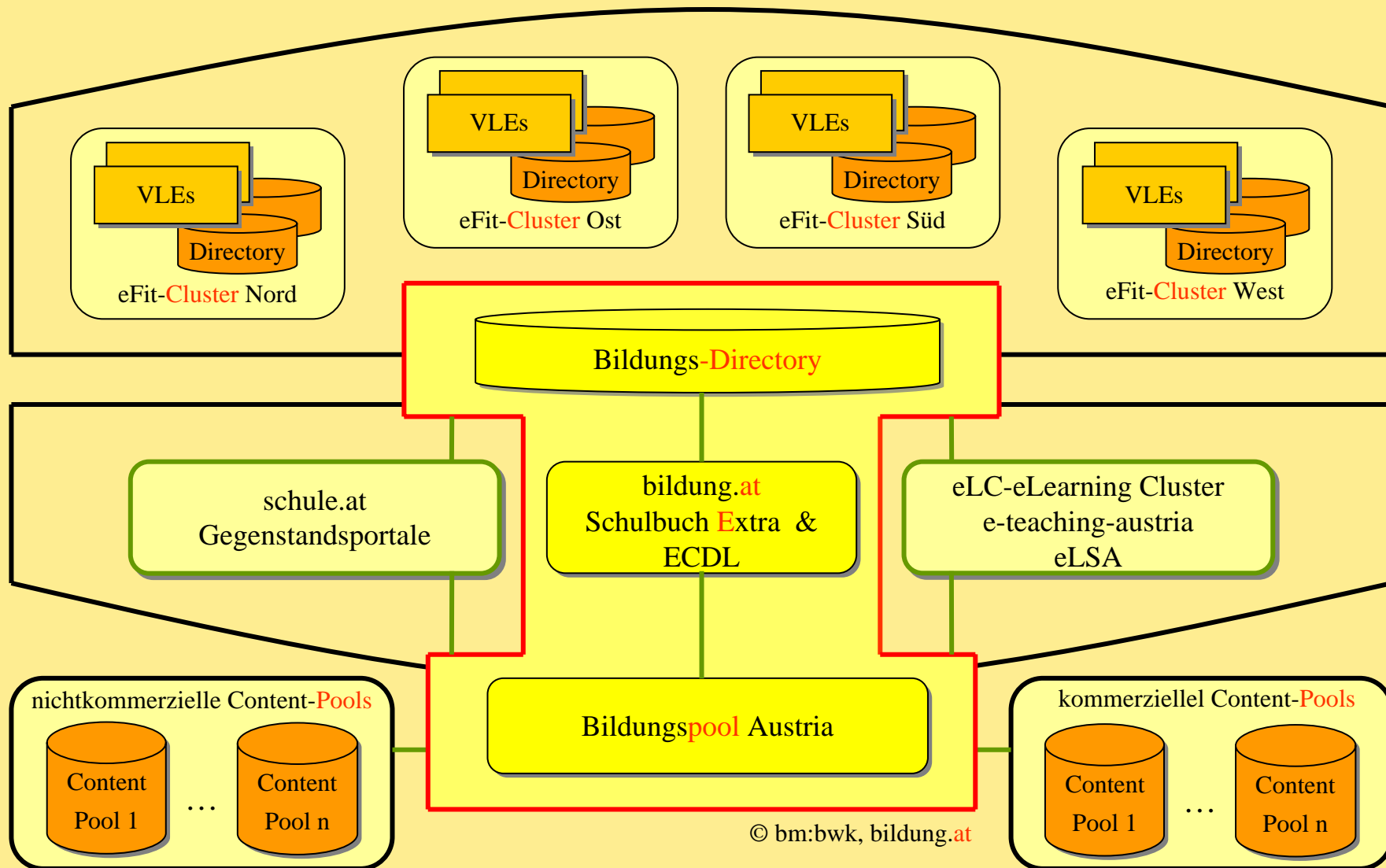


Identity & Digital Right Management

thomas.menzel@bmbwk.gv.at

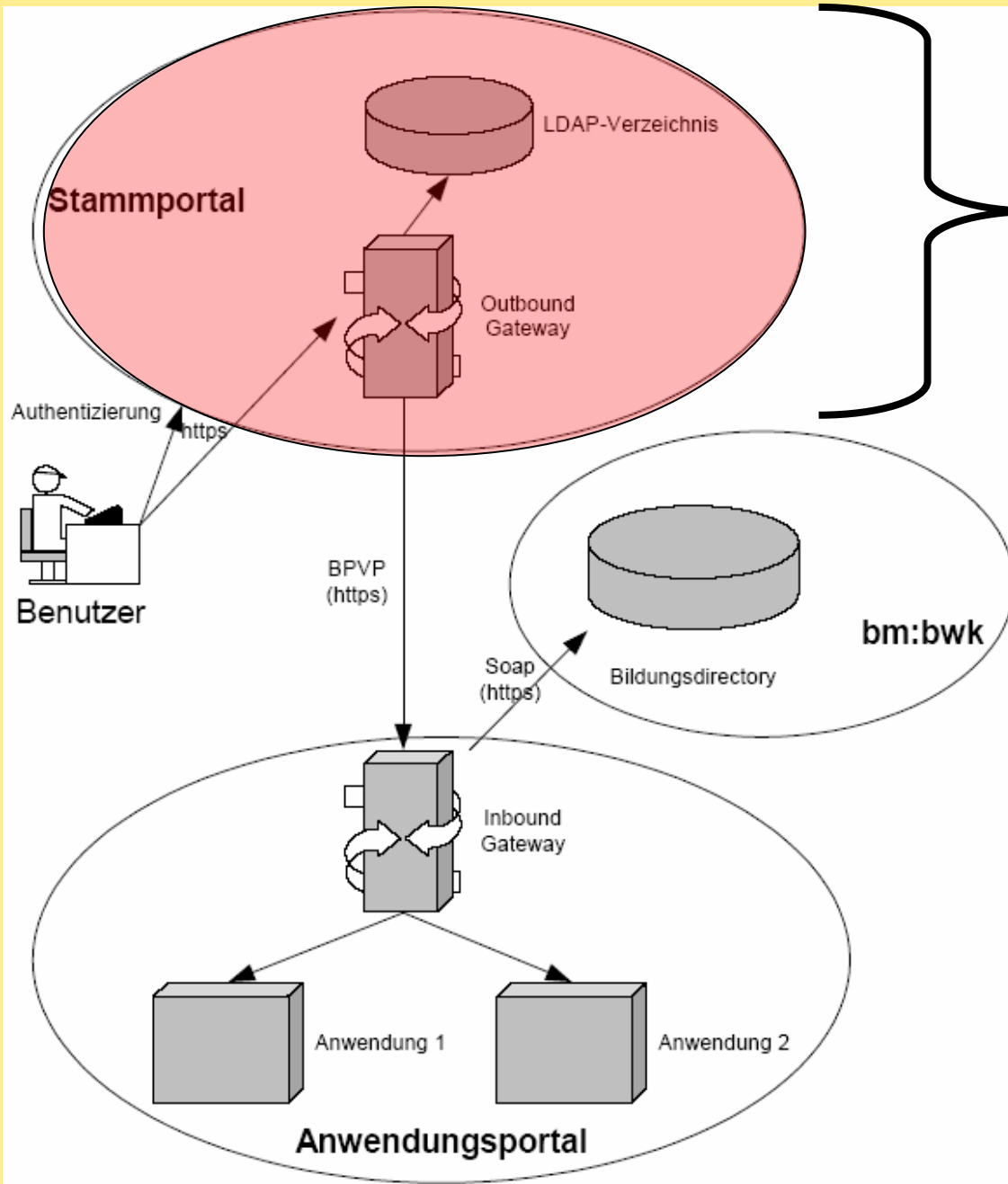
eLearning Architecture Austria



Needs for networking of portals

- Reduce effort for user-administration
- Copyright protected material on educational-plattformen
- Internal class or school projects
- Weblogs
- Personalization of the web-appearance
- edu.cards
 - Smartcards with electronic signature
 - Directory necessary in the sense of the signature directive
- Dataprotection
- Within School-Administration: Right-Management
- eContent-Brokerage

- E-Gov conformity
 - PVP as a core-element of Austria's E-Gov-Strategy
 - Ldap.bildung.gv.at as a subtree of ldap.gv.at
- Interfaces for import and export of actual scholar data
- Distributed Directories and Portals
- Technical Standardisation
- SW-Requirements for the client
- Data protection

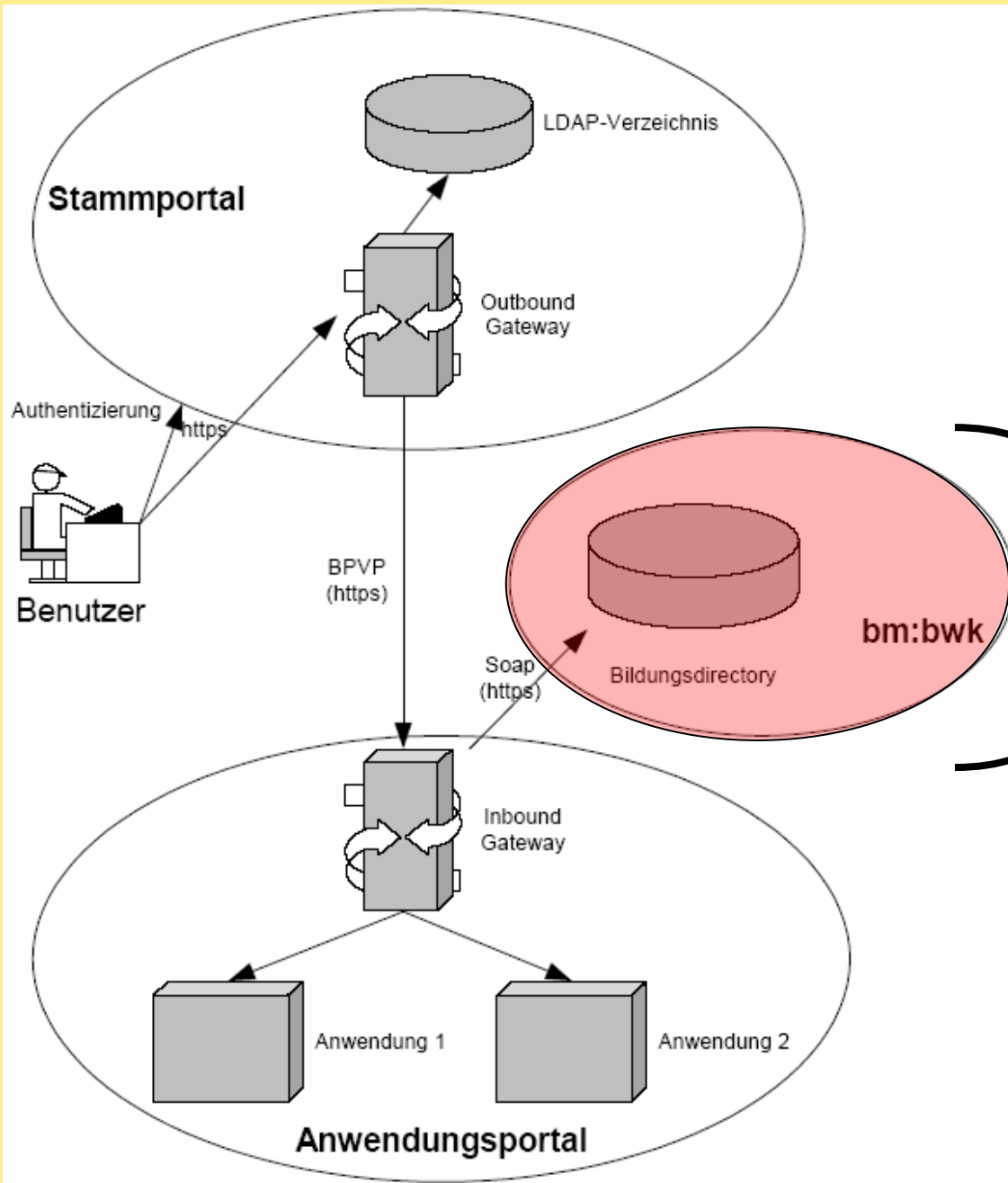


Portal for Users

- User ID-Data
- User Rights
- Secure Identification of users
- Operated by counties or Educational clusters

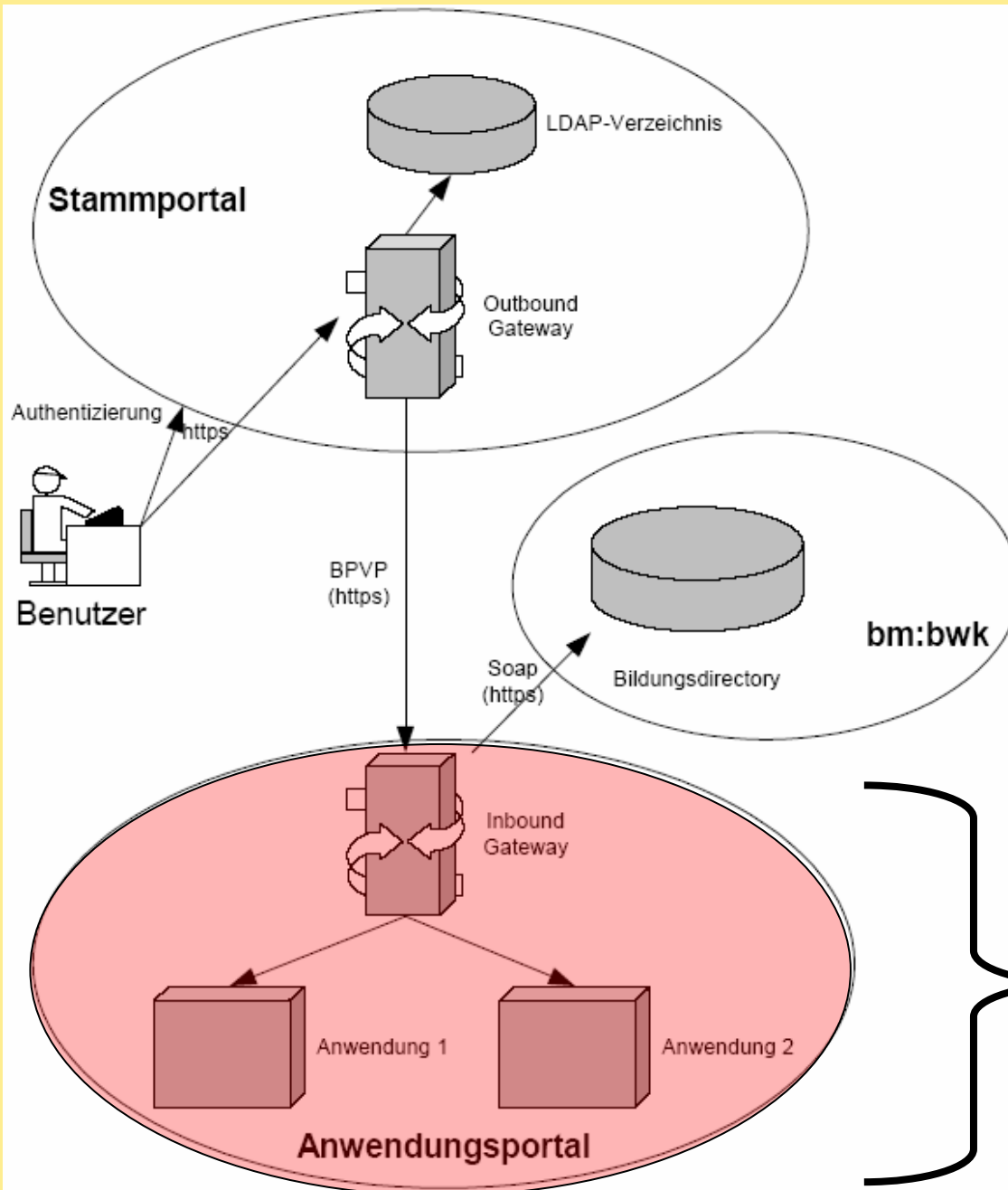
Outbound Gateway

- General interface for outgoing traffic
- Checks validity of user requests
- Generates BPVP-header-information



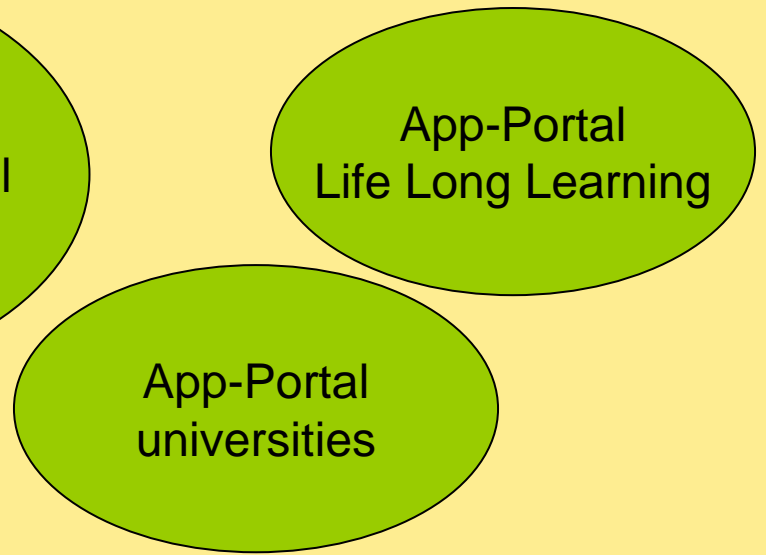
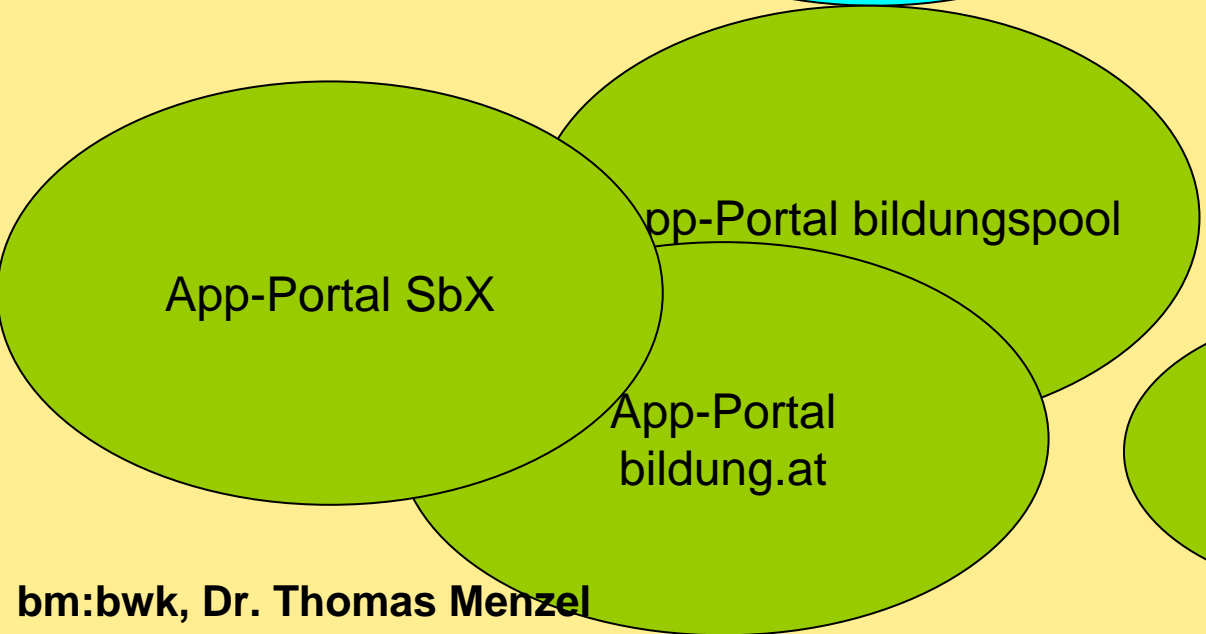
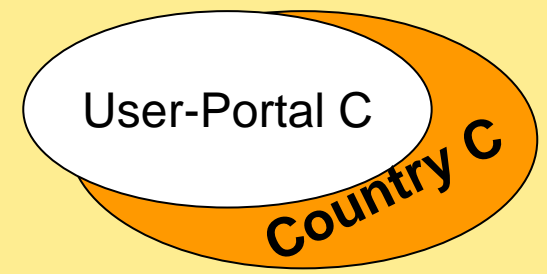
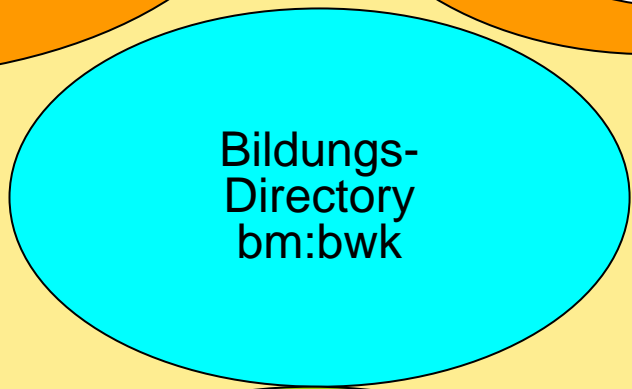
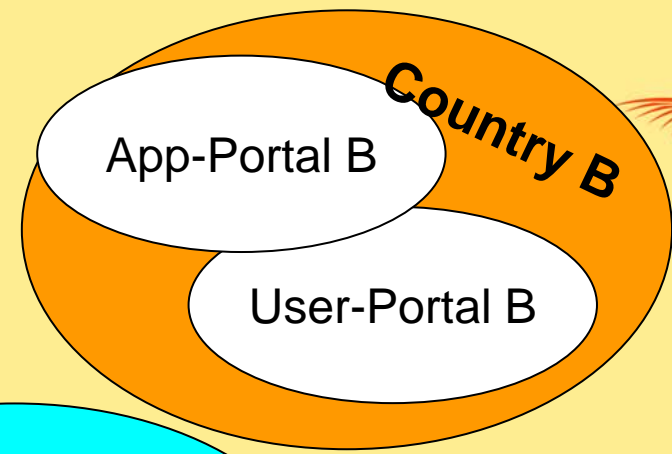
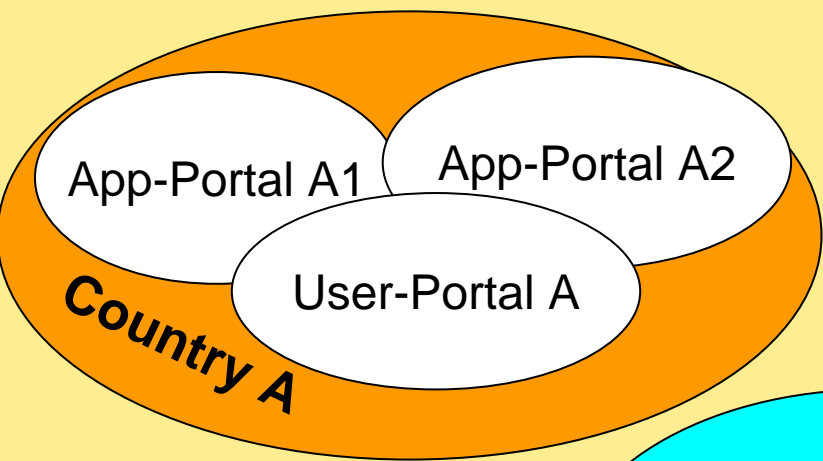
Leading Directory

- Rights of user-portals
- Rights of application portals
- General definition-table of User-roles
- Operated by Federal Ministry



Portal for Application

- Dissemination of content
- No need for administrating User data
- Operated by application providers (federal and local)
- Inbound-Gateway (distributes content and trusts userportal and outbound-gateway)



Network Partners



Technology-Providers

SbX
(Bitmedia)

CSD

Repository
(BearingPoint)

Application-Portals

Repository

Bildung.at

SbX

Architecture

BPVP
Specification
BMBWK

BilDir
BMBWK

User Portals

Vorarlberg

Tirol

Stammportal Bund
BMBWK

- Reducing administration effort
- Single sign on
- Open and published standards
- Flexibility
 - Participants in educational sector develop own solution according to specification
 - or use „out of the box solution“ for user- and app-portal provided by bm:bwk
 - Licenses for all federal schools
- Harmonized with national E-Gov-Strategy
- Scalable

Datensatz für edu.card & edu.gate



| | Aus Bildok | Aus SchulVwSW | Ausstellung edu.card | edu.gate |
|--|---------------|------------------|-------------------------|----------|
| Geburtsdatum | X | | | |
| Schulkennzahl | X | | | |
| Klasse | X | | | |
| Heimatort PLZ | X | | | |
| Heimatort Name | X | | | |
| Vorname | | X | | |
| Nachname | | X | | |
| Schülerzahl | | X | | |
| Lichtbild | | | X | |
| Verkehrsinfo | | | X | |
| <i>Personenbindung</i> | | | X | |
| Zertifikate | | | X | |
| Rolle des Benutzers (Lehrer, Verw, Schüler, Eltern) | | | | X |
| Applikationsrolle (zB SbX-Admin) | | | | X |
| eMail-Adresse | | | | X |
| <i>4. Identifikator ZMR</i> | | | | X |
| <i>BPK</i> | | | | X |

**Thanks
For the Attention**

Questions

Questions

Questions

AND

Discussion

Discussion

Discussion

