

Project no. FP6-028038

Palette

Pedagogically sustained Adaptive LEarning Through the exploitation of Tacit and Explicit knowledge

Instrument: Integrated Project

Thematic Priority: Technology-enhanced learning

D.MAN.03 - Palette Bi-annual report 01
Covering the period from 01/02/2006 to 31/07/2006

Due date of deliverable: 31 July 2006
Actual submission date: 5 September 2006

Start date of project: 1 February 2006

Duration: 36 months

Organisation name of lead contractor for this deliverable: GEIE ERCIM

Project co-funded by the European Commission within the Sixth Framework Programme		
Dissemination Level		
CO	Confidential, only for members of the consortium (including the Commission Services)	CO

Keyword List: Bi annual report, Deliverables

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MODIFICATION CONTROL			
Version	Date	Status	Modifications made by
1	06-06-2006	Draft	Nathalie Ruffa
2.1	02 08 2006	Draft	Nathalie Ruffa
2.2	02 08 2006	Draft	Bernadette Charlier
3	03 08 2006	Draft	Nathalie Ruffa
4	03 08 2006	Draft	Bernadette Charlier
5	07 08 2006	Draft	Christine Vanoirbeek
5.2	31 08 2006	Draft	Bernadette Charlier
5.3	04 09 2006	Draft	Christine Vanoirbeek
6	05 09 2006	Final	Nathalie Ruffa

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Summary

This document describes the activity during the 6 first months of the Palette project.

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1 – Executive Summary

The main goal of the PALETTE project is the facilitation and enhancement of both individual and organisational learning in Communities of Practice (CoPs).

Empowered by the proliferation of networked applications and associated use of technologies, CoPs are considered as an important ferment of future environments to support learning by professionals, organisations and individuals. Bridging pedagogical and technical skills to reach the project objectives is a major challenging issue addressed by the project; it has the potential to trace the way for development of reusable and adaptable services to be anchored in effective CoPs scenario of use. It is expected to bring the bricks for the design and implementation of fundamental learning processes in the future.

The first 6 months of the PALETTE project have been mainly dedicated to the setup of the methodological framework and the initial development of tools addressing the ambitious scientific and technological objectives of the project. In parallel, significant efforts have been done to establish the communication framework between partners and, with CoPs, as well as to advertise, disseminate and promote this new project in order to attract additional CoPs participation.

Additional, up-to-date information, about the project is available on the PALETTE web site at the following address: <http://palette.ercim.org>.

2 – Project objectives and major achievements during the reporting period

The main goal of the PALETTE project is the facilitation and enhancement of both individual and organisational learning in Communities of Practice (CoPs); i.e. frequently interacting groups of people who share a concern, a set of problems, or a passion about a topic, and who deepen their practical knowledge and expertise in that domain.

Such communities distinguish fundamentally from formal organizations by the fact that members learn from each other and aim together at making their knowledge and practices explicit, sharing them with their peers, and reflecting on them. The palette of interoperable and extensible services, under development in the project, will considerably facilitate the tasks of CoPs members and, bring them support to :

- incremental building of a comprehensive representation of practices;
- enhancement of argumentative debates about practices;
- reification and exploitation of knowledge inside and outside the CoPs;
- improvement of conditions for engagement and participation of CoPs' members.

Empowered by the proliferation of networked applications and associated use of technologies, CoPs are considered as an important ferment of future environments to support learning by professionals, organisations and individuals. Bridging pedagogical and technical skills to reach the project objectives is a major challenging issue addressed by the project; it has the potential to trace the way for development of reusable and adaptable services to be anchored in effective CoPs scenario of use. It is expected to bring the bricks for the design and implementation of fundamental learning processes in the future.

The first 6 months of the PALETTE project have been mainly dedicated to the setup of the methodological framework and the initial development of tools addressing the ambitious scientific and technological objectives of the project. In parallel, significant efforts have been done to establish the communication framework between partners and with CoPs as well as to advertise, disseminate and promote this new project in order to attract additional CoPs participation.

The following sections present the major achievements of the project performed during the reporting period.

2.1 Setting up the methodological framework

In the initial phase of the project, a considerable work has been dedicated to the setting up of the methodological framework. It was aiming at i) reaching a mutual understanding between “technology and pedagogy oriented” partners and, ii) discussing, collecting and synthesizing information from the CoPs involved in the project.

These two concerns are taken into consideration through the participative design approach promoted by the PALETTE project, spread between WP1 and WP5, which respectively aim at a better understanding of priority needs of CoPs and a mutual understanding of the potential brought by standard technologies for the development of tools.

The first deliverable of WP1 (D.PAR.O1 - part 4) traces the operational tasks that will begin in the next period of the project: establishing or confirming the collaboration with a number of CoPs (at least one for each domain of activity: teaching, management and engineering), modelling their activities and designing models of ideal situations supported by tools developed by PALETTE. It is planned to

provide further insight on new activities supported by the deepening of our knowledge of CoPs learning and evolving processes.

2.2 Initial development of tools

Adaptation of existing tools provided by partners and development of new functionalities have been undertaken on the basis of work performed in WP1 and WP5 ; a special care is given to the implementation of services that fulfil the requirements of CoPs and avoid the development of “technology driven development of tools”.

The main results obtained to conduct this R&D process are described in the deliverables available at month 6: the presentation of the participative design methodology (D.PAR.01) ; the categorisation of tools useful for developers as well as for CoPs (D. PAR.O2); A common definition of scenario building (D. PAR O.2) ; a framework for the evaluation of the R&D process (D. EVA.O1) and guidelines for the development challenging the issues of interoperability (D. IMP.01). Moreover for each set of services (information services, knowledge and management services and mediation services) the software architecture, generic models or prototype have been developed.

The partners of PALETTE through collaboration in the WPs – integrating always interdisciplinary teams – supported by the kick-off meeting and the first internal training event have reached to a common understanding of the objectives of the project and on the main strategy (tools, methods, vocabulary) to be adopted.

In the next period, the validation and negotiation processes led by teams of developers – including members of WP1, 2,3, and 4 - animated by the WP5 will conduct to the design of mock up and prototypes, internal tests as well as evaluation of prototypes with the CoPs or their delegates. All these first steps will be documented and evaluated.

2.3 Dissemination Actions

Additionally to the participation in EC related events, the PALETTE partners promoted the project through their national and international networks; Mediterranean and Asiatic countries have been addressed (a list of dissemination actions is provided in section 5).

3 – Workpackage progress of the period

3.1 Workpackage WP0 – Coordination

Responsible partner(s): ERCIM

Contributing partner(s): EPFL, UNIFR

Scheduled dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 100 %

Workpackage 0 ensures the scientific and administrative coordination of the project. For the reporting period, the objective was to :

- Provide the partners with guidelines to work with the European Commission,
- Provide communication tools, standard documents, working procedures
- Assist them to integrate them in their everyday work
- Keep the project on track

The following achievements have been realised during the first six months of the project :

- Administrative and Financial Coordinator Office has been set up (AFC – Bruno Le Dantec, Assistant to the AFC – Nathalie Ruffa)
- Scientific Coordination Office has been set up (SCO – Christine Vanoirbeek, Deputy - Bernadette Charlier, Assistant to the SCO – Aida boukottaya)
- Management bodies have been set up according to the structure described in the Description of Work. (Steering Committee, Board of directors, Scientific Advisory Board)
- Setting up the Scientific Advisory Board (SAB)
- Communications tools have been put in place(mailing lists, shared workspace)
- Palette Website (For details See Section [3.8 Workpackage 7](#))
- Establishing management procedures to help Palette participants

The PALETTE project started on 1st February 2006. The kickoff meeting was held on the 13 to 15 March, hosted by EPFL in Lausanne. All institutes introduced their teams and reasons why they joined the project. At this occasion the original Forms A and Consortium agreement were distributed to the 14 partners.

The first face to face Steering Committee was organised in Fribourg during the Summer school on June 26 to 28.

The AFC organised monthly SC meetings by audio or videoconference during which he answered questions on various issues: deliverable evaluation process, standards used for documents, using various templates, etc.

To ensure a uniform level of information to all participants, the Quality assurance plan was defined according to partners' needs and circulated to everyone. An FAQ was set up to answer additional questions as they show up during the project.

The management structure of Palette is composed of 3 management bodies : the Steering Committee (SC), the Board of directors (BoD), The Scientific Advisory Board (SAB)

Steering Committee

Composition

- | | |
|------------------------------------|---------------------------------|
| • Christine Vanoirbeek (EPFL) | SCO & Chair |
| • Bruno Le Dantec (ERCIM) | AFC and WP0 representative |
| • Bernadette Charlier (UNIFR) | SCO deputy & WP5 Representative |
| • Brigitte Denis (ULG) | WP1 Representative |
| • Vincent Quint (INRIA) | WP2 Representative |
| • Rose Dieng-Kuntz (INRIA) | WP3 Representative |
| • Nikos Karacapilidis (CTI) | WP4 Representative |
| • Murray Saunders (CSET) | WP6 Representative |
| • Dhruv Patel (Nisai) | WP7 Representative |
| • Luc Vandenabeele (CRP-HT) | WP8 Representative |
| • Liliane Esnault (AESCRA-EM Lyon) | BoD representative |

Role

- Main decision-making body of the project
- Provide high level supervision of the project research activities
- Promote and assess the scientific quality of the project
- Define the means to implement all major technical decisions
- Revise and propose the Implementation Plan to the Board of Directors (BoD)
- Define funding policies and propose the Project budget to the BoD
- Approve the Scientific Advisory Board
- Identify needs and propose significant changes in the Project work-plan

Board of DirectorsComposition

- | | |
|------------------------|----------------|
| • Bruno Le Dantec | GEIE ERCIM |
| • Christine Vanoirbeek | EPFL |
| • Bernadette Charlier | UNIFR |
| • Vincent Quint | INRIA |
| • Nikos Karacapilidis | CTI |
| • Thibaud Latour | CRP-HT |
| • Azeddine Chikh | UT |
| • Brigitte Denis | ULG |
| • Liliane Esnault | AESCRA-EM-Lyon |
| • Joel Bonamy | Gate-CNRS |
| • Murray Saunders | CSET |
| • Nathalie Van de Wiel | Eprep |
| • Dhruv Patel | Nisai |
| • Elodie Primo Amado | MindonSite |

Role

- Forum to initiate discussions and express opinions regarding research and development activities
- Vote on a new SCO
- Propose amendments of the CA and acceptance or termination of existing/new parties
- Approve budget and new members
- Agree on the suspensions or termination of activities
- Adopt the every updated Implementation Plan

Scientific advisory Board

The SAB includes 3 scientists from the project, 3 external to the project and the Scientific Coordinator

Internal

- J Vivien Hodgson, University of lancaster
- Claire Belisle, CNRS Lyon
- Cecile Roisin, INRIA Grenoble

External

- Daniel Peraya, Université de Genève
- Peter King, University of Manitoba, Winnipeg
- Gordon Mc Calla, University of Saskatchewan, Canada

Role

- Annual external assessment
- Provide guidance towards strategic orientations
- Formulate recommendations

ERCIM office set up communication tools, administers them and assists participants to use them efficiently:

BSCW

Partners exchange documents related to the project on a secured collaborative platform **BSCW** <https://bscw.ercim.org/bscw/bscw.cgi/62321t>. The following structure has been created :

- **Annual financial statements** - Audit certificate EC guide, Times sheet,
- **Contract and addendum** - Signed contract with EC, annexes I, II, III of the contract, Forms A, final version of the CPF, final version of the Consortium Agreement.
- **Deliverables** – Deliverables submitted, List of deliverables due for the first 18 months, list of deliverable evaluators, Template for a deliverable, Comments from evaluators
- **Dissemination material** – Palette logo, Palette Flyer
- **Initial proposal** Initial proposal, Negotiation and hearing documents
- **Meetings** Presentation and minutes of Kick off, Summer school and Steering Committee meeting
- **Periodic Reports** - Bi annual reports, monthly reports
- **Template and working documents** - Template and working documents
- **Workpackages** Internal documents for each workpackage

Mailing lists and archives

The Sympa software has been chosen for managing the mailing lists. 16 mailing lists have been created so far, for the different bodies and workpackages. Archives of the mailing lists have been activated in June 2006.

- 1 - palette@inria.fr – All palette Participants
- 2 - palette-admin@inria.fr – Administrative participants
- 3 - palette-bod@inria.fr – Board of Directors
- 4 - palette-sab@inria.fr – Scientific Advisory Board
- 5 - palette-sc@inria.fr – Steering Committee
- 6 - palette-cop@inria.fr – Communities of Practice
- 7 - palette-edb@inria.fr – Editorial Board
- 8 - palette-wp0@inria.fr – Workpackages 0-8
- 9 - palette-wp1@inria.fr

- 10 - palette-wp2@inria.fr
- 11 - palette-wp3@inria.fr
- 12 - palette-wp4@inria.fr
- 13 - palette-wp5@inria.fr
- 14 - palette-wp6@inria.fr
- 15 - palette-wp7@inria.fr
- 16 - palette-wp8@inria.fr

Preparation of monthly reports

Each month, a brief description of the activity per workpackage achieved during the past month were collected and assembled in a monthly report.

Preparation of bi-annual progress report

Partner's effort in term of Person-months and a brief description of the activity per workpackage achieved during the 6-month period were collected and assembled in the bi annual report. (D.MAN.03)

Community Financial Contribution

The first advanced payment was transferred to all partners.

Deviations

It took more time than expected to find the 6 members of Scientific Advisory Board. The SAB was completed in July. Since the Quality Assurance (D.MAN.02) concerns everyone, the evaluation process of this document implied many participants. It initiated discussions and adjustments. As a consequence Deliverables D.MAN.01 and D.MAN.02 were sent to the commission later than initially planned.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.MAN.01	Detailed overall management bodies	0	M1	18 July 2006	ERCIM
D.MAN.02	Palette Quality Assurance	0	M3	18 July 2006	ERCIM
D.MAN.03	Six monthly progress report	0	M6	05 Sept 2006	ERCIM

3.2 Workpackage WP1 – Synergy Specification Plan – Participative design

Responsible Partner(s) : ULG
Contributing Partner(s) :EPFL, UNIFR, INRIA, CTI, CRP-HT, UT, AESCRA-EM Lyon, GATE-CNRS, ePrep, Nisai, MindonSite, TELUQ
Schedule dates : M1-M6
Actual dates : M1-M6
Estimated achievement for the first six months : 100%

A project like PALETTE is very complex and involves many partners having different background and expertise, as well as interests in the development and use of diverse IT-supported services. The involvement of technological and pedagogical partners and multiple Communities of Practice (CoPs) in this project should be thoroughly exploited in order to guarantee the fact that the different services proposed in the project will be useful and usable. We have to manage a very important challenge with many issues: development of appropriate and interoperable tools aiming at producing, reusing and sharing information, share of practices and authentic problems, contribution to the evolution of CoPs life, development of suitable knowledge management and mediation services, etc. Towards this aim, we have to be aware of different possible difficulties and regularly evaluate and adapt our design process. That is why an approach based on participatory design (PD) is recommended here and developed through the WP1 work.

Objective

Its general objective is to develop and share a methodology and principles on the design of pedagogical scenarios and technological tools (the three different types of services: WP2 – Information Services , WP3 – Knowledge management, WP4 – Mediation services provided by PALETTE's partners) adapted to the different kinds of CoPs' needs in order to enhance their development.

Then, the implementation of a participative approach is the main challenge of the WP1. The WP1 involves almost all the PALETTE partners (12/14). It is related to almost all the specific objectives of the project. It has to provide information to support the work of the other WPs (especially WP 2 to 5). It aims at developing (following an iterative process, upon the consideration of diverse CoPs) a detailed specification plan that articulates pedagogical practices and learning principles with computer-based communication, collaboration and knowledge management tools and services, in order to support learning and knowledge building in CoPs.

Referring to the DoW, four specific objectives have to be achieved:

- 1 Establishing a methodology to support the participative design of learning objects and scenarios for enhancing collaborative learning among individuals and CoPs;
- 2 Providing and maintaining a meaningful categorization of tools of potential interest within CoPs;
- 3 Developing pedagogically consistent scenarios, which will take place through a close collaboration with target actors;
- 4 Validating the use of services of the project in diverse learning contexts.

Achievements

The work planed and done during the first six months only deals with the first two points. It will support the next phases of the work (tasks 3 and 4 of the DoW start later).

Each WP1 partner was expected to contribute to the first two tasks and to the first two deliverables regarding the task/problems he/she is involved in. The partners have been contacted in March in order to specify in which specific task or “participative activities” they would like to work on. This procedure was part of the participatory design approach implemented in the project. ULG team has coordinated the production of the deliverables.

Small teams of partners worked on six main participative activities contributing to the first WP1 tasks (T1 & T2).

- 1 Describe the PALETTE participative design methodology
- 2 Identify expertises and specific partners problematics
- 3 Create and animate a CoPs observers community
- 4 Collect and analyze information from the CoPs
- 5 Make an inventory and a categorization of tools related to the different scenarios of uses
- 6 Organize choice and use of communication tools and information sharing inside WP1

We can consider that the first two planned objectives for this period are achieved now:

- We have described the theoretical framework and the different stages of a methodology supporting our participative design approach. We have implemented the first two stages of this methodology. Concrete results are available (i.e. description of the principles and steps of implementation of the methodology, procedures implemented to enrol the partners, methodological tools to gather and analyse the data from the CoPs - interview guide, data analysis template, minutes of interviews,). This is described in the WP1 deliverable D.PAR.01- Grid of analysis supporting the synergy specification plan. Of course, this process is not ended. Some data still remain to be analysed. Other one will be collected. The process is iterative and will be refined.
- We have provided an inventory and categorization of tools of potential interest within CoPs. The deliverable D.PAR.02 describes tools/services categorized through several types of uses. It concerns partners' services, tools used by the CoPs or potential useful tools for them. A clarification of the notion of scenario is also provided in this deliverable (D.PAR.02 - Categorization of tools and pedagogical approaches related to collaborative learning and CoPs).

The WP1 partners organised and/or participated in different meetings to carry out their work (i.e. on February preparation of the Kick off meeting, on March presentation of the approach at the kick off meeting, visits of partners in Lyon, Grenoble, Liège, additional information collected during the summer school in June). They also had internal meetings and used communication tools (mainly the mail, the BSCW and videoconference facilities) to achieve their work.

The process of participative design is going on. The CoPs' observers community and their animators are gathering and transferring data to the concerned developers. The observers and the data condensation team will continue their work. We will continue to implement the participatory design methodology through several new participative activities to achieve the next objectives with the WP1 partners.

Deviations

No significant deviation from the work programme was observed for WP1 during the reporting period.

Deliverables

Del N°	Deliverable name	WP	Date due	Actual delivery date	Leader
D.PAR.01	Grid of analysis supporting the synergy specification plan	1	M6	31 st July 2006	ULG
D.PAR.02	Categorisation of tools and pedagogical approaches related to collaborative learning and CoPs	1	M6	31 st July 2006	ULG

3.3 Workpackage WP2 – Information Services

Responsible Partner(s) : INRIA, ULG

Contributing Partner(s):EPFL, CTI, UNIFR

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 100%

Objective

Workpackage 2 provides tools for document production and reuse in heterogeneous applications. The aim is to reduce the current limitations caused by the proliferation of data sources deploying a variety of modalities, information models and encoding syntaxes. This will enhance applicability and performances of document technologies within pedagogically consistent scenarios. Two kinds of tools are developed for two different tasks: multimedia document authoring and document reuse.

The key features of the document authoring tools are 1) an authoring model that allows authors to adapt the tool to the specificity of the documents to be produced, and 2) multimedia documents produced in open standard formats, namely the XML formats defined for the Web.

The document reuse tool is based on structure transformations. To allow a document produced in a given XML language to be handled by an application accepting a different XML language, a structure transformation has to be performed. The tool aims at assisting the user in generating this transformation.

For the reporting period, the objective was to complete Task 1: Software architecture, scheduled for the first 6 months of the project. The two other tasks in the Workpackage are planned to start right after the end of Task 1.

Achievements

Task 1 was actually completed according to the planned objective. Most of the work was done by INRIA for multimedia document authoring and by EPFL and UNIFR for document reuse. It should be noted that meetings with other partners as well as visits from participants in other Workpackages have helped to take into account the specific requirements of communities of practice.

A significant achievement is a report on the design of the mechanisms for editing multimedia documents based on templates, and of extensions for the document reuse tool. This report constitutes deliverable D.INF.01. It was authored jointly by EPFL, UNIFR and INRIA and was submitted on May 15 (due date: 30 April).

At INRIA, work on document models and templates for multimedia document authoring was continued after the release of this report. In particular, some improvements and refinements were developed and two scientific papers were written and submitted to the ACM DocEng2006 conference. A third paper was submitted to the TEL-CoPs' 06 workshop by UNIFR and EPFL.

At EPFL, the requirements for the information reuse tool in terms of functionalities, user interface and global architecture have been finalized. The main criteria for computing documents similarities have been fixed. A scientific paper describing the importance of document reuse for CoPs and the adopted global architecture has been submitted to the TEL-CoPs' 06 workshop.

Based on scenarios provided by WP1, EPFL began to focus on other kinds of documents (essentially semi-structured and textual documents). The goal is to make explicit the logical structure of such documents as well as their semantics in order to facilitate reuse.

Deviations

No significant deviation from the work programme for WP2 was observed during the reporting period. It should be noted however that a partial prototype implementation of the templating language for Amaya was done at INRIA in July to experiment with the proposed mechanism. This is in anticipation of Task 2: Multimedia content authoring, which was initially supposed to start in August.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.INF.01	Report on the design of extension mechanisms for creating templates, using templates for editing and customizing the user interface, and of extensions to be integrated in the information reuse tool	2	M3	15 may 2006	INRIA

3.4 Workpackage WP3 – Knowledge Management Services

Responsible Partner(s) : INRIA, CRP-HT
Contributing Partner(s): CTI, AESCRA EM-Lyon, UT
Schedule dates: M2-M6
Actual dates: M2-M6
Estimated achievement for the first six months: 98 %

Objective

The aim of WP3 is to offer KM services for improving access, sharing and reuse of the CoP (tacit or explicit, individual or collective) knowledge, and creation of new knowledge.

The planned work consists of developing the needed ontologies: CoP-independent ontologies (Task T3.1) and CoP-dependent ontologies (T3.2), and of specifying and developing a CoP-oriented KM tool offering basic CoP-oriented KM services (interesting according to the Palette scenarios) (Task T3.3).

Achievements

Task T3.1 (CRP-HT, INRIA, CTI)

The initial structure of the COP-independent meta-ontology based on the concepts of Actor/User, Collaboration, Competence, Activity/Process and Lessons Learnt was proposed by CRP-HT, with a plan for realizing the task.

Following the approach proposed by CRP-HT, the existing models were collected from literature, represented graphically and their advantages/drawbacks were analysed from the viewpoint of CoPs: Competence models (CRP-HT, INRIA), Actor / learner'profiles (CTI, INRIA), Activity/Process models (CRP-HT), Collaboration models (CRP-HT) and methods for Lessons-learnt (INRIA). A synthesis of the most relevant models was agreed during the virtual meetings held in July. The deliverable D.KNO.01 (with CRP-HT as deliverable manager, and INRIA and CTI as other contributing partners) was written. Structured and integrated by CRP-HT, this deliverable includes the description of the different models from literature, the synthesized models chosen for Palette, the structure of the meta-ontology and its representation in RDF(S). This deliverable should be considered as an initial proposal, and will be refined and improved later on, when the progress on the KM services will be more advanced.

Task 3.2 (INRIA, CRP-HT, CTI, UT)

The initial structure of the COP-dependent ontology was proposed by INRIA that suggested its possible contents, and proposed a scenario-based methodology for the design and development of these ontologies (requiring collaboration with WP1 for analysis of the COPs available in the project). INRIA elaborated and transmitted to WP1 a questionnaire about the scenario-based approaches used by the different partners of the Palette project. CTI has also been in close contact with the WP1 progress, so as to ensure the gathering of the relevant information required for the development of CoP specific ontologies. Towards this end, CTI has contributed to the shaping of the interviews guide developed within the WP1 context, by proposing a set of questions specifically oriented to the acquisition of information necessary for the development of such ontologies. After the common meeting with WP1 on June 28 during the Palette summer school in Fribourg, INRIA summarized for WP1 information to be captured from the CoPs through their interviews, in order to be able to develop the CoP-dependent ontologies and to specify useful CoP-oriented KM services.

INRIA started to analyse the initial descriptions of the Palette CoPs available at the kick-off meeting and related literature on CoP in order to identify some candidate terms for CoP-dependent ontologies. Last, UT designed and developed a pedagogical ontology based on ASPI (Analyzing, Sustaining, and Piloting Innovation) model for a specific COP dedicated to teaching.

Task 3.3 (INRIA, CRP-HT, CTI, EM-Lyon, UT)

The existing tools of the partners (INRIA, CRP-HT and CTI), possibly available to be reused for the KM tool (the ontology tools Generis and Sewese, the search engine Corese, the annotation tool QBLS, the collaborative tools Cope_It, Virtual_Staff and SweetWiki), were presented on demonstration either during the kick-off meeting in Lausanne or during the meetings in Sophia Antipolis. The participation in the categorisation of tools for WP1 gave also information on the partners' tools that could be reused for KM services.

Several brainstorms during WP3 face-to-face or virtual meetings enabled us to discuss about possible basic CoP-oriented KM services (knowledge creation and annotation, knowledge retrieval and dissemination, knowledge presentation and visualization, etc), to be discussed and refined after interaction with WP1. Some information on ANT methodology used for CoPs was also given by EM-Lyon during the meeting of June 16, 2006.

INRIA focused on ontology creation, on cooperative knowledge creation, knowledge annotation, knowledge retrieval and dissemination, presentation and visualization, knowledge evaluation and knowledge evolution and on the KM services architecture. Acknowledging the requirement for interoperability between the Palette Knowledge Management and Mediation Services (see Palette DoW pp. 30-31), CTI has especially contributed to the design of CoP-oriented KM services towards cooperative problem solving, by providing a set of scenarios of use regarding the interoperability and integration of the Mediation Services tool prototype and the Palette KM services.

The deliverable D.KNO.03 (with INRIA as deliverable manager, and CRP-TD and CTI as other contributing partners) was written. Structured and integrated by INRIA, it describes the specification of the CoP-oriented basic KM services, the architecture of the KM tool offering this set of services, and usage scenarios showing interoperability of KM services with mediation services. This deliverable should be considered or an initial proposal to be refined and improved later on.

WP3 Face-to-face or virtual meetings:

Representatives of all the WP3 involved partners (INRIA, CRP-HT, CTI, University of Tlemcen attended the kick-off meeting in Lausanne, where the objectives of WP3 and its three tasks T3.1, T3.2, T3.3 were detailed by INRIA and CRP-HT, with a plan for their realization.

A WP3 meeting was organized on June 16, 2006 at Sophia Antipolis, with representatives of INRIA, CRP-HT, CTI, University of EM-Lyon, and invited representatives of EPFL (WP5) and UNIFR (WP4).

In addition to a discussion on the models for the meta-ontology, there was a discussion on methodological approach for taking CoP needs into account and a first brainstorming on CoP-dependent ontologies and CoP-oriented KM services.

During the Palette summer school on June 26-28, INRIA and CRP-HT presented a course on Knowledge standards (in particular, ontologies, XML-based languages, RDF(S), OWL, examples of applications).

During this summer school, we also held a meeting of WP3 on June 26 for preparation of the two next deliverables and we had a common meeting with WP1, WP2 and WP4 on June 28 where WP1 gave useful information on the first results of interviews of the CoPs to the technical partners and WP3 partners could express their needs from WP1 (information to be obtained during the interviews, need of retranscription of some interviews, and need of synthesis by WP1 after analysis of some interviews). WP3 sent a detailed description of these needs to WP1 that tried to satisfy them as much as possible.

In July, five audio-conferences took place on July 5, 12, 20, 27, 31, gathering representatives of INRIA, CRP-HT and CTI. They focused on the preparation of the deliverables D.KNO.01 and D.KNO.03: structure of these deliverables, repartition of the tasks among the partners, discussion on the meta-models on Competence, Collaboration, Actor/Learner, Activity/Process, Lessons learnt, selection of the synthesized models to be adopted.

On July 13, a common meeting between INRIA and UNIFR (WP4) was held in Sophia Antipolis. We had a discussion on identification of tasks in specific CoPs and their relation to ontologies, a brainstorming on architecture and interoperability of services, on widget ideas and their interactions with ontology, and on the service platform with access points and bridges.

Deviations

For specifying CoP-oriented KM services, WP3 needed to rely not only on literature on CoPs but also on the analysis of Palette CoP interviews, such analysis having to be provided by WP1. Some WP1 results on the CoPs were presented during the common meeting between WP1 and WP2, WP3, WP4 and WP5 during the Palette summer school on June 26-28. After this summer school, WP1 provided WP3 with some retranscriptions of interviews and a few synthesis documents that were quite useful for D.KNO.03.

The official first results of WP1 will be available in its official deliverables planned for July 31, therefore the deliverable D.KNO.03 that we had to delay a little for waiting enough information from WP1 should be considered as an initial version, that will be refined later, once more information about Palette CoPs is available.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.KNO.01	CoP independent meta-ontology and support ontologies	3	M6	15 August 2006	CRP-HT
D.KNO.03	Specification of the CoP-oriented KM Tool offering Basic CoP-adapted KM services	3	M6	15 August 2006	INRIA

3.5 Workpackage WP4 – Mediation Services

Responsible Partner(s) : CTI, UNIFR

Contributing Partner(s):EPFL, UT, GATE-CNRS

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 100%

Objective & Achievements

According to the project's DoW, only one Task, namely "T4.1: Development of mediation support scenarios", had to be carried out in the first six months. An existing network of UNIFR with diverse Communities of Professionals (on management, technology, and education) was used. Through intense interaction with members of these communities, concepts were identified and scenarios of their activities (cf. activity theory) were developed. These scenarios comprise a static description of their type of activities, a dynamic description of CoP sessions (in general and in details), various types of decision making procedures, scenarios for document creation, and representative mediation processes. Also, they describe how knowledge bases in CoPs are build (cf. report WP4.1 General concepts of CoPs). The above concepts and scenarios were discussed with the teams developing knowledge management services (4 meetings) and information services (2 meetings) to investigate the synergic implementation of these services and the mediation services to be produced in WP4. It was identified that many mediation and decision making functionalities are included in the knowledge and information service tools. These have to be interoperable with the specialised mediation services developed in WP4 (cf. report "Interoperability of Services" for WP5). The concepts and scenarios identified are to be further polished in order to guide the development of the foreseen mediation services.

Also in the context of T4.1, EPFL elaborated the scenarios of support that their eJournal tool offers (this tool is being developed and used in Engineering Education since 2000). The previous support offered was found to be quite restricted. In the context of Palette, the above scenarios were revised in order to bring added value for any laboratory-oriented community of practice. The mediation support needs in such communities have been investigated and the corresponding model was accordingly defined. In the same line, mediation support scenarios were investigated by UT, focusing on the needs of CoPs in teaching. Main activities of this family of CoPs, particularly those related to technopedagogical training were documented (in accordance with the "ASPI - Analyzing, Sustaining, and Piloting Innovation model).

In parallel to the above work, previous expertise of CTI was exploited towards developing a web-based prototype supporting argumentative collaboration towards learning. This prototype, which is actually the deliverable D.MED.01, was launched on the web (<http://copeit.cti.gr>) and presented to all Palette partners during the Summer School at Fribourg (CoPe_it! is its name). Initial requirements, obtained through various discussions between partners of the project, were taken into account during the development of the above prototype. It was decided to keep its list of features and functionalities generic, for the better handling and integration of the detailed specifications to be obtained through Tasks 4.2-4.4 in the future (this prototype is considered as an early version of the tool to be produced in M18 – deliverable D.MED.02). Initiatives were also taken to identify potential users of the prototype, the aim being to receive feedback from its use and fine tune the services to be provided in the context of WP4. Finally, a close collaboration between all technical partners concerning the design of future development steps (related to e-Logbook concept, awareness services and ontologies) was established.

The work of Task 4.1 is completed (no deviations from the initial project's workplan). All partners contributed to this work as described in DoW. Much attention was paid to guarantee consistency between T4.1 and the related tasks of WP1. More specifically, according to the scheme of

participatory design presented in the related deliverable of WP1, the work carried out in T4.1 contributes to the steps 2 (modelling the activities) and 3 (design and presentation of models of ideal situations).

Future steps to be followed concern the continuous elaboration of the scenarios produced through the experimentation of all partners involved in WP4 and associated CoPs with the above prototype, which will also evolve accordingly (future steps are described in detail in Section 4 of D.MED.01). Generally speaking, work performed in T4.1 contributed, according to the initial plans, to the accomplishment of the specific objective “supporting collaborative learning” and the operational objectives “Development of a web-based tool supporting argumentative collaboration towards learning” and “Development of tools supporting monitoring and awareness of collaboration”.

Deviations

No significant deviation from the work program was observed for WP4 during the reporting period.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.MED.01	Prototype of the web-based tool supporting argumentative collaboration towards learning	4	M6	15 August 2006	CTI

3.6 Workpackage WP5 – Implementation of PALETTE Services and Scenarios

Responsible Partner(s) : UNIFR, EPFL

Contributing Partner(s):INRIA, CTI, CRP-HT, ULG, GATE-CNRS, AESCRA-EM

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 100%

Objective

Workpackage 5 aims at implementing the adequate framework for using PALETTE services produced by different partners. This should be done taking into consideration both pedagogical methodologies and technical requirements, which greatly enhance the collaboration between pedagogical and technical PALETTE teams. More specifically, the main objectives of WP5 are (1) an agreement on both the scenarios to be adopted in the participative design approach and the use of relevant standards in order to ensure interoperability between developed services and to facilitate their use and reuse within various scenarios; (2) the design and the implementation of PALETTE services repository. The latter repository should be based on semantic description of services that enables their categorisation. Moreover, facilities for efficient discovery, composition and orchestration of services should be provided; (3) refining the functional specifications of produced services and scenarios of use as well as guidelines of services composition and orchestration.

For the reporting period, the objectives were to progress on the achievement of Task 1: Adoption and use of standards and on the description of the first requirements for Task 2: Development of the PALETTE services repository and Task 3: Functional specifications of services and scenarios.

Achievements

Task 1 is in progress according to the planned objective. Discussions about the adoption of standards have been conducted through several internal meetings between WP5 and pedagogical partners as well as technical partners. Moreover, a “summer school” event was organized and dedicated to synthesis of the different categories of standards. Demonstrations of use cases and standard-based tools have been done. Training sessions have also been organized.

A significant achievement is a report detailing main decisions: D.IMP.01: First guidelines for development (M6) produced by EPFL and all partners involved in task 1. The planned actions for Task 1 will be dedicated to the enhancement of produced guidelines as well as formal description of services functionalities in order to facilitate their integration and composition. Moreover, a special focus will be given to the adequate representation of CoP's practice.

A first step has also been done in order to perform Task 2 with the collaboration of WP1. A first collection of partners' services (tools) is described and running on an XML web-based platform implemented at EPFL and, designed in collaboration with UNIFR and ULG. It is intended to share understanding about the potential of standards through operational tasks within the project. A first categorisation of services has been performed. Examples of categories include exchange of resources, expression of practice, decision making, and creation of knowledge. The analysis of obtained results and CoP's partners reactions will be further used to fix the requirements of Web services repository. Several meetings between WP5 and other partners are also planned.

For task 3, first functional specifications have been elaborated by UNIFR with strong collaboration with partners from WP2, WP3 and WP4.

Deviations

No significant deviation from the work program was observed for WP5 during the reporting period.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.IMP.01	First guidelines for development	5	M6	15 Sept 2006	EPFL

3.7 Workpackage WP6 – Evaluation and definition of best practices

Responsible Partner(s) : CSET

Contributing Partner(s): UNIFR, GATE-CNRS, EPFL, INRIA, CTI

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 100%

Objective

WP6 is mainly related to the specific objective “usability, acceptability and adaptability of tools” (note that all other objectives will be also affected). It aims to:

- Develop an approach to the evaluation of the methodological process adopted by the PALETTE project, as well as describing and operationalizing this approach (adaptability, acceptability and accessibility of the open-sources services);
- Plan for a formative evaluation to the project at each phase (involving process and outcomes)

Achievements

Task 1 has been achieved above expectations. We were able to develop the evaluation framework for PALETTE but also to undertake the 'visions of the project' work. This is added value for the project that is connected to the approach but was not identified as a formal deliverable.

The evaluation framework was developed by CSET, GATE and UNIFR who are experts in evaluation. EPFL, INRIA and CTI will precise and negotiate the framework (focus, data, timing, audience, etc.). Work undertaken:

- Establishment of a detailed framework in collaboration with the other work-packages (vision of the project, main aspirations, areas of particular interest)
- Identification of indicators that will focus the evaluation (RUFDATA method and EPO, based on previous experience, references for this work are provided)
- Establish the purposes of this aspect of the evaluation
- Establishment of a mutually agreed protocol
- Establishment of how the evaluation will be used
- Identification of different audiences for evaluation outputs
- Confirmation of timelines

In addition WP6 has undertaken and completed an exercise to establish the benchmark ‘visions’ of the PALETTE project from the project participants’ points of view. This will be used as a benchmark against which the project changes in conception can be articulated. This was not specified as part of the workplan so constitutes added value and a positive variation.

Virtual and face to face meetings have occurred on a weekly basis and all members of the core and wider team have been involved. The core WP6 team is long standing and works well. The wider team has participated well in the development of the first deliverable.

Task 2 has started with the inspection of tools that have been developed in previous EU projects. The team has begun to adapt the JITOL toolset with discussions with WP1 members. This is important to be able to create synergies across projects and over time.

Core Team CSET (Murray Saunders), UNIFR (Bernadette Charlier), GATE-CNRS (Joel Bonamy)

Wider Team CSET (Paul Ashwin), UNIFR (Adriana Gorga, Amaury Daele), EPFL (Christine Vanoirbeek), INRIA (Alain Giboin, Adil El Ghali), CTI (Nikos Karacapilidis, Dora Nousia, Manolis Tzagarakis, Christina Evangelou, George Gkotsis, Vasilis Kallistros, Nikos Karousos, Spyros Christodoulou), ULG (Robert Peeters), EM-Lyon (Liliane Esnaut)

Deviations

No significant deviation from the work program was observed for WP6 during the reporting period.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.EVA.01	A framework plan for the evaluation and depiction of PALETTE processes and outcomes.	6	M6	15 August 2006	CSET

3.8 Workpackage WP7 – Dissemination and exploitation

Responsible Partner(s) : Nisai

Contributing Partner(s): ERCIM, EPFL, UNIFR, INRIA, CTI, CRP-HT, ULG, GATE-CNRS, CSET, ePrep, Nisai

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 75%

Objective

WP7 is related to the specific objective “usability, acceptability and adaptability of tools”. It aims at: firstly, providing dissemination activities about the work performed and, secondly, guaranteeing that the set of services developed within the framework of the project will be made available, maintained and extended beyond the life of the project.

Achievements

During this first phase of the project

Palette Website - <http://palette.ercim.org>

The Palette website was launched in May 2006 . It is intended to be a key support for communication both within the project and with external stakeholders. All tools and information on the project will be accessible from it.

The structure, design, and content have been discussed and defined as follows by the Steering Committee : to create a Palette identity, a specific design and colour chart was developed. For its administration, the palette website is based on a content management system, the open source CMS Joomla.

The following general structure has been adopted :

- **Homepage** – Most recent news and events
- **Objectives** – Mission of the Palette project
- **Consortium** - Participants in the Palette Project
- **Events and meetings** - Important events and meetings which Palette will attend to and/or be organising
- **News and archives** - Presents articles and news about the Palette project collected on the Internet (Organisations, Conferences)
- **Training** - Training sessions organised by palette with practical information on the Programme, Agenda, registration procedure
- **Deliverables** - Public Deliverables produced during the project
- **Publications** - List of publications produced during the Palette project.
- **Tools and prototypes** - and runnable prototypes produced within the project
- **CoP's Blogs** - dedicated to participants of communities of practice who wish to express and debate ideas about tools and methods in the focus of the project
- **Intranet** - Access to BSCW secured collaborative working area **Contact** - Lead contacts for the project
- **Glossary** - Definitions of specific vocabulary introduced in the DoW
- **Links** - Links to other useful resources related to the project such as conferences and workshops

Content has been implemented and will continue to be regularly in the coming months.

Palette Intranet BSCW - <https://bscw.ercim.org/bscw/bscw.cgi/62321>

The intranet too BSCW is described in detail in section [WP0 – Coordination](#)

Workshops

The first scientific workshop will be held during the TEL-COPs'06 conference on building technology enhanced solutions for communities of Practice (Chair : Nikos Karacapilidis – CTI) in Crete, Greece on the 2 October 2006 <http://palette.cti.gr/workshops/telcops06.htm>

CTI answered a call for workshop proposal from TEL-COPs (a big European event on thematic which match Palette's objectives) which was accepted.

The scientific workshop program has been prepared by UNIFR with the collaboration of CTI and CSET. It has been presented during the June summer school in Fribourg.

The call for proposals of the first scientific workshop has been launched by CTI among diverse networks and has received a good success : 25 submission have been received are actually being reviewed.

Newsletter publications

The editorial board has been set up :

- WP0 – Catherine Marchand - ERCIM
- WP1 – Brigitte Denis - ULG
- WP2 – Vincent Quint - INRIA
- WP3 – Rose Dieng-Kuntz- INRIA
- WP4 – Nikos Karacapilidis - CTI
- WP5 – Bernadette Charlier - UNIFR
- WP6 – Murray Sanders – CSET
- WP7 – Jean Larock - CRP
- WP8 – Andy McGarry – Nisai

The first meeting is planned for the first week of September. Key questions such as newsletter audience, goal and publishing frequency will be discussed on this occasion.

Brochure

A draft flyer has been realised and used for Dissemination and distributed in Singapour IST conference. The palette brochure will inspire itself from it and be delivered at the end of M7.

Deviations

No significant deviation from the work program was observed for WP7 during the reporting period.

Deliverables

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.DIS.01	Palette Website	7	M3	May 2006	Nisai
D.DIS.02	Initial Brochure	7	M3	31 August 2006	Nisai
M.DIS.02	Palette Newsletter	7	M3	30 September 2006	Nisai
D.DIS.03	Palette Workshop Program	7	M6	15 August 2006	UNIFR

3.9 Workpackage WP8 – Training

Responsible Partner(s) : CRP-HT

Contributing Partner(s):EFPL, UNIFR,ULG, AESCRA-EM Lyon, Nisai, Mindonsite, TELUU

Schedule dates: M1-M6

Actual dates: M1-M6

Estimated achievement for the first six months: 75%

Objective & Achievements

During these first six months, the partners have mainly focused on the first from the three WP8's objectives: "Sharing and make evolve knowledge and expertise among the partners of the project". So the main task on which the contributing partners have worked on is the task 8.1 related to the internal training activities (Task leader UNIFR). This was concretised during the "Palette Summer School" held in University of Fribourg. It was a plenary face to face meeting to which each partner was invited. Approximately 40 persons participated to this Palette project activity.

The agenda (available on the web site of Palette project: <http://palette.ercim.org/>) included two days of training in the fields of standards in CoPs practices - relevance and impact- and methods that assist in scenario modelling: Mot and Actor Network Theory (ANT). The last day was dedicated to discussions inside WP and to presentations of upcoming deliverables.

Globally, the participants were satisfied for conception and general organisation of Palette Summer School. They agreed summer school objectives relevance and the overall program. However they ask more time for inter WP collaborative work because it is necessary to better understanding the work of each and every. They were also satisfied for the relevance of training subjects, for the presentations and the discussions which followed. The most important reasons for their satisfaction related to the Palette Summer School were: the real work together, the opportunity to learn about new tools and modelling methods and the quality of interactions between partners. The focal point of the dissatisfaction was related to time for discussions. Among the suggestions of thematic for the next Palette Summer schools, the most frequent is the proposition to discuss more about communities of practice (general concept, learning process in CoPs, CoPs animation, Knowledge management applied to the needs of CoPs, etc.). Other propositions are related to developing scenarios (collaboratively), knowledge representation, semantic web agents providing services and human computer interaction.

Concerning the others WP8's tasks that will start at month 6 and 12, the contributing partners had some discussions to propose a common way to detect the need and establish the list of potential training sessions needed for the Palette project. The partners also decided to have a common way to describe all the different trainings that will occur in the palette project (with a dedicated standard xml format) in order to make more "readable" and "exploitable" the deliverable D_TRA_01.

The next face-to-face WP8 meeting is foreseen during the Creta workshop in October. Until this meeting, some virtual meetings between the WP8's partners will be planned.

Deviations

No deviation from the project workprogramme has been identified so far as task 8.1 was the only one that has been planned for the first 6 months of the project. Task 8.2 is foreseen to start at month 6 and task 8.3 at month 12.

Deliverables

No deliverables were due for WP8 during this first six month period.

4 – Consortium management

As WP0 was in charge of coordination, its progress report is in a dedicated section [3.1 – Workpackage 0](#)

4.1 Project meetings (including WP technical meetings)

Title	Date and Place	Main conclusions
Concertation Meeting	6 – 7 February - Luxembourg	Kick off meeting Preparation. A generic ppt presentation was prepared and presented.
Kick-off Meeting	13 – 15 March - Lausanne	All institutes introduced their teams and their reasons to join the Palette project. WP leaders presentations ensured a common understanding of the objectives and means to reach them.
WP1-WP2	13 April - Grenoble – INRIA & ULG	Shared a deeper understanding of the technical work of WP2 and the status work in WP1
WP8	19 April – Luxembourg – GATE CNRS & UNIFR	Identify the steps to follow in the design and organisation of external training sessions
WP2	23 May - ULG	Presentation of Amya for the Fom@Hetice group
WP2 & WP4	30 – 31 May - UNIFR & INRIA	Manfred Kunzel (UNIFR) visited INRIA to coordinate between WP2 & WP4. Several collaborative tools were discussed as well as different uses of LimSee and Amaya regarding cooperation in CoPs.
Steering Committee	6 June - Audioconference	Minutes on BSCW
WP3	16 June – Sophia Antipolis – INRIA, CRP-HT, CTI, GATE CNRS, EPFL, UNIFR	WP3 internal meeting
Summer School	26 – 28 June Fribourg	The evaluation of the summer-school demonstrates the satisfaction of the participants. A better understanding of the issues of the project (Standards, Scenario representation) has been reached see WP8 report
WP8	26 June - Fribourg	Discussion a list of potential trainings, the way to describe and assess the training sessions to establish the Palette Training Catalog
Steering Committee	27 June - Lausanne	Main discussions on standards, mailing list
WP1,2,3,4	28 June - Lausanne	Discussion about CoPs observers and main expectations of technical partners
WP3	5,12,20,27,30 – 5 audioconferences INRIA, CRP-HT, CTI	Preparation of deliverables D.KNO.01 & D.KNO.03
WP7	10 July – Audioconference	Minutes on BSCW
WP1 & WP4	13 July – INRIA, UNIFR	Discussion on Identification of tasks in specific CoPs and their relation to ontologies, a brainstorming on architecture and interoperability of services
Steering Committee	24 July - Audioconference	Minutes on BSCW
Editorial Board preparatory	1 st September - Audioconference	Discussions on Palette Brochure and first elements on palette Newsletter to prepare the first editorial board meeting in September

4.2 Key Personnel involved in the project as per Annex I to the contract (DoW)

Participants	Names of Key staff	PM Planned for first 6 months	WPs	% own resource For AC partners only Planned for first 6 months
ERCIM	Bruno Le Dantec Nathalie Ruffa	7	0,7	NA
EPFL	Christine Vanoirbeek	11	0,1,2,4,5,6,7,8	11 %
UNIFR	Bernadette Charlier Aida Boukoyatta Manfred Kunzel Amaury Daele	28	1,4,5,6,7,8	18%
INRIA	Vincent Quint Rose Dieng-Kuntz	23	1,2,3,4,5,6,7	NA
CTI	Nikos Karacapilidis Dora Nousia	19	1,2,3,4,5,6,7	0 %
CRP-HT	Thibaud Latour Luc Vandenabeele	14	1,3,5,6,7,8	NA
UT	Azeddine Chick	2,9	1,3,4,6,7	45 %
ULG	Brigitte Denis	8,5	1,2,5,6,7,8	9,5 %
AESCRA-EM Lyon	Liliane Esnault	3,5	1,3,4,5,8	NA
GATE-cnrs	Joel Bonamy Romain Zeiliger	30	1,4,5,6,7	0 %
CSET	Murray Saunders	1	6,7	75 %
ePrep	Nathalie Van de Wiele	2,03	1,7	0 %
Nisai	Dhruv Patel	3	1,7,8	NA
Mindonsite	Christian Martin Elodie Primo	1,3	0,1,7,8	NA
TOTAL		154		

4.3 Person month status report

CONTRACT N° 028038		All Partners - Eligible Person-month per Workpackage														
ACRONYM: Palette		TOTALS	ERCIM	EPFL	UNIFR	INRIA	CTI	CRP-HT	UT	ULG	AESCRRA	GATE-CNR'S	CSET	Eprep	Nisai	MindOnSite
PERIOD 01/02/2006	31/07/2006															
WP0	Actual WP total	5,00	4,00	1,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	
	Planned WP total	5,70	4,70	1,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	
WP1	Actual WP total	31,64	0,00	2,00	8,50	2,40	2,19	0,50	0,00	7,45	2,20	3,45	0,90	1,36	0,22	
	Planned WP total	27,72	0,00	1,30	6,00	2,50	2,20	1,50	0,00	7,00	1,50	2,70	1,00	1,36	0,33	
WP2	Actual WP total	10,00	0,00	2,00	1,70	6,00	0,00	0,00	0,00	0,30	0,00	0,00	0,00	0,00	0,00	
	Planned WP total	10,00	0,00	2,00	2,00	6,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	
WP3	Actual WP total	25,22	0,00	0,00	0,00	6,00	8,96	7,16	3,00	0,00	0,10	0,00	0,00	0,00	0,00	
	Planned WP total	29,23	0,00	0,00	0,00	11,00	9,00	8,33	0,60	0,00	0,30	0,00	0,00	0,00	0,00	
WP4	Actual WP total	10,50	0,00	2,00	5,20	0,10	2,00	0,00	1,00	0,10	0,10	0,00	0,00	0,00	0,00	
	Planned WP total	14,70	0,00	2,00	7,00	0,00	2,00	0,00	0,70	0,00	0,30	2,70	0,00	0,00	0,00	
WP5	Actual WP total	10,20	0,00	3,00	1,70	1,30	3,35	0,00	0,00	0,75	0,10	0,00	0,00	0,00	0,00	
	Planned WP total	17,25	0,00	4,00	5,00	1,50	3,35	1,00	0,00	0,70	0,40	1,30	0,00	0,00	0,00	
WP6	Actual WP total	8,78	0,00	0,50	2,70	0,20	1,53	0,00	0,00	0,20	0,20	3,45	0,00	0,00	0,00	
	Planned WP total	11,06	0,00	0,60	3,00	2,00	1,53	0,33	0,00	0,60	0,00	3,00	0,00	0,00	0,00	
WP7	Actual WP total	8,52	1,40	0,20	2,10	0,00	0,82	0,56	0,00	0,30	0,00	0,00	1,00	0,67	1,00	
	Planned WP total	13,77	2,35	0,10	4,00	0,00	0,85	1,30	0,00	0,20	0,00	0,30	1,00	0,67	2,67	
WP8	Actual WP total	4,66	0,00	0,50	1,20	0,00	0,00	1,89	0,00	0,10	0,50	0,00	0,00	0,00	0,47	
	Planned WP total	4,76	0,00	0,10	1,00	0,00	0,00	2,00	0,00	0,00	1,00	0,00	0,00	0,00	0,66	
	Actual total	114,52	5,40	11,20	23,10	16,00	18,85	10,11	4,00	9,20	3,20	6,90	1,90	2,03	1,22	
Total PM	Planned total	134,19	7,05	11,10	28,00	23,00	18,93	14,46	1,30	8,50	3,50	10,00	2,00	2,03	3,00	
															1,32	

CONTRACT N° 028038		AC Partners - Own Staff														
ACRONYM: Palette		TOTALS	ERCIM	EPFL	UNIFR	INRIA	CTI	CRP-HT	UT	ULG	AESCRRA	GATE-CNR'S	CSET	Eprep	Nisai	MindOnSite
PERIOD 01/02/2006	31/07/2006															
WP0	Actual WP total	1,10		0,60	0,40		0,00		0,00	0,10		0,00	0,00	0,00		
	Planned WP total	0,60		0,60	0,00		0,00		0,00	0,00		0,00	0,00	0,00		
WP1	Actual WP total	4,80		0,10	1,40		0,00		0,00	1,00		2,30	0,00	0,00		
	Planned WP total	1,20		0,10	0,00		0,00		0,50	0,60		0,00	0,00	0,00		
WP2	Actual WP total	0,20		0,10	0,00		0,00		0,00	0,10		0,00	0,00	0,00		
	Planned WP total	0,20		0,10	0,00		0,00		0,00	0,10		0,00	0,00	0,00		
WP3	Actual WP total	0,60		0,00	0,00		0,00		0,60	0,00		0,00	0,00	0,00		
	Planned WP total	0,40		0,00	0,00		0,00		0,40	0,00		0,00	0,00	0,00		
WP4	Actual WP total	1,80		0,00	1,30		0,00		0,50	0,00		0,00	0,00	0,00		
	Planned WP total	0,30		0,00	0,00		0,00		0,30	0,00		0,00	0,00	0,00		
WP5	Actual WP total	0,50		0,10	0,30		0,00		0,00	0,10		0,00	0,00	0,00		
	Planned WP total	0,20		0,10	0,00		0,00		0,00	0,10		0,00	0,00	0,00		
WP6	Actual WP total	9,95		0,00	0,40		0,00		0,00	0,10		3,45	6,00	0,00		
	Planned WP total	6,20		0,00	0,00		0,00		0,10	0,10		0,00	6,00	0,00		
WP7	Actual WP total	0,60		0,30	0,30		0,00		0,00	0,00		0,00	0,00	0,00		
	Planned WP total	0,60		0,30	0,00		0,00		0,30	0,00		0,00	0,00	0,00		
WP8	Actual WP total	0,60		0,00	0,50		0,00		0,00	0,10		0,00	0,00	0,00		
	Planned WP total	0,00		0,00	0,00		0,00		0,00	0,00		0,00	0,00	0,00		
	Actual total	20,15		1,20	4,60		0,00		1,10	1,50		5,75	6,00	0,00		
Total PM	Planned total	9,70		1,20	0,00		0,00		1,60	0,90		0,00	6,00	0,00		

Actual total	134,67	5,40	12,40	27,70	16,00	18,85	10,11	5,10	10,70	3,20	12,65	7,90	2,03	1,22	1,41	
Total PM	Planned total	143,89	7,05	12,30	28,00	23,00	18,93	14,46	2,90	9,40	3,50	10,00	8,00	2,03	3,00	1,32

4.4 Budget Transfer from EPFL to UNIFR

See Annex I

4.5 Deliverables

A list of Evaluators has been established for all deliverables and the evaluation process goes on well. There is a real effort from the consortium to submit the deliverables on time.

The complete list of Deliverables due for the first 6 months period :

Del	Deliverable name	WP	Date due	Actual delivery date	Leader
D.MAN.01	Detailed overall management bodies	0	M1	18 July 2006	ERCIM
D.MAN.02	Palette Quality Assurance	0	M3	18 July 2006	ERCIM
D.MAN.03	Six monthly progress report	0	M6	05 Sept 2006	ERCIM
D.PAR.01	Grid of analysis supporting the synergy specification plan	1	M6	31 st July 2006	ULG
D.PAR.02	Categorisation of tools and pedagogical approaches related to collaborative learning and CoPs	1	M6	31 st July 2006	ULG
D.INF.01	Report on the design of extension mechanisms for creating templates, using templates for editing and customizing the user interface, and of extensions to be integrated in the information reuse tool	2	M3	15 may 2006	INRIA
D.KNO.01	CoP independent meta-ontology and support ontologies	3	M6	15 August 2006	CRP-HT
D.KNO.03	Specification of the CoP-oriented KM Tool offering Basic CoP-adapted KM services	3	M6	15 August 2006	INRIA
D.MED.01	Prototype of the web-based tool supporting argumentative collaboration towards learning	4	M6	15 August 2006	CTI
D.IMP.01	First guidelines for development	5	M6	15 Sept 2006	EPFL
D.EVA.01	A framework plan for the evaluation and depiction of PALETTE processes and outcomes.	6	M6	15 August 2006	CSET
D.DIS.01	Palette Website	7	M3	May 2006	Nisai
D.DIS.02	Initial Brochure	7	M3	31 August 2006	Nisai
M.DIS.02	Palette Newsletter	7	M3	30 Sept 2006	Nisai
D.DIS.03	Palette Workshop Program	7	M6	15 August 2006	UNIFR

4.6 Variation in PM consumption

Some Institutes show a variation between planned PM and actually realised PM during this period. This is due to difficulty staffing during the first months. This is the case for CRP-HT which didn't have all the resources expected for the beginning of the project and is actually in final stage of recruiting 2 members on their Palette Staff. In the same way, the two engineers planned by INRIA Sophia Antipolis could be hired only in May and July.

5 – Use and Dissemination

5.1 Conferences and/or Workshops organised/foreseen by the project

Planned/ actual dates	Type	Type of audience	Countries addressed	Size of Audience	Partner responsible /involved
February 6 &7, 2006	Conference Presentation of PALETTE project during EC concertation meeting - Luxembourg	EC projects	Europe	45 attendees	EPFL, ERCIM
May 26, 2006	PALETTE presentation at the 2006 TICE Mediterranean Conference – Italy	Higher education and research	Italy, France and Mediterranean countries	120 attendees	ePrep
Oct 2, 2006	TEL-CoPs'06: 1st International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice, held in conjunction with the 1st European Conference on Technology Enhanced Learning - Crete, Greece, October 2, 2006	Higher education and research	International	30 attendees	CTI (resp) / UNIFR, ULG, EPFL, INRIA, CRP-HT, AESCRA-EM Lyon (involved)
June 26 to 28, 2006	Summerschool PALETTE summerschool - Fribourg	Higher education and research	Europe	40 attendees	UNIFR EPFL INRIA TELUQ
May 5 &6, 2006	Posters PALETTE poster for the 2006 international Workshop - France	Higher education and research	France, European and Mediterranean countries, China	150 attendees	ePrep
February 6, 2006	Direct e-mailing Specific dissemination through ePrep mailing list	Higher education and research	France / French-speaking countries	1000	ePrep
July, 2006	e-newsletter Article about PALETTE project in ePrep newsletter	Higher education and research	France / French-speaking countries	Web	ePrep
May 2006	Website Publication of Palette website http://www.palette.ercim.org	Higher education and research	International	Web	ERCIM, Nisai
July 13, 2006	Website referencing Reference to the PALETTE project on the French Ministry for Education TeL Website	Higher education and research	France / French-speaking countries	Web	ePrep
March, 2006	Reference to the PALETTE project on the ePrep Website	Higher education and research	All (French and English version)	Web	ePrep

5.2 Scientific publications

- Rekik, Y., Gillet, D., Nguyen-Ngoc, A.V., Guillaume-Gentil, T., *Framework for sustaining collaboration in laboratory-oriented communities of practice*. In Proceedings of the International Conference on Information Technology based Higher Education and Training (ITHET 2006), Sydney, Australia, July 10-13, 2006
- R. Deltour, A. Guerraz, C. Roisin, *Multimedia Authoring for CoPs*, TEL-CoPs'06, Crete, Greece, October 2, 2006
- R. Deltour, C. Roisin, *The LimSee3 Multimedia Authoring Model*, ACM DocEng 2006, October 10-13, 2006, Amsterdam, The Netherlands.
- F. Campoy Flores, V. Quint, I. Vatton, *Templates, Microformats and Structured Editing*, to appear in ACM Document Engineering proceedings 2006, Amsterdam, The Netherlands, October 10-13, 2006.
- Aida Boukottaya, Bernadette Charlier, Christine Vanoorbeek, *A Document Reuse Tool for Communities of Practice*, to appear in proceedings of the 1st International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice, held in conjunction with the first European Conference on Technology Enhanced Learning in Crete, Greece, 2 October 2006.

5.3 Results of the project

Description	Details
Software prototype	CoPe_it! (http://copeit.cti.gr/) Web-based prototype supporting argumentative collaboration towards learning

ANNEXES

Annex I – Budget Transfer between EPFL and UNIFR – PM reallocation

The PM reallocation from EPFL to UNIFR is as follows :

Initial Situation (18 months)

	WP0	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8
EPFL pm	3	6	21		17	18	3	2	3
UNIFR pm		18			14.5	18	10	9	4

New situation (18 months)

	WP0	WP1 (3)	WP2 (6)	WP3	WP4	WP5 (4)	WP6 (1)	WP7	WP8 (1)
EPFL pm	3	3	15		17	14	2	2	2
UNIFR pm		21	6		14.5	22	11	9	5

The figures in () in the second table indicate the number of PM transferred from EPFL to UNIFR.

A total of 15 PM have been transferred from EPFL to UNIFR (15 pm for UNIFR equal to 16 pm for EPFL)



Subject PALETTE N° 028036 - Budget transfer between EPFL and Uni Fribourg



Dear Mrs Christine Vanoirbeek,



Aida Boukoyatta is working on the PALETTE project and will finally be employed by University of Fribourg instead of EPFL as foreseen in the proposal.



As a consequence, the costs of Aida will be directly paid and charged to the contract by University of Fribourg.



As a result, a transfer of budget of a total amount of **132 055 CHF** (which equals to **88 037 Euros**) from EPFL to University of Fribourg should be organised as soon as possible to cover the employment costs of Aida Boukoyatta.



Best regards



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