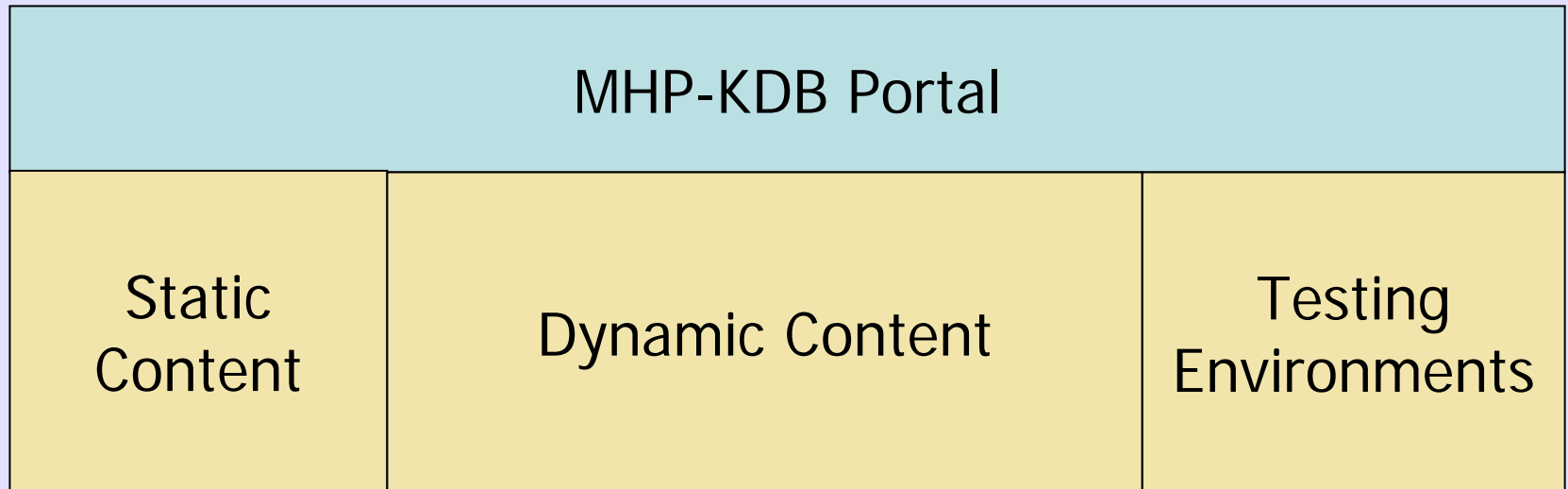


The MHP Knowledge Project

The MHP-KDB Portal

Marcel Langlois
IRT / Information and Data Services

The MHP-KDB portal



- MHP Guide
- Reports
- Q & A

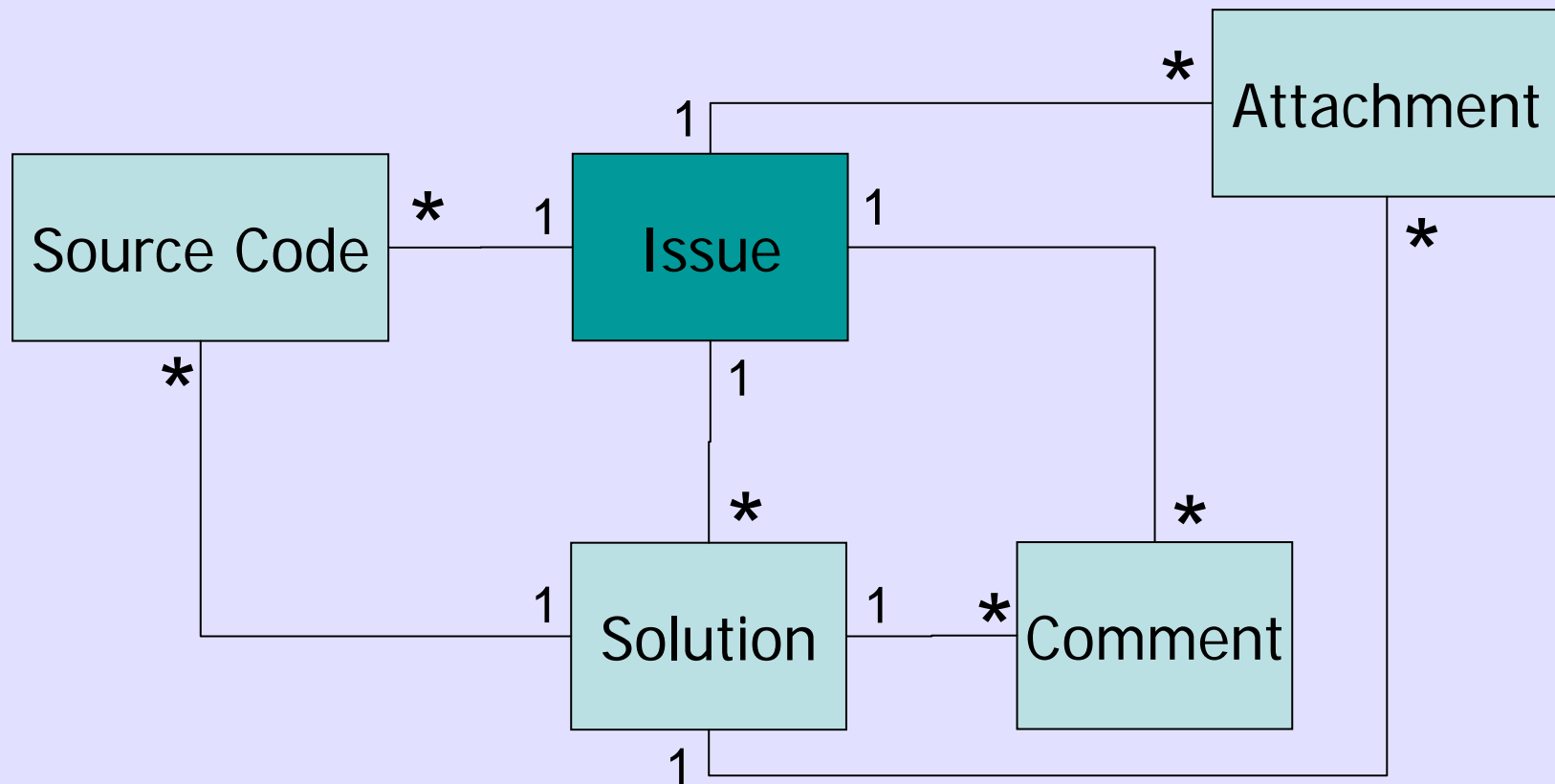
- MHP issues & solutions
- Sample code
- Discussion forum

- Application Analyser
- Test centres

Features of the Database (dynamic)

- *Issue* is the central data type
 - *Solution, Source code, Comment* depend on it
 - Can be referenced by *Decoder, Tool, Application, Service, Standard version,*
- Search functions
 - Keyword search
 - Category based search
 - By *Decoder, Tool* or *Application (restricted)*
- Review of content
- Roles and rights model

Organisation of the KDB Content



Process to Access the Knowledge Base

Goals

- broad and open access
- high quality and timeliness (no garbage or spam)
- **Registration process** with rights and roles and a peer trust network
each user is of a *type* (visitor .. member) in a *role* (e.g. reviewer) having certain rights (e.g. modify all documents)
- **Review process**
Publish at once
Reviewing process awards quality mark
Traceability provided by a structured archive of the documents

Roles

Role	Rights
Viewer	Read all published documents
Author/ Publisher	Viewer + Create Documents + Modify all his documents+ Publish their own documents
Reviewer	Author/Publisher + Modify all documents Mark others' documents as „Reviewed“
Admin	Reviewer + Delete documents

User Types

Type	Description	Allowed roles and restrictions
Visitor	Anonymous	(Limited) Viewer Can only view the static content
Friend	Registered person not involved in the MHP-KDB project	Viewer, Author/Publisher
Member	A person involved in the MHP-KDB project	Viewer, Author/Publisher, Reviewer and Admin

Tools

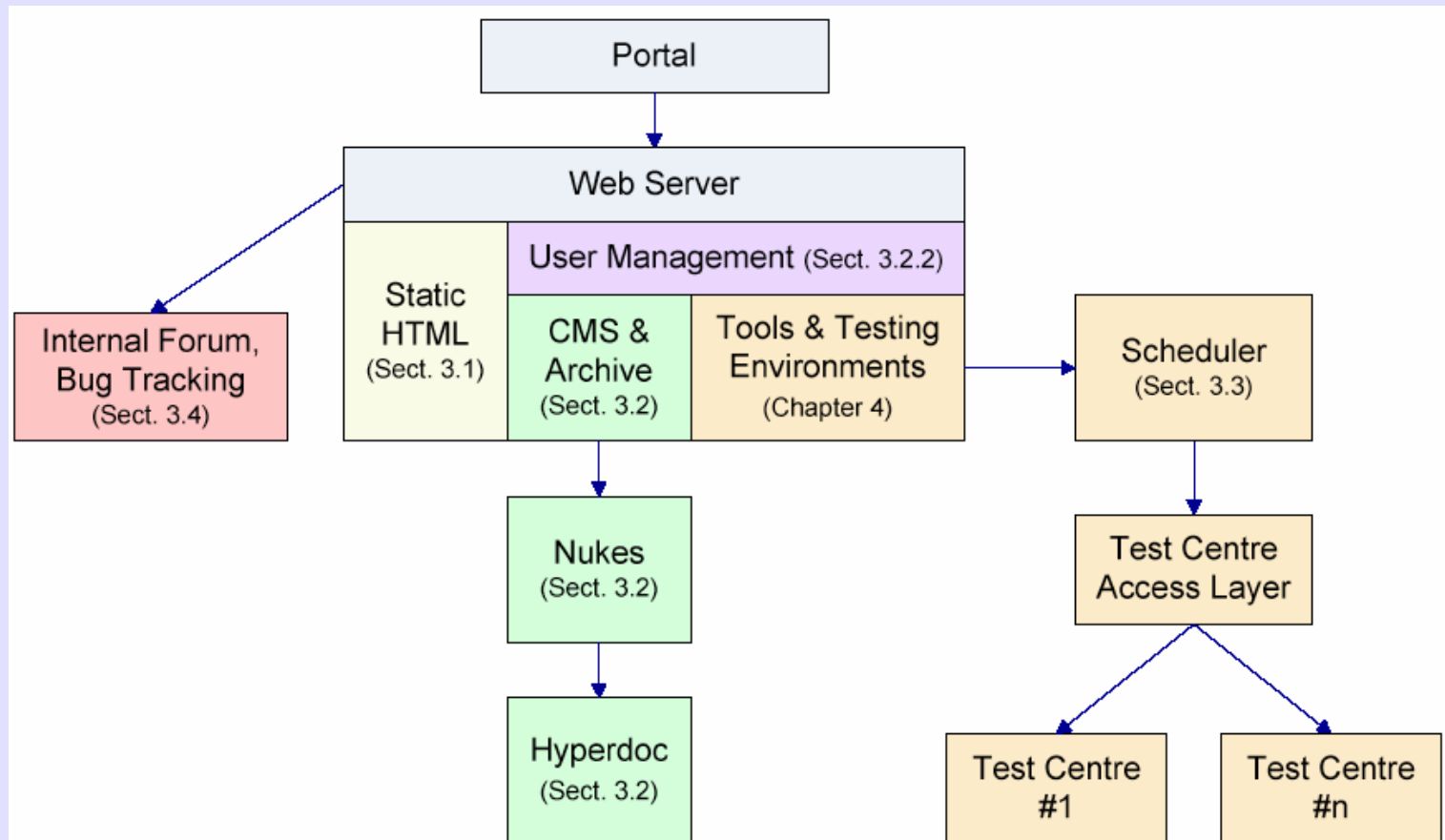
- **Playout & Viewing of MHP based applications**
 - Comprehensive Testcentres for various MHP aspects (STB Zoo) (IRT, UDE)
 - The real thing: Thor 3 (Telenor)
- **Program Generation and Tuning**
 - STB oriented application Framework (MDA in the small) (UDE)
 - Program restructuring (UDE)
- **Analysis tools**
 - Application Analyzer (IRT)
 - Return Channel Performance (ITA)
 - Loading assessment (tComLabs)
 - AIT & DSMCC Analyzer (Panasonic)

Access to KDB Content / Terms of Use

- Written documents & papers:
publicly available
- Access to database:
registered (authorised) KDB-users
- Usage of application modules java source code:
open source, LGPL license agreement
- Access to validation tools / testing environments
free for KDB-users, limited capacity

The Portal structure

www.mhp-knowledgebase.org



Current / Future Activities

- *Current activities*
 - Tools are being implemented and integrated
 - Filling of the database has started (best practise code, ...)
 - Testing and refinement of database (GUI, functions,...)
 - Going public with the database
- *Future Activities*
 - Continue Knowledge building
 - Continue Tools integration
 - Dissemination (MHP-guide, seminars, demos, etc.)

www.mhp-knowledgebase.org

info@mhp-knowledgebase.org

Marcel Langlois
Institut für Rundfunktechnik
langlois@irt.de

Target Users and Benefits

MHP application developers

- Reference models, best practice, benchmark applications
- Free sample source code (LGPL)
- MHP guide
- Knowledge exchange

Decoder manufacturers

- Receive a list of issues that occurred with THEIR boxes

Broadcasters

- MHP know-how
- Test MHP services on different MHP decoders

Operators