

# ACTIVE Knowledge Workspace

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STI · INNSBRUCK



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# Agenda

- ▶ Introduction to the ACTIVE knowledge workspace
- ▶ Workspace software architecture
- ▶ Online demonstration of basic Workspace features
- ▶ Overview of ACTIVE Software Developer Kit
- ▶ Availability

# Introduction to the ACTIVE knowledge workspace (1)

Workspace builds on three interlocking technology themes

Informal semantics

Informal processes

Task context

# Introduction to the ACTIVE knowledge workspace (2): software platform

- ▶ **Partners:** HSL (ComTrade), BT,JSI ,EMIC\* ,iSOCO
- ▶ **Goal:** Create a software environment for the knowledge worker consisting of an integrated set of context-aware knowledge management tools.

Integrate tools developed in WP1-WP3 and extend off-the-shelf tools like MS Office suite to benefit from ACTIVE technology.

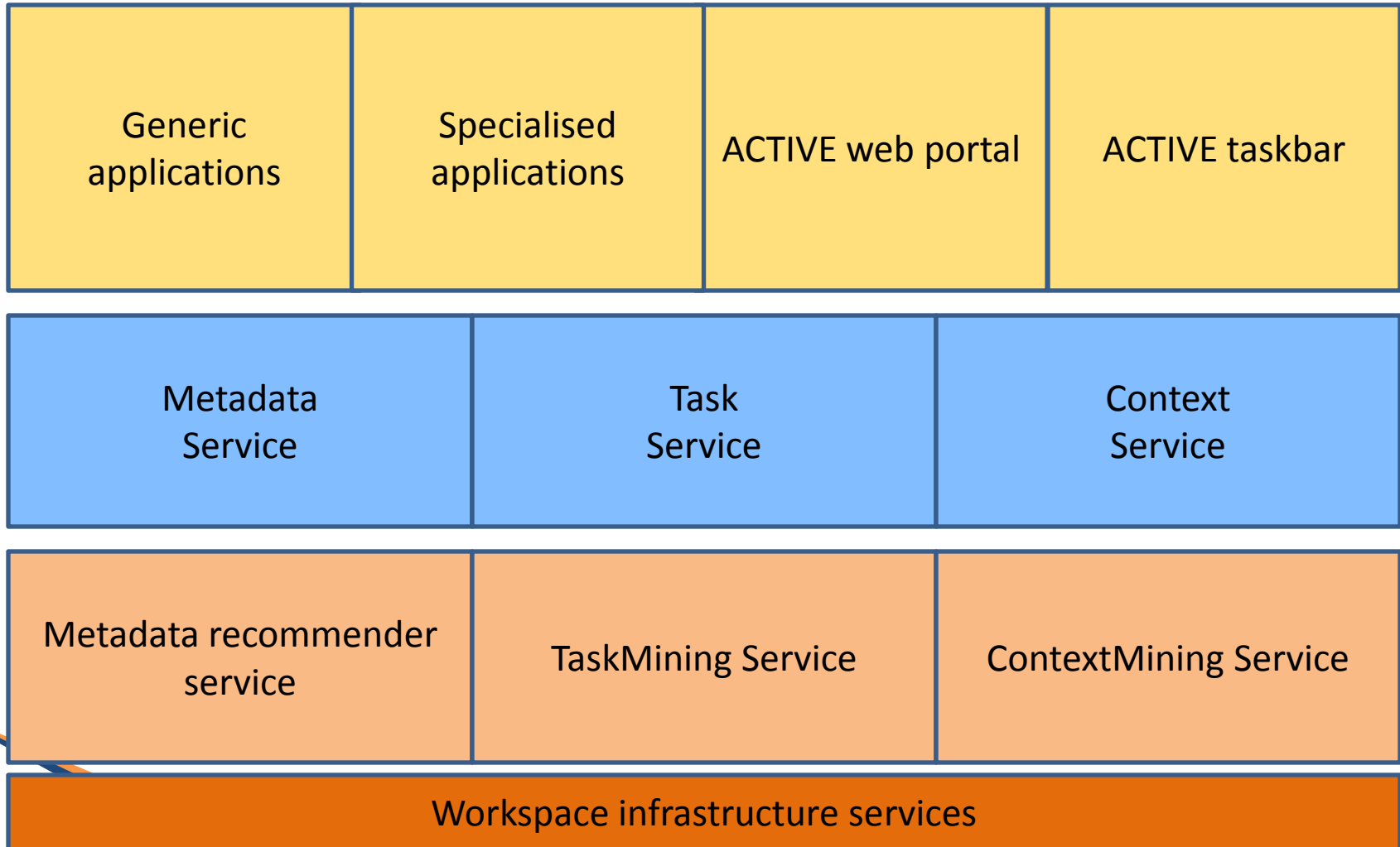
# Introduction to the ACTIVE knowledge workspace (3): main principles

- ▶ Supporting personal productivity, collaboration and knowledge sharing of knowledge workers in an enterprise
- ▶ Workspace concepts to support their activities:
  - Working contexts
  - Info resources
  - Tasks/Knowledge processes
- ▶ Transform off-the-shelf tools to fit into the Workspace  
= ACTIVation

# Workspace software architecture (1)

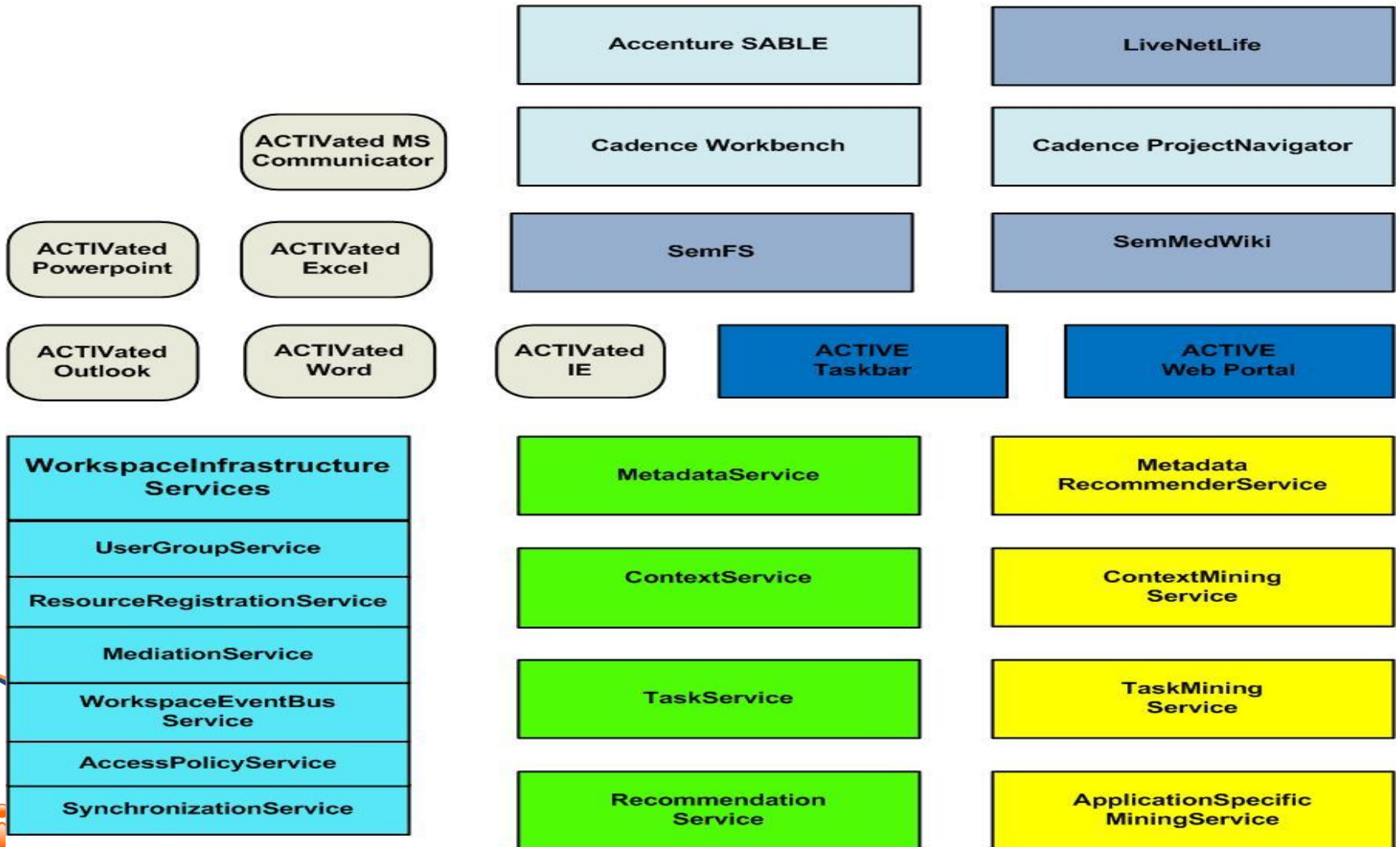


# Workspace software architecture (2)



# Workspace software architecture (3)

Workspace services and ACTIVated applications





# Workspace software architecture (4)

- ▶ Inter-service communication
  - Web services (WSDL/SOAP & RESTful )
  - Apache ActiveMQ Event bus: messaging & publish/subscribe: XML schema

# AKWS – live system walk through (1)

## ▶ ACTIVE Taskbar

- Contexts (creation/switching)
- working/assigned users
- Info resources in working context
- tasks/knowledge processes
- context visualization
- TaskWizard
- metadata & content search

# AKWS – live system walk through (2)

- ▶ ACTIVE shell extension
- ▶ Outlook – context filtering
- ▶ Word – tagging
- ▶ Excel – document shadowing
- ▶ Web portal
  - team context
  - web view to Info resources
  - simple & advanced search

# AKWS – live system walk through (3)

- ▶ Context discovery
- ▶ Context detection

# Overview of ACTIVE Software Developer Kit

- ▶ WSDLs for Web services
- ▶ XML schemas for event messages
- ▶ C# APIs useful for ACTIVated applications
- ▶ C# APIs for Task Service
- ▶ Ruby APIs for Infrastructure services
- ▶ Online SDK documentation

# Overview of ACTIVE Software Developer Kit (2)

- ▶ Three levels of ACTIVated applications
  - **Basic level:**  
activity monitoring
  - **Intermediate level:**  
context filtering and context switch support
  - **Advanced level:**  
process support built into the application's GUI.

# Availability

- ▶ Download of the restricted version for research purposes:

<http://www.active-project.eu>

- ▶ Demo version of Workspace:

<http://active.ijs.si:3000/login>

- ▶ Username: guest, password:guest
- ▶ Demo limitations