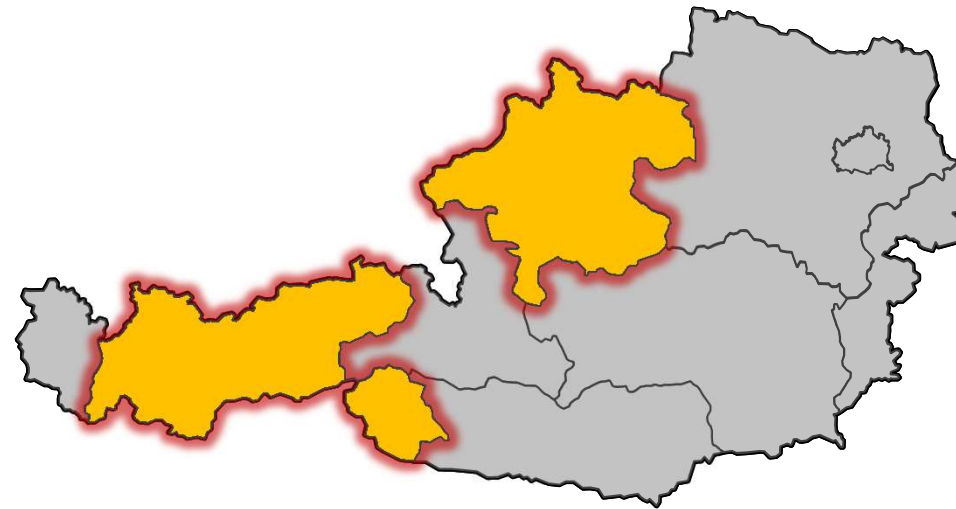
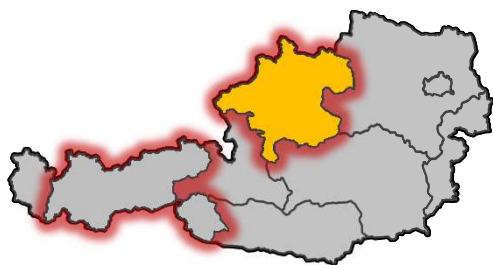


e-government



**Challenge for
financial audit**

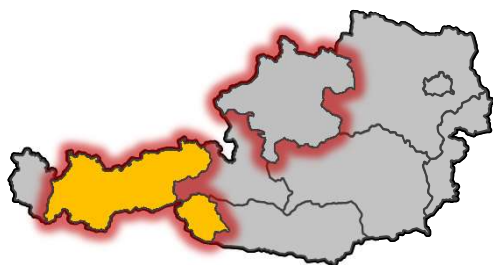
Upper Austria



- Population: 1,47 Mio.
- Area: 12.000 km²
 - 57% area of permanent settlement
- District administrations: 18
- Municipalities: 442
- GRP: 58 billions €

- Budget:
 - Revenue: 5,8 billions €
 - Expenditure: 5,9 billions €
 - ~800 IT-applications

- LRH-OÖ: 25 employees
(20 auditors)



- Population: 750.000
- Area: 12.700 km²
 - 12 % area of permanent settlement
- District administrations: 9
- Municipalities: 279
- GRP: 31 billions €

- Budget:
 - Revenue: 3,7 billions €
 - Expenditure: 3,7 billions €
 - ~400 IT-applications

- LRH-Tirol: 14 employees
(11 auditors)

Agenda

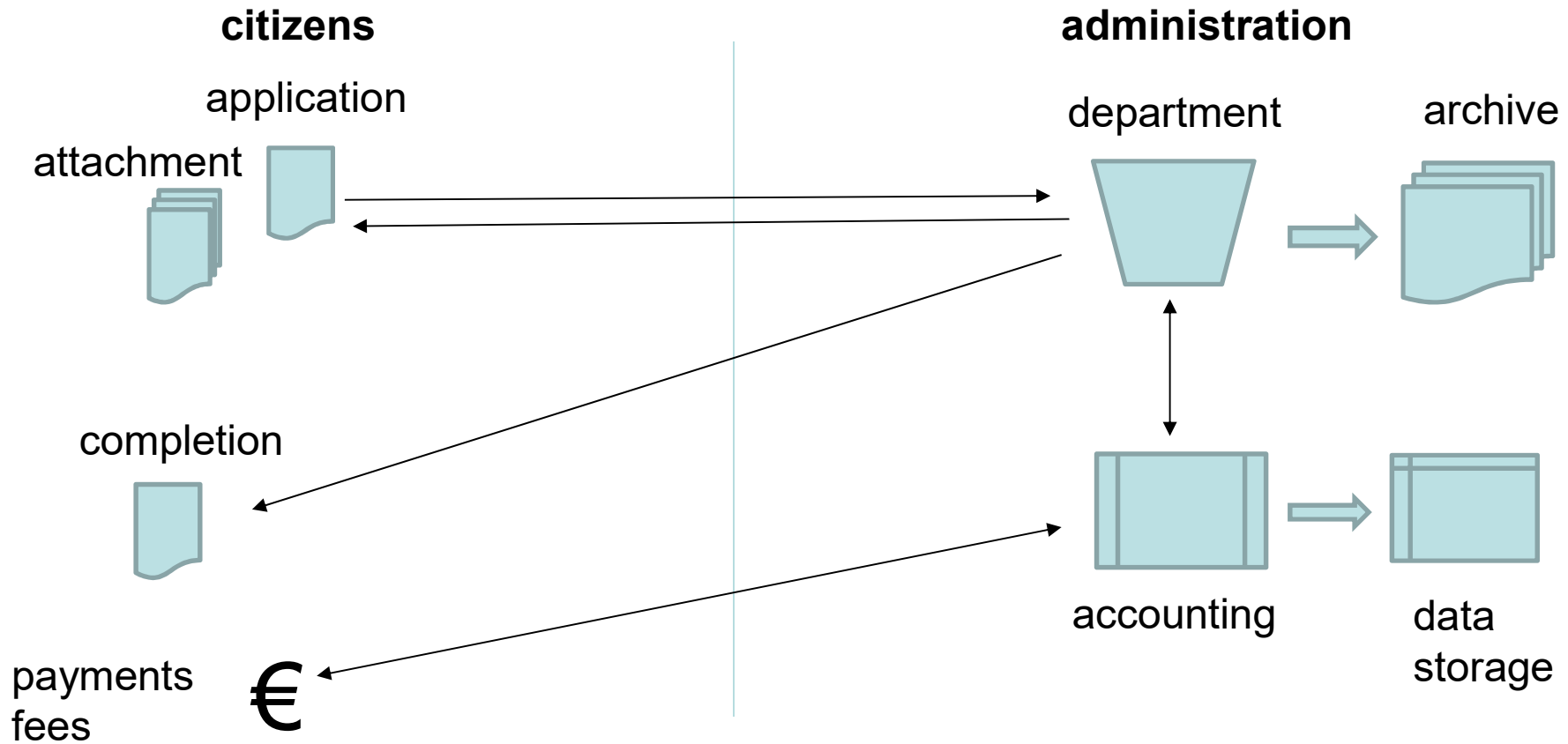
- History of file management
- Digitalization of the administration
- Impact on the audit
- Challenges

- NOT: Audit of IT-Systems
 - COBIT, ITIL, ISO certification

File management history

- 1528: first rules for file management in Austria
- approx. 1750 to 1973: rules for file management (Maria Theresia)
- from 1985: electronic information systems
- from 2000: development of e-government
- from 2005: electronic file management in Upper Austria
- from 2008: electronic file management in Tyrol

Classical process



All information provided by citizen (applicant)

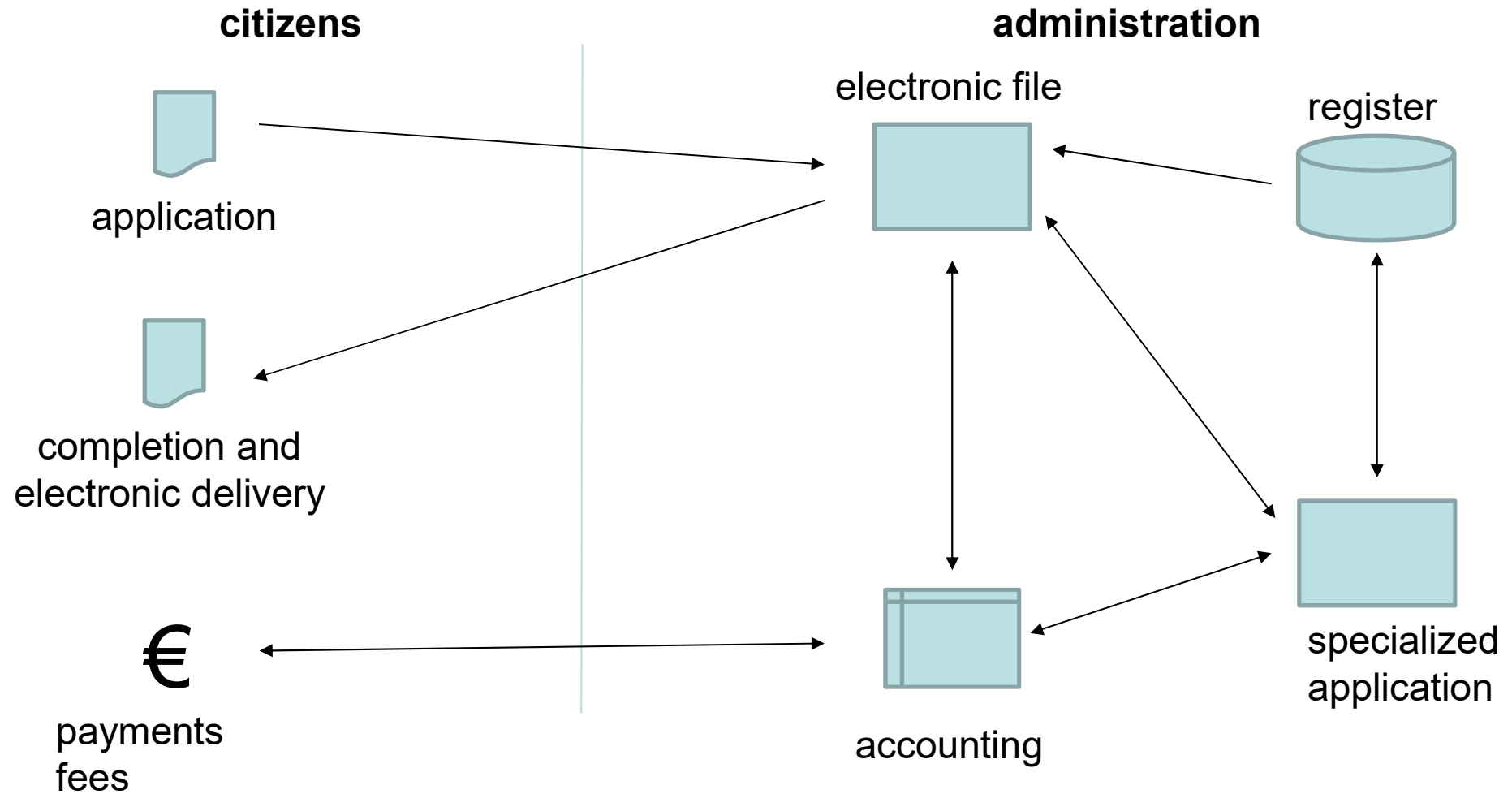
- Important initiatives
 - Electronic signature
 - Electronic financial data
 - Electronic legislation

- Central register
 - Registration registers and citizenship registers
 - Company registers, association registers, trade registers
 - Land register, building and accommodation register
 - Geographic Information Systems

Examples of applications

- FinanzOnline
 - Digital tax declaration and electronic delivery
 - One- or No-Stop Government
 - Connect to registers and databases
 - Citizen must archive receipts for 7 years
 - Donations are reported to the tax office by the recipient
 - Automatic tax declaration for certain groups

- Exceptions for weekend driving ban for vehicles > 7.5 tons
 - One application for all states in Austria
 - Applicant does not need to know the responsible authority (internet form)
 - Parallel referral to all authorities involved
 - Short lead times with electronic notification
 - Executive can check the notification in the system



Access to stored information in register

Audit - classical files

- Optical appearance gives first impression - paper file lives!
- Completion check - All sub-numbers available?
- Unstructured information - valuable information
 - Handwritten notes on documents
 - Post-its
- Process analysis (comparison with guideline)
- Files at the auditee
- Preservation of evidence by copying or scanning
- Also with paper file - Information in IT applications
 - Accountancy
 - Conveying processing



Audit - electronic files

- Much is also true for electronic files
- Advantages
 - Access from anywhere possible - No intervention in ongoing operation
 - Traceability of process is easy
 - Digital documents (eg calculate in Excel)
 - Fast search
- Problems
 - Access rights for auditors
 - No optical impression
 - Media breaks (scanning from the paper as a source of error)
 - Search function (risk of gaps)
 - Technical inadequacies (eg export of files)



Der Exportauftrag mit der Bezeichnung 'WA-531/387-2017_Vorträge' wurde gelöscht.

Bezeichnung	Exportvorlage	Erstellt am	Geschäftsfälle	Fortschritt	Status	
WA-531/388-2017	Benutzerdefiniert	25.09.2017 16:00	WA-531/388-2017	1 von 1	erfolgreich	Herunterladen
WA-531/389-2017_Kalkulation+Standardangebot	Benutzerdefiniert	25.09.2017 15:58	WA-531/389-2017	1 von 1	erfolgreich	Herunterladen
WA-531/390-2017_parallele Förderung	Benutzerdefiniert	25.09.2017 15:47	WA-531/390-2017	1 von 1	erfolgreich	Herunterladen
WA-531/391-2017_GEMEINDEN-Statistik	Benutzerdefiniert	25.09.2017 15:46	WA-531/391-2017	1 von 1	2 Fehler	Herunterladen

Audit - electronic files

- Result
 - Chronological and complete view of all documents still necessary → slower than in paper files
 - Personal workings of the auditors will change (eg print of certain / all documents)
 - The design of the workplace for auditors is changing

- Challenges
 - Organizational: dealing with electronic file at the auditee (structure and keywords)
 - Preservation of evidence: Print or save or save only path
 - Make electronic files audit-friendly (eg access, reports)

Specialized applications

- Specialized applications = special IT-applications
(eg calculation for government aid)
- with interfaces to
 - electronic files,
 - registers,
 - accountancy.
- Types
 - Customized individual software
 - Standard software

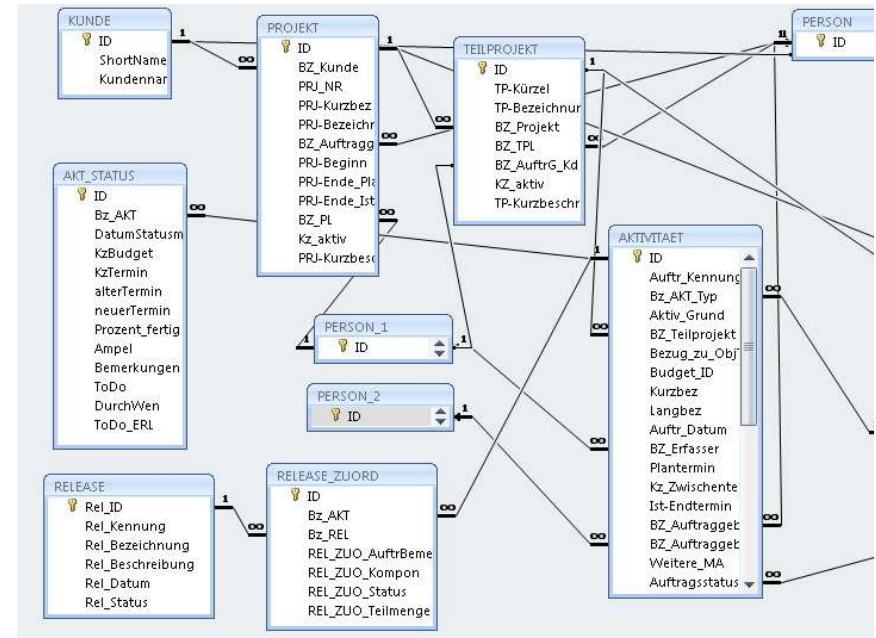
Audit - specialized applications

- Access for auditors
 - Evaluations and queries depend on the existing functions of the application
 - Auditor needs knowledge of the application

- Reports by auditee (overview)
 - Evaluations and queries depend on the existing functions of the application

- Data export (single data record)
 - Export from specialized application database

- Data export from specialized applications
 - Request „relevant“ data (data available?)
 - More data available?
 - Data model
 - Documentation or user manual
 - „Screen“ (Input mask)
- Data export by auditee
 - Single data records (no summation)
- Check of data export
 - Plausibility
 - Sampling
- Interpretation
 - Filter/pivot/stratification
 - Statistics



Datenbankschema (Quelle: <https://de.wikipedia.org/wiki/Datenmodellierung>)

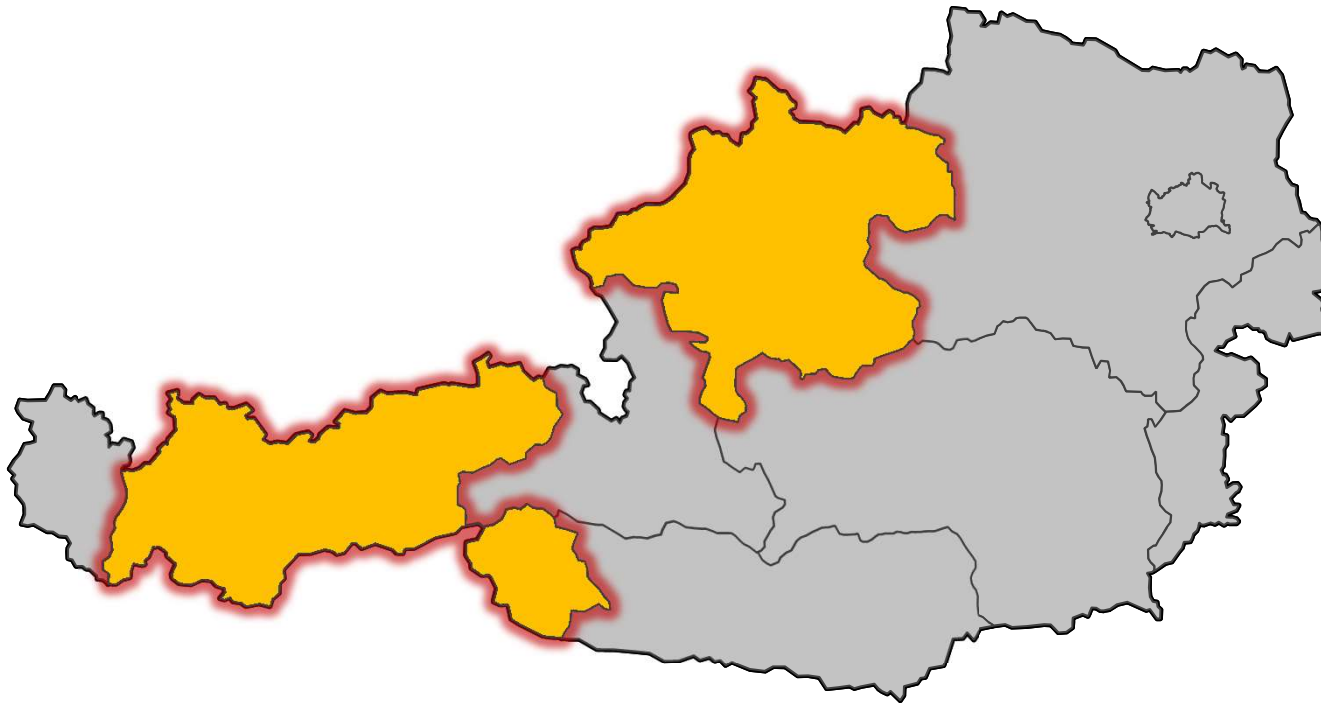
- Privacy policy (EU General Data Protection Regulation)
- Data security (EU-directive concerning security of network and information systems)
 - Are solutions secured against unauthorized access?
 - Backup concept - archiving
 - Security against manipulation
- Equipment of workstations
 - Hardware
 - Software licenses



Challenges

- Auditors need to bring in know-how, as well as mastering and constantly developing techniques and methods
- Audit organization must promote knowledge building or provide knowledge
- **Auditors must have basic digital competences**

¡Gracias por la atención!



Thanks for the attention!