

# Introduction to the ACTIVE Knowledge Workspace SDK

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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
- ▶ ACTIVated application - example

# Introduction to the ACTIVE knowledge workspace (1)

- ▶ Partners: [HSL](#), [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.

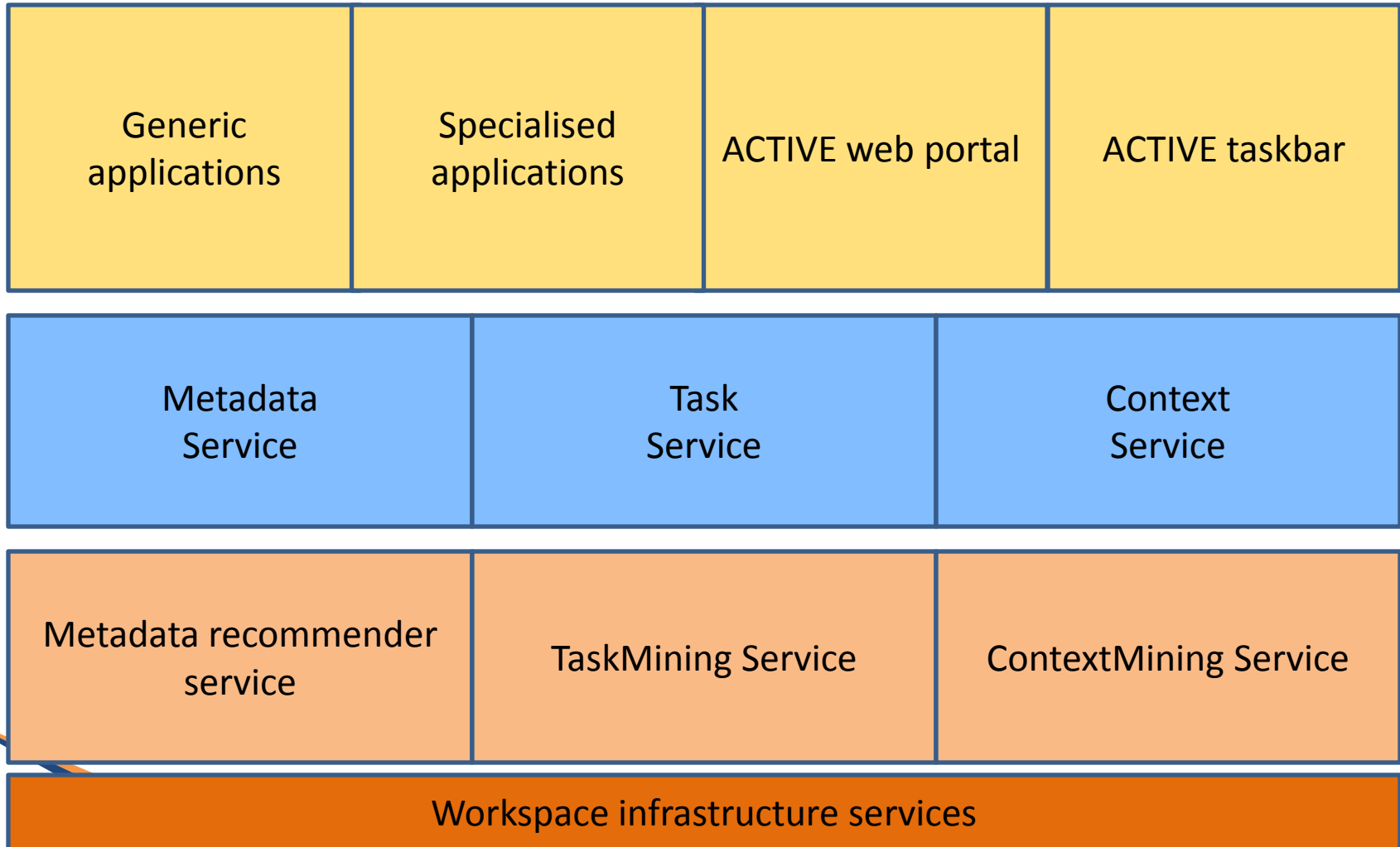
# Introduction to the ACTIVE knowledge workspace (2)

- ▶ How do knowledge workers perform they work and share their knowledge?
- ▶ Workspace concepts to improve this:
  - Working contexts
  - Info resources
  - Tasks
- ▶ Transform off-the-shelf tools to fit into the Workspace  
= ACTIVation

# Workspace software architecture (1)

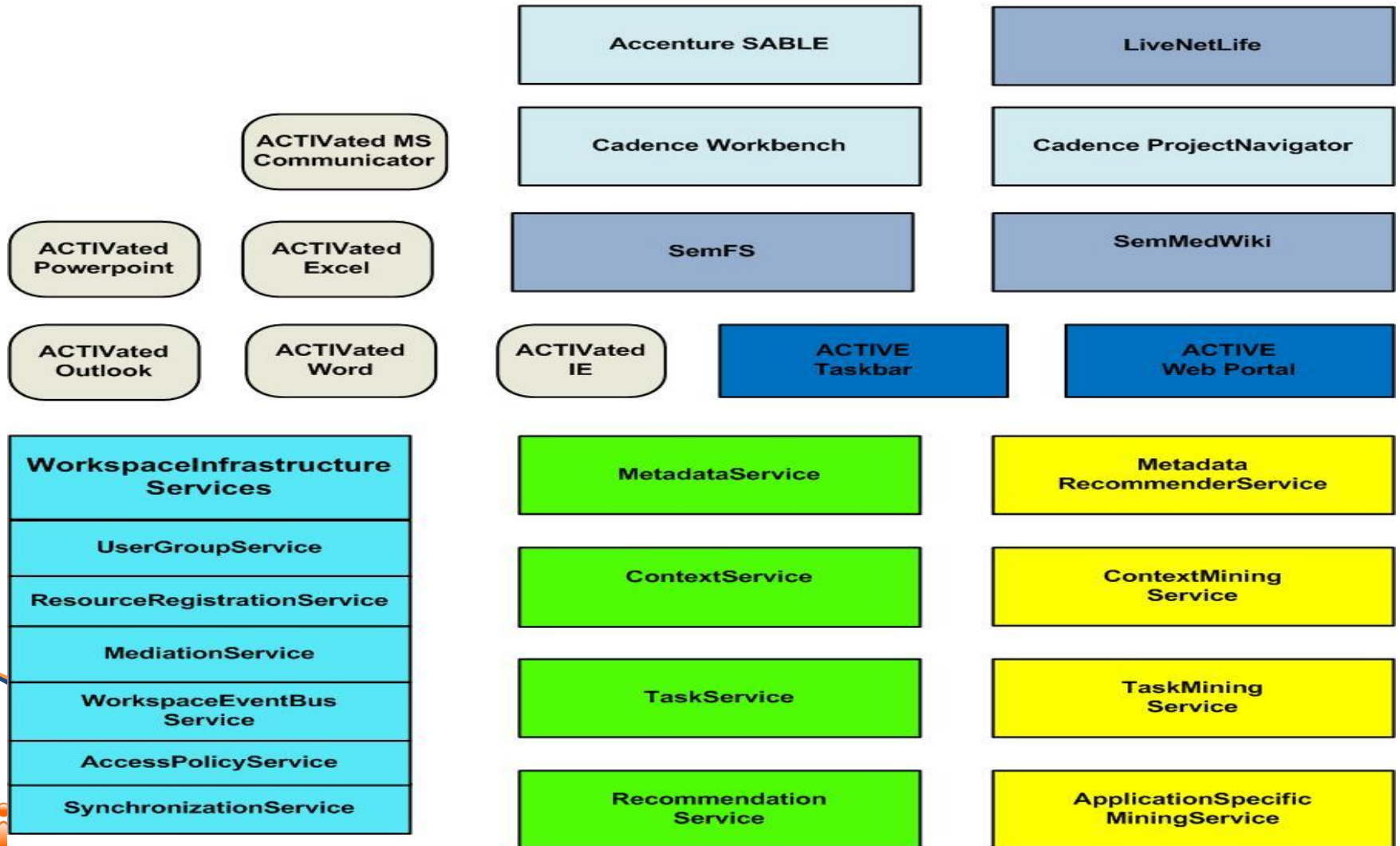


# Workspace software architecture (2)



# 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



# Online demonstration of basic Workspace features

- ▶ Demo version of Workspace at:
- ▶ <http://hope.ijs.si:3000/login>
- ▶ Username: guest, password:guest
- ▶ Demo limitations
- ▶ Workspace download for research purposes: under consideration

# 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.