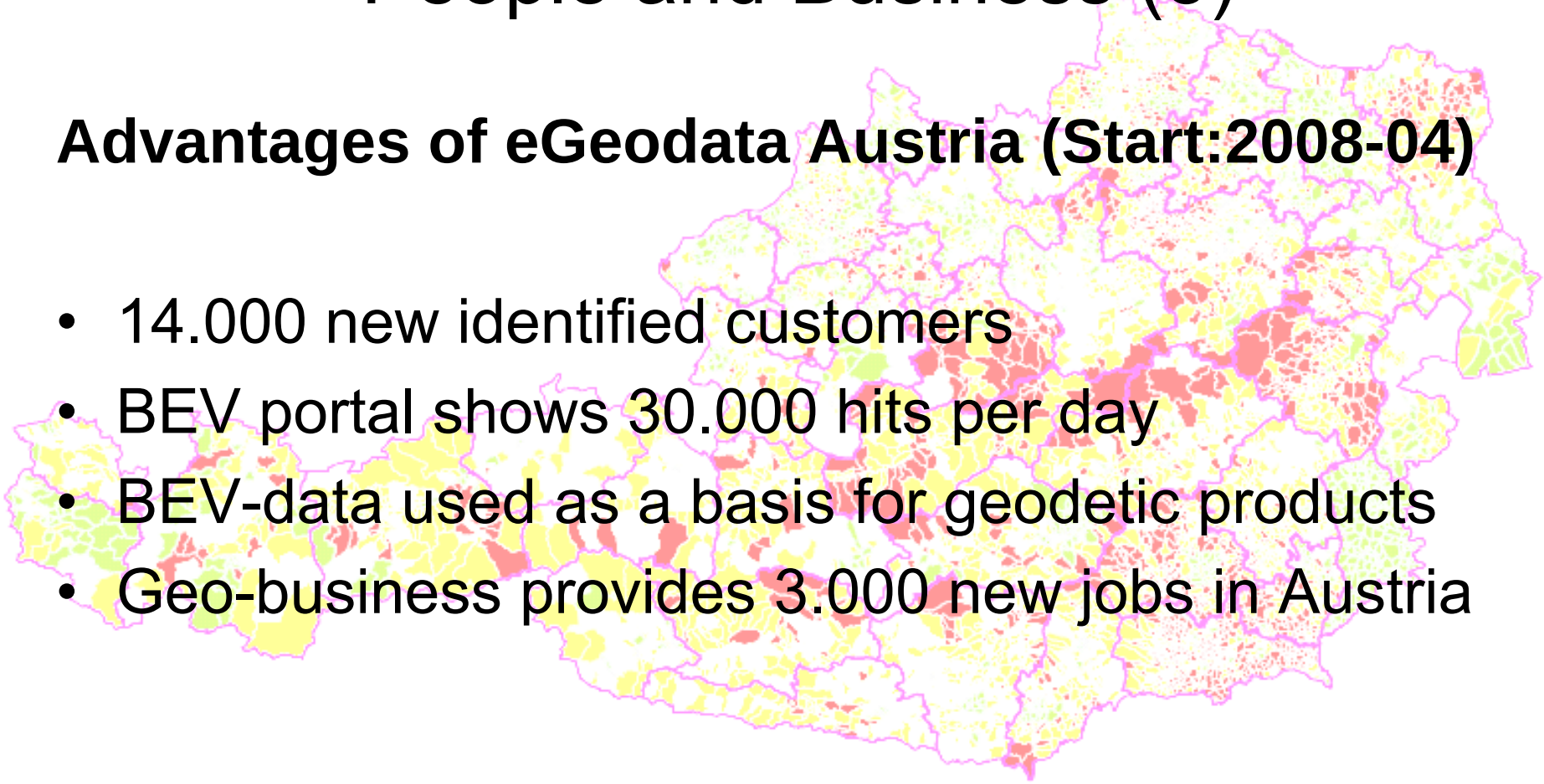
People and Business (4)

Customers benefit from eGeodata Austria



- Fast and easy access to updated digital data of higher quality / at lower costs than ever before
- Very cheap data of an appointed date
- Simplified billing: Monthly bill via credit-card
- Better fit for purpose of digital data than paper copies

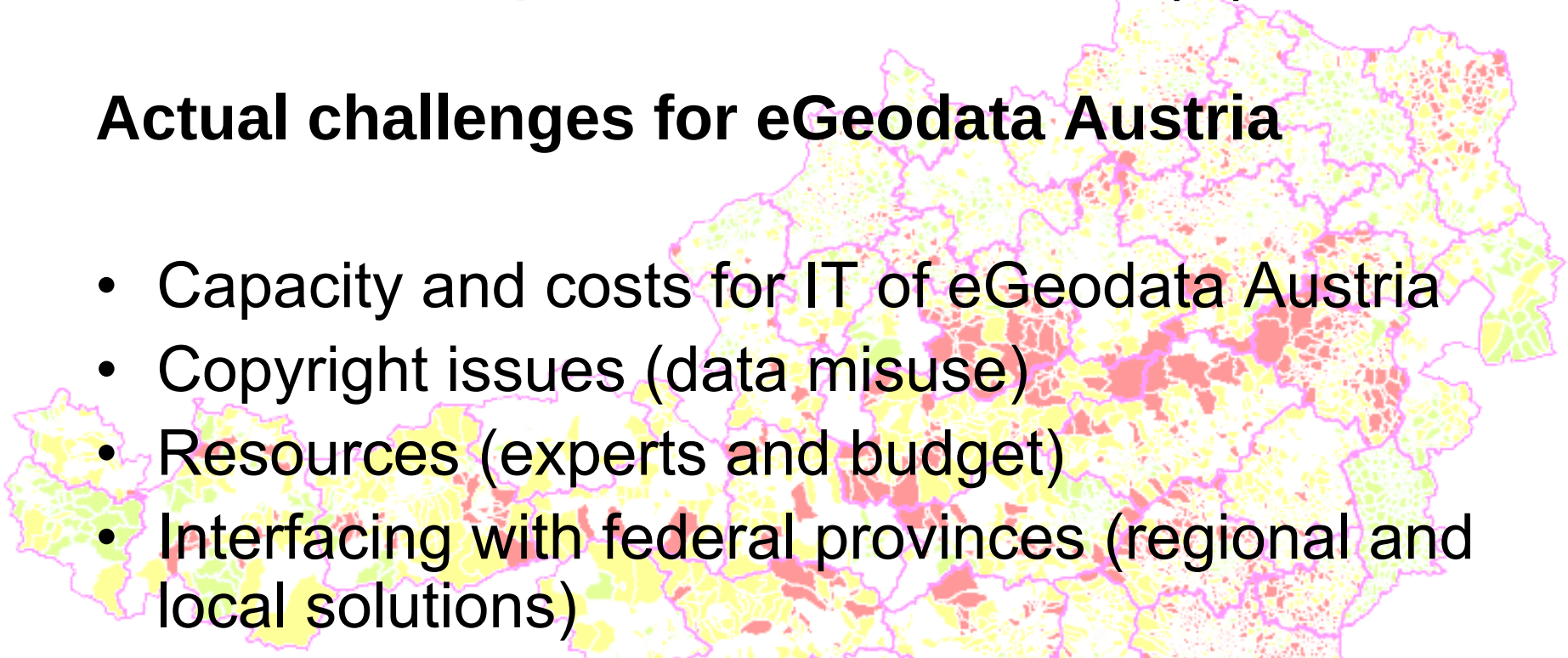
People and Business (5)



Advantages of eGeodata Austria (Start:2008-04)

- 14.000 new identified customers
- BEV portal shows 30.000 hits per day
- BEV-data used as a basis for geodetic products
- Geo-business provides 3.000 new jobs in Austria

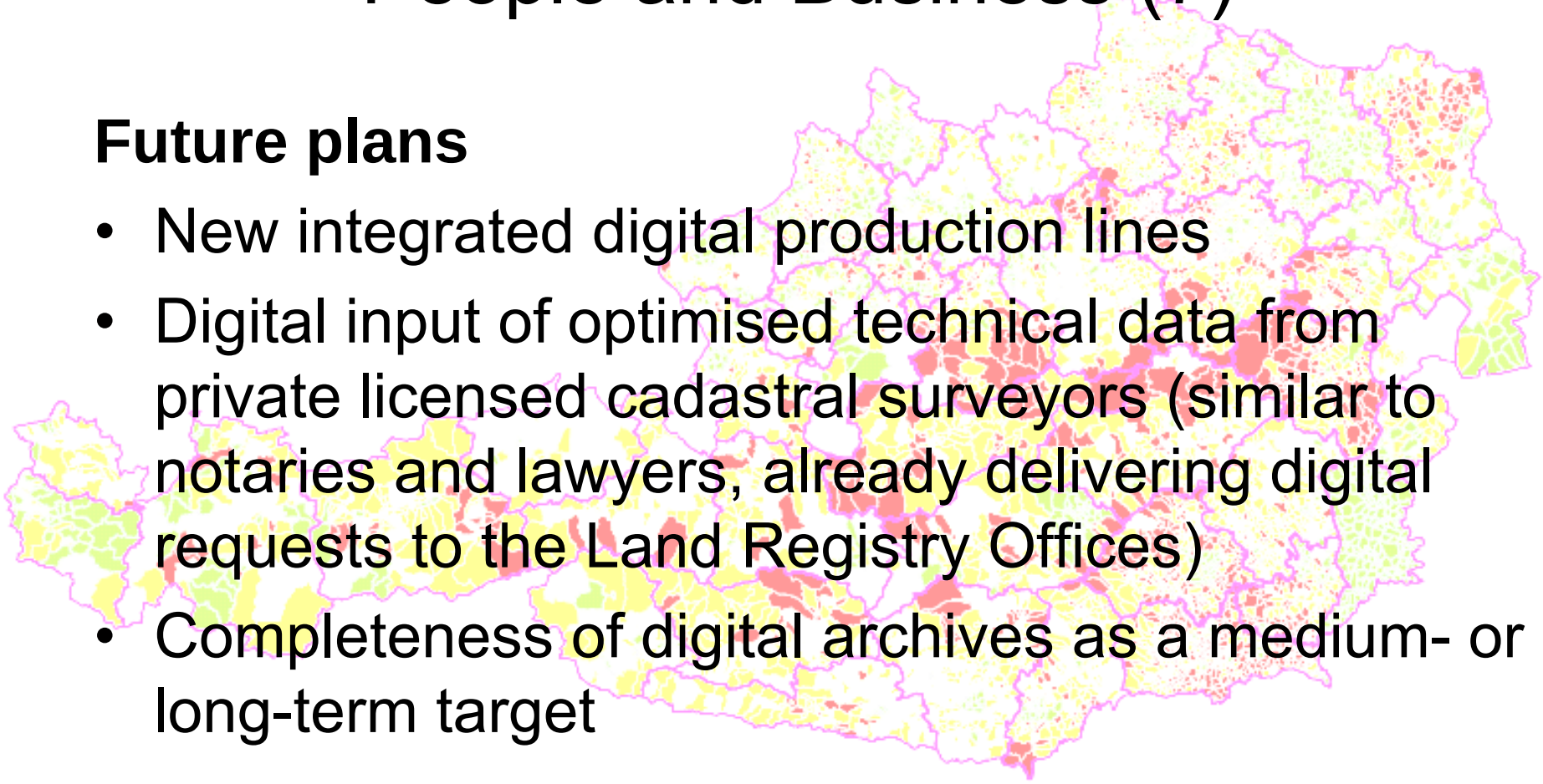
People and Business (6)



Actual challenges for eGeodata Austria

- Capacity and costs for IT of eGeodata Austria
- Copyright issues (data misuse)
- Resources (experts and budget)
- Interfacing with federal provinces (regional and local solutions)
- Implementation of EU-directives (PSI- and INSPIRE) (in Austria up to 10 laws for 1 EU-dir.)

People and Business (7)



Future plans

- New integrated digital production lines
- Digital input of optimised technical data from private licensed cadastral surveyors (similar to notaries and lawyers, already delivering digital requests to the Land Registry Offices)
- Completeness of digital archives as a medium- or long-term target