Cycles in the project

- **Cylcle 1**: core system delivered November 1th 2006
- **Heerlen meeting**:  
  - Initial technical use cases  
  - Initial architecture  
  - Initial domain model from DoW
- **Sofia meeting**:  
  - Presentation of first TENCC prototype  
  - Tasks defined in programming the core application  
  - User interface idea (music)
- **Kerkrade meeting**:  
  - Demonstration of first implementation of core system  
  - Domain Model version 1.0 ready
At the same time

- WP2 use cases
Domain Model Functions

1. to define the **scope of the project**, including the scope for the use cases
2. to define the **vocabulary** used (common ground)
3. to define the **relationship** between the concepts used
4. to define the **overall conceptual architecture**
5. to provide a **technological theory** for the project that must be tested in the pilots
6. to provide a starting point for the **design of other models**, like the data model and services
7. to define the **minimal functional components** that must be present in the TENCompetence infrastructure
7 Core Requirements (solve problems:)
1. Implement New Pedagogical & Organisational Models for Lifelong Compt Development
2. Support the Discovery of Best Solutions
3. Stimulate Pro-active Sharing of resources
4. Support Competence Assessment
5. Provide Effective & Efficient User Support
7. Integrate Isolated Models & Tools from four 'worlds': knowledge sharing (WP5); learning activities (WP6); programmes (WP7); learning networks (WP8)

Non-functional Requirements:
1. Open Source Only (OSI)
2. Use of Open Standards
3. Service Oriented Architecture
4. Extensible
5. OSS services can be replaced by commercial services

Organised Pilots in Project Plan:
1. Digital Cinema (first 18 month)
2. Health Care (after 18 month)
3. Indonesia Water Mng (after 18 month)
4. Antwerp Lifelong Learning City (after 18 month)

Additional Pilots:
1. Small pilots by Partners
2. Pilots by Ass. Partners
3. Pilots by others
At any time!

Use Cases & Domain Model
Primary use cases specified

All primary use cases are connected to the 'goal' class in the Domain Model. A lifelong learner can use the system to get support for the attainment of the following goals:

- I want to keep up to date within my existing function or job
- I want to study for a new function or job or improve my current job level
- I want to reflect on my current competences to look which functions and jobs are within my reach or to help me define new learning goals
- I want to improve my proficiency level of a specific competence
- Want some support on a non-trivial learning problem
- Want to explore the possibilities in a new field (learning network) to help define new learning goals
Validation activities

• Presenting and discussing it with various actors:
  - Universities (e.g. Sarbonne in Paris)
  - Prolearn Summerschool
  - Discussions with associated partners
  - Etc.

• Test it on the requirements and functionality as specified in the DoW

• Test each use case on the Domain Model systematically

• Test whether it is implementable/usable for software development
Current version 1.0

- It concentrates on the functional aspects mentioned in the DoW and describes the system to meet the 7 functional requirements.
- Further elaboration of the initial domain model in the DoW.
- Includes more details, but still is a model that strives to have a minimum number of (high level) classes.
- It should meet all the requirements mentioned in the use cases (given that the use cases are defined within the scope of the project as described in the DoW).
- The mapping of the use cases on the domain model should still be tested.
Original file of Domain Model

Dspace:

• http://hdl.handle.net/1820/649
The Domain Model has three diagrams:

- The core domain model. These concepts are also explained in the vocabulary.
- The rating mechanism that is available on all classes.
- Some packages that should be explored for future integration conform to the project plan.
- I want to keep up to date within my existing function or job
- I want to study for a new function or job or improve my current job level
- I want to reflect on my current competences to look which functions and jobs are within my reach or to help me define new learning goals
- I want to improve my proficiency level of a specific competence
- Want some support on a non-trivial learning problem
- Want to explore the possibilities in a new field (learning network) to help define new learning goals
Rating (second diagram)
Services to be elaborated (third diagram)

- Action support service
- Navigation Service
- Positioning service
- Social exchange policies
- Notification service
- Monitoring service
Vocabulary

• Each class and relation is described in the vocabulary document that can be found in dspace.
TENCC Demonstration

- Planning: 1-11-2006 ready for content entry by digital cinema pilot; 1-1-2006 run of digital cinema pilot and other tests by (ass.) partners
- Data-model derived from Domain Model
- One goal elaborated “study for a new function/job”
- Proof of concept