New ways
to **work**,
to **lea**rn and
collaborate

aposdle
learn @ work

APOSDLE is an EU project enhancing **knowledge worker productivity** by providing support in the areas of **Learning**, **Working** and **Collaborating**. We have developed many **innovative learning functions** based on **semantic technologies**, most of which will be **open source** soon.

If you are interested in exploring **new business opportunities** based on these functions, please refer to the sheet tailored to your industry.

LEARN

APOSDLE helps knowledge workers explore, apply and reflect on knowledge in a self-directed manner. By considering their work context, **APOSDLE** ensures that learning and working are tightly integrated and learning is transferred to actual workplace tasks.

WORK

APOSDLE automatically identifies the knowledge workers´needs and provides context-sensitive support tailored to their specific competencies and work situations.

COLLABORATE

APOSDLE helps knowledge workers to informally convey and jointly create knowledge via their computational environment and embedded in their work context. The context of knowledge transfer and creation is captured in order to turn knowledge artefacts into valuable learning ressources.

JOANNEUM RESEARCH · center.graz Kn·w · SAP® · isn · Fraunhofer Institut Graphische Datenverarbeitung Rostock IGD · University of Twente Enschede - The Netherlands

EADS CCR · TU Graz · FONDAZIONE BRUNO KESSLER · IHK Darmstadt Rhein Main Neckar · ComNetMedia · CITY UNIVERSITY LONDON

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You provide high quality **E-Learning Content** and **Solutions** such as **Learning Management Systems**.

Are you interested in exploring **new business opportunities**?

- **disseminate your e-learning content** widely within the costumer organization
- **connect your e-learning content to work processes**
- **re-purpose existing content** of your customers for learning

Have a look at our **innovative learning functions** - developed within the **APOSDLE** project and mostly **open source**!

MAKE USERS AWARE OF LEARN-ING CONTENT WHEN THEY NEED IT

APOSDLE Suggest automatically infers learning needs from users' interactions with the system and recommends learning content relevant to the current work context.

With **APOSDLE Skills Portfolio** users reflect, interact and manage the activities they are working on and thus influence the suggestions they are receiving.

PROVIDE ONLINE COACHING

APOSDLE Cooperation Wizard supports users in specifying their request in a structured way. Thus, time is used more efficiently and co-operation results can be stored for future reuse.

MAKE RELATIONSHIPS BETWEEN TOPICS EXPLICIT

The **APOSDLE Modeling Suite** supports the creation of interlinked models describing tasks, topics and skills. These models enhance the retrieval and accessibility of content and allow deducing learning goals from tasks.

With **APOSDLE Browse** users interactively explore the relations between different topics, lessons or subjects. Moreover, different views and visualization styles enhance understanding.

LET USERS ADJUST THEIR PRIVACY SETTINGS AS THEY WANT

APOSDLE Privacy Enhancement allows users to define fine-granular privacy policies about what kind of data they would like to share with others and the system, and for which period of time.

HELP CUSTOMER ORGANIZATIONS LEARN FROM THEIR OWN RE-SOURCES

APOSDLE Content Maker automatically creates e-learning content by re-using resources already existing at the customer site and speeds up individual content creation. Additionally, the **APOSDLE Learn Tab** summarizes links to related documents, topics, colleagues and provides learning hints about the subject.

APOSDLE People Finder - identifies people with the right level of expertise for the user's current work context within the company's social network – all based on their working activities, which means there is no need to fill out skill forms or attend skill tests.

«APOSDLE´s Innovative Functions make our learning content and solutions much more valuable to the customer. The content is directly associated with their work processes and delivered just-in-time.»

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You are a **Content Provider** or offer
Knowledge Management Solutions such as
Workgroup Support and
Project Management Support.

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Are you interested in exploring **new business opportunities**?

- ○ enhance **management** and **retrieval** of your knowledge and (multimedia) content or
- ○ make the **right person** aware of the **right piece of information** at the **right time**

Have a look at our **innovative learning functions** - developed within the **APOSDLE** project and mostly **open source**!

PROVIDE TARGETED CONTENT AT THE RIGHT TIME

APOSDLE Suggest observes how the user interacts with documents and applications and suggests appropriate content from documents and videos.

APOSDLE Search allows you to find all types of different resources like documents, pieces of documents, videos and video snippets, people, bookmarks, collections and notes from different repositories. The most relevant results independent of resource type are identified and displayed on a unified results page.

FINDS THE RIGHT PERSON FOR THE RIGHT TOPIC

APOSDLE People Finder identifies people with the right level of expertise for the user's current context within a social network and enables direct collaboration with them.

EASY ANNOTATION OF HUGE DATA SETS

APOSDLE Knowledge Discovery and Extraction Service learns by re-using previous annotations. A continuously trained classifier creates annotations by assigning concepts to resources based on similar existing annotations in the

system.
APOSDLE Video Recognition makes video lectures and presentations searchable within the system. Slides are automatically detected and their content is read.

APOSDLE Resource Viewer enables the annotation of all resources (documents, presentations, videos etc.) independent of type within a single viewer.

«We often have the problem that the content is there but people do not know that it exists. APOSDLE´s innovative Functions help us to provide the user exactly the right piece of information out of all the relevant resources.»

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PROCESS

Are you interested in exploring **new business opportunities**?

- **reduce the efforts for user training**
- **offer real-time coaching**
- **enable learning within work processes**

Have a look at our **innovative learning functions** - developed within the **APOSDLE** project and mostly **open source**!

PROVIDE HELP RELEVANT TO THE USER'S NEEDS

APOSDLE Suggest observes how the user interacts with documents and applications. This interaction pattern is automatically matched to interaction patterns of the company's work processes. Relevant resources to the current task are suggested automatically.

APOSDLE Cooperation Wizard enables real-time coaching through supporting users in specifying their request in a structured way. Thus, time is used more efficiently and cooperation results can be stored for future reuse.

PROVIDE AN OVERVIEW OVER PROCESSES

APOSDLE Browse provides an interactive overview and navigation over all processes within the company and highlights the connections between them. The user can switch between a tree map view, a process view and a relationship view.

The **APOSDLE Learn Tab** supports training on the job by constantly providing links to other relevant material within the system.

With the **APOSDLE Personal Learning Environment** users can specify collections of resources and automatically updated learning paths

consisting of all the steps necessary to master a task.

FIND THE RIGHT PERSON FOR THE RIGHT TOPIC

APOSDLE People Finder identifies people for the user's current work context with the right level of expertise within the company's social network based on their working activities.

ADD SEMANTICS TO YOUR WORKFLOW

With the **APOSDLE Modeling Suite's** easy-to-use tools and practical guidelines even beginners are able to create semantic models collaboratively. Define semantically enriched workflows on the basis of models describing tasks, topics and skills.

«We often have the problem that the content is there but people do not know that it exists. APOSDLE´s innovative Functions help us to provide the user exactly the right piece of information out of all the relevant resources. »

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SEMANTIC

You provide high quality
Semantic-Based Applications such as
Semantic Search, **Data Mining** and
Adaptive Systems.

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Are you interested in exploring **new business opportunities**?

- **enable non-experts to create ontologies**
- **make annotation engineering as easy as tagging**
- **provide meaningful visualizations**

Have a look at our **innovative learning functions** - developed within the **APOSDLE** project and mostly **open source**!

ENABLE NON-EXPERTS TO CREATE DOMAIN ONTOLOGIES

APOSDLE's Modeling Suite supports the creation of interlinked models describing tasks, topics and skills. Easy-to-use tools and practical guidelines facilitate eliciting knowledge from domain experts as well as formalization and model revision.

ANNOTATE LARGE DATA SETS AUTOMATICALLY

APOSDLE's Knowledge Discovery and Extraction Service learns by re-using previous annotations. A continuously trained classifier creates annotations by assigning concepts to resources based on similar existing annotations in the system.

ALLOW USERS TO EXPLORE THE RELATIONSHIPS BETWEEN DOMAIN MODEL ELEMENTS

APOSDLE Browse analyzes and visualizes relationships and provides an interactive overview over all models within the system. It also provides a view on the processes inferred by these connections.

MAKE USERS AWARE OF RESOURCES

APOSDLE's Suggest recognizes the users' working context through their interactions with the system. Additionally semantic similarity measures are calculated to derive neighbouring concepts.

CREATE ANNOTATIONS WITH A TEXT MARKER

APOSLDE's Resource Viewer enables the annotation of all resources (documents, presentations, videos etc.) independent of type within a single viewer. Resources can be directly searched for, annotated and commented on within the viewer. A theme river helps exploring snippets relevant to current topics within the resource.

E-LEARNING AS AN ADDITIONAL FEATURE

With the **APOSDLE Personal Learning Environment** users can define automatically updated learning paths. Training can be planned and structured by specifying the concepts needed to master a subject.

«A serious obstacle for semantic-based products is the need for domain experts to set up the system. APOSDLE´s Innovative Functions enable even beginners to create and maintain domain ontologies collaboratively.»

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