



GIS / Austrian POST

Agenda

- § Introduction & postal spatial data / overview
- § GIS / system components schema
- § Postal GIS services / overview
- § Praxis case / location analysis of postboxes

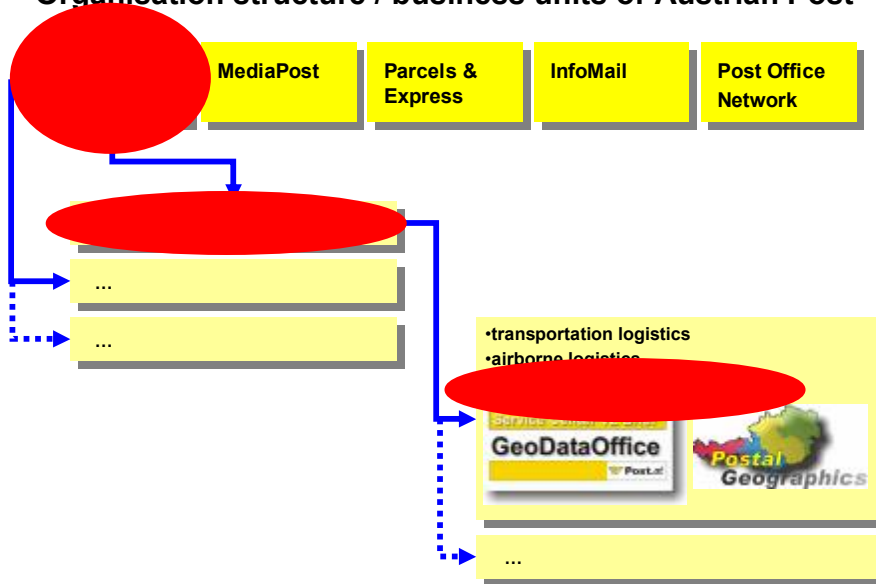


Some facts about Austrian Post / financial year 2003

§ Earnings Before Interest & Taxes / EBIT	47 Mio EUR
§ Income from Operations	53 Mio EUR
§ Operating revenue	1.532 Mio EUR
§ Employees (FTA)	27.713



Organisation structure / business units of Austrian Post

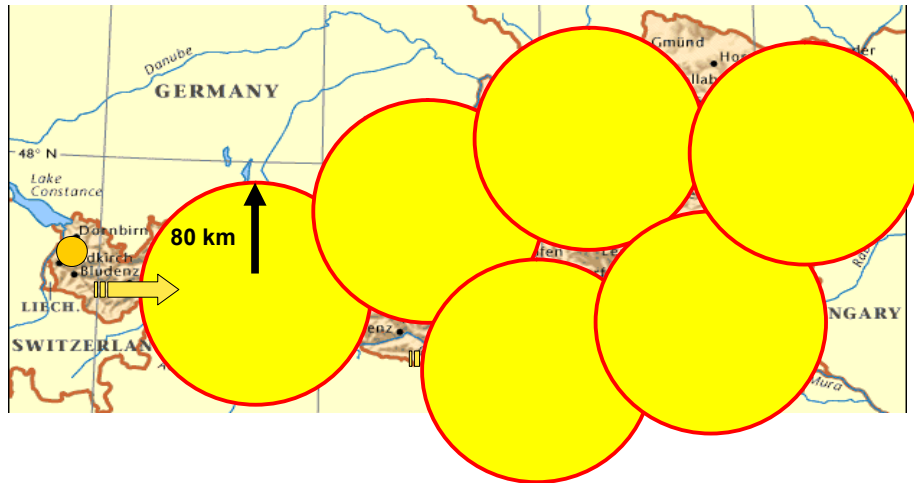


GeoDataOffice



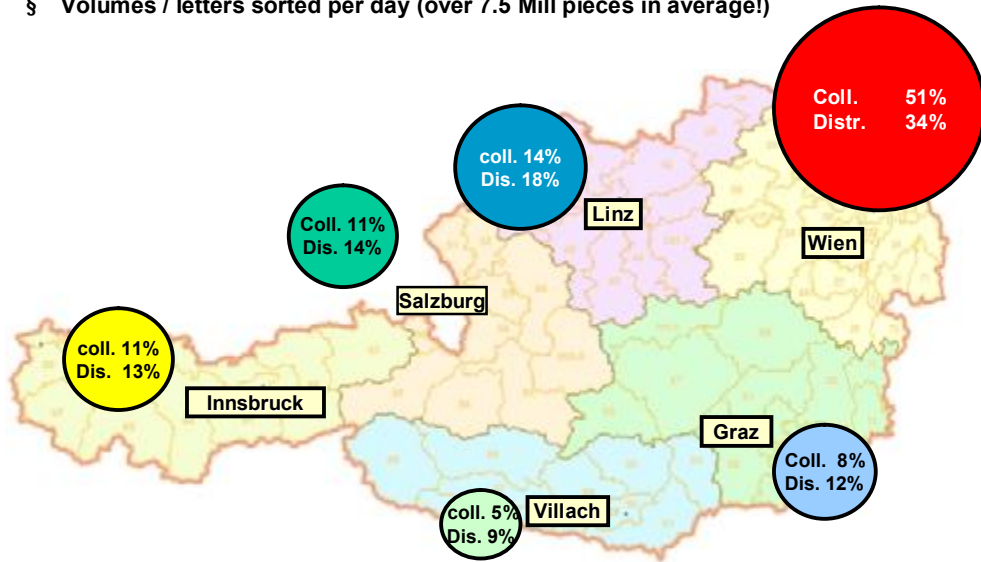
Austrian Post / business unit MAIL

§ Locations of mail sorting centers

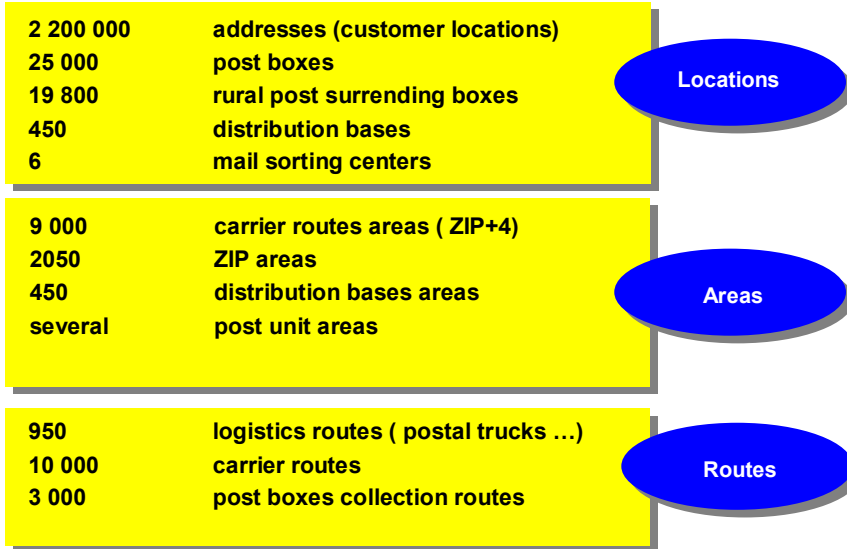


Business unit MAIL

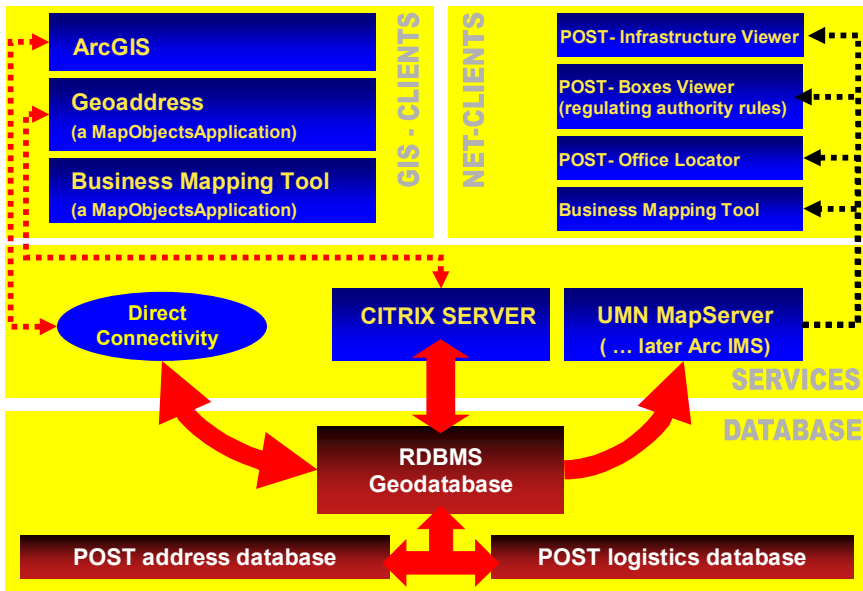
§ Volumes / letters sorted per day (over 7.5 Mill pieces in average!)



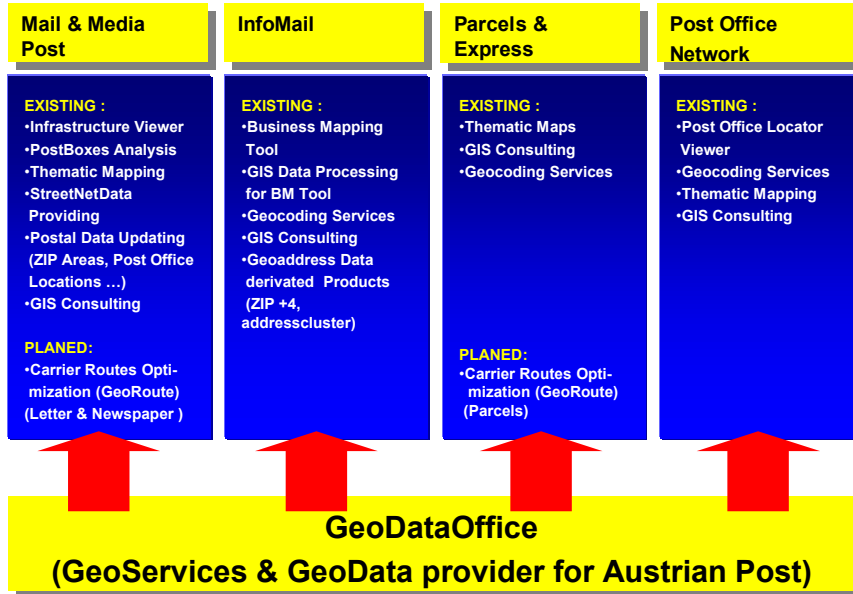
Postal spatial data



System components schema



GIS Services for POST business units



GeoDataOffice



Examples / geocoding of all Austrian addresses

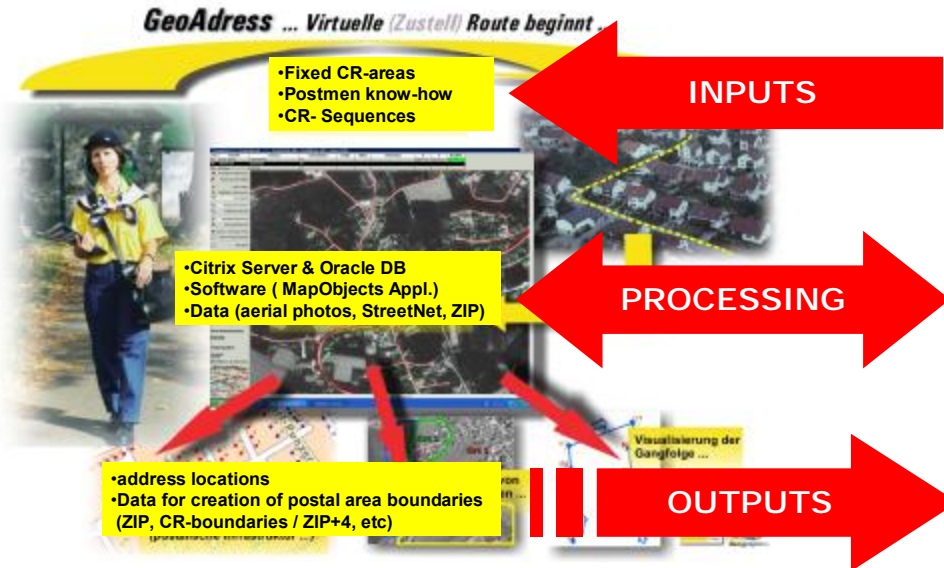


table with CR-Sequence

GD	Ordnung	5	X:	Y:	Wäh:
1	ORTSNAME	STRASSENNAME	9,134	TEST	TEST
2	ORTSNAME	STRASSENNAME	9,134	TEST	TEST

geocode the first Point

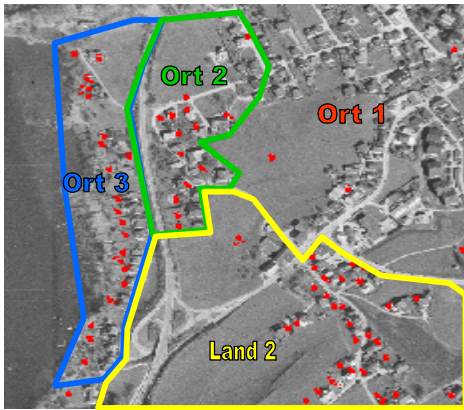
x,y online transferred to database

The screenshot shows a software interface for geocoding. At the top, a table lists data points with columns for 'GD', 'Ordnung', and '5'. Below the table is a map of a residential area labeled 'Mattsee'. Several green dots are marked on the map, with red and blue arrows pointing to them from text boxes. A red arrow points from the text 'geocode the first Point' to the first green dot. A blue arrow points from the text 'x,y online transferred to database' to the first green dot. Another blue arrow points from the text 'x,y online transferred to database' to the 'X:' and 'Y:' columns in the table. A red box highlights the first row of the table, and a blue box highlights the 'X:' and 'Y:' columns. On the left side, there is a sidebar with various map tools and a 'Karten-Infos' section. At the bottom left, there is a small map of Austria with a red dot indicating the location of the main map.

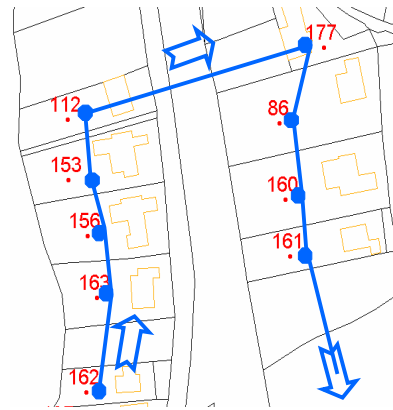


Examples / carrier routes areas

§ Boundaries of 9000 CR-areas/ZIP+4
(Thiessen Polygons ... Tessellation)



§ Visualisation of CR-sequences



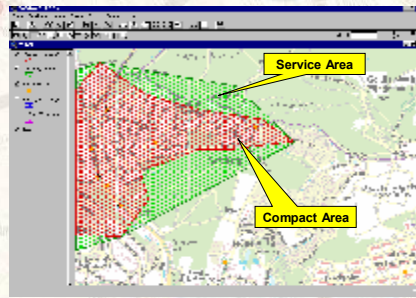
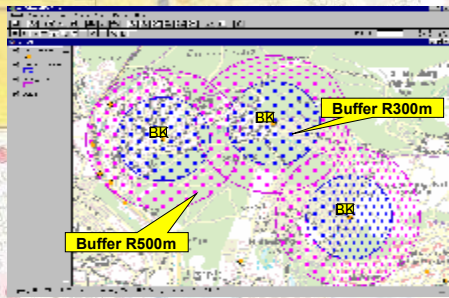
Another example – location analysis of PostBoxes (part 1)

1

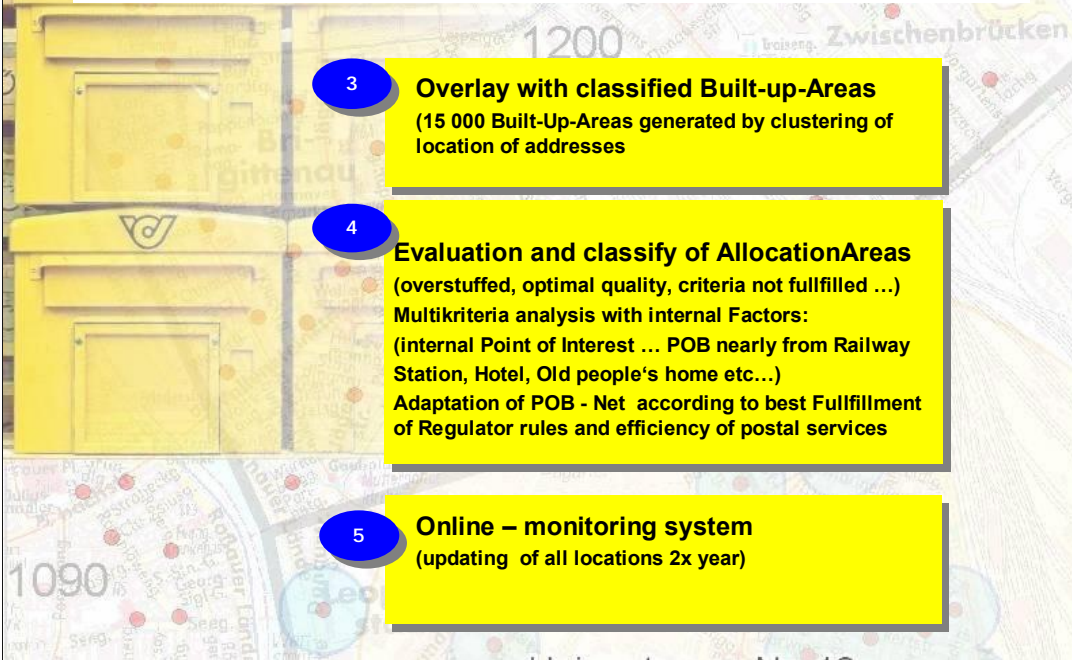
Geocoding of PostBoxes-locations
(Matching of PB-buildings addresses)

2

Creation of AllocationAreas (1 km)
(Rules given by nat. regulating authority
distance rings or distance driven areas)



Another example – location analysis of PostBoxes (part 2)



3 **Overlay with classified Built-up-Areas**
 (15 000 Built-Up-Areas generated by clustering of location of addresses)

4 **Evaluation and classify of AllocationAreas**
 (overstuffed, optimal quality, criteria not fulfilled ...)
 Multikriteria analysis with internal Factors:
 (internal Point of Interest ... POB nearby from Railway Station, Hotel, Old people's home etc...)
 Adaptation of POB - Net according to best Fulfillment of Regulator rules and efficiency of postal services

5 **Online – monitoring system**
 (updating of all locations 2x year)



Questions ???

