

Chapter 6

The actual State of Art of Archimed Knowledge Village - A User Centered Presentation

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6.1) Introduction

In this chapter will be presented the actual state of art of the Archimed Knowledge Village (AKV) - an open distant learning and teaching environment developed during the Archimed project. This presentation will be given from the point of view of the *user*. A structural, functional and technical description of the different modules composing the Archimed Knowledge Village (AKV) have been given in chapter 3.

There are three different groups of users potentially exploiting the different services of AKV :

- The « learners » or « students » (broadly speaking) - a category that recovers these populations of Internet users who intend to register as a « student » of AKV in order to follow one or more courses in a virtual training centre of AKV and to use the different related services open for them ;
- The « teachers » (« monitors », « instructors ») - a category that recovers these populations of Internet users who intend to register (and are accepted) either as responsible of a training centre or as responsible of one or more training courses in order to use the AKV professional user services for publishing their courseware and for managing their pedagogical activities ;
- The « general user » - a category of all those Internet users who only « visit » the AKV and its freely accessible services (such as the AKV library, the AKV catalogue of virtual training centres, the AKV catalogue of proposed courses, the AKV job board, ...) without registering themselves either as students or as teachers (It has to be stressed that the third category of users is important in the sense that it constitutes a potential « diffusion » and « promotion vector » for attracting especially new students ...).

The presentation of AKV in this chapter has the objective to make clear what are the principal interests for these three user groups and how they could exploit the proposed services of AKV. The user centered presentation of the AKV environment will be organised as follows :

- **Introduction** : Start with the wellcome page and general information ...
- **First part** : simulated consultation/navigation of AKV's virtual campus (for students as well as for general users)
- **Second Part** : simulated distant learning and monitoring process in the AKV
- **Third part** : simulated exploitation possibilities of the virtual studio (for registered responsables of distant training centres and registered teachers/instructors, ...)

For the moment, the AKV constitutes a working prototype - most of the services, presented hereafter, are already working and can be used either freely or by registered users. Nevertheless, some services are still under construction and several

of them represent important practical and technological limits which will be clearly pointed out during the presentation.

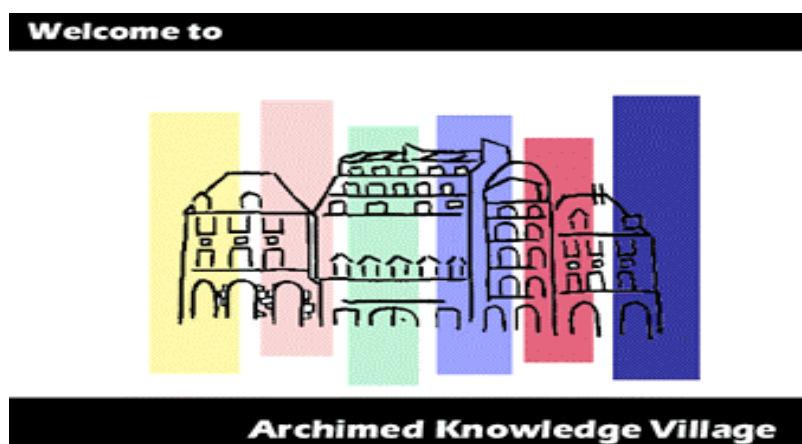
Introduction

6.2) The AKV Welcome Page

The web address of the Archimed Knowledge Village homepage is the following one : <http://semionet.msh-paris.fr/citedeslangues>. The visit and use of the AKV services are optimized for the universal client MS Explorer (4.01 and latter). It is, therefore, recommended to use MS Explorer (4.01 or latter). But the use of Netscape Navigator (4.5) is also possible (it may happen that some especially graphical features don't correctly appear and that the user of Netscape has have to download different plug-ins for visualizing especially coursewares developed with specialised authoring languages such as Authorware or Director). In activating the above mentioned web address, the user will find the following interface :



This is a simple and static « welcome page » inviting the user to chose either English or French for visiting the AKV. By clicking on the English option, an animated and interactive page (figure 2) will appear which possess essentially the same graphical device as the previous page :



As it can be observed, the page contains the Archimed logo as well as a reference concerning creation and copyright of the page : these two information are provided by each page conceived and developed within the Archimed project.

The bottom of the page contains different interactive buttons for downloading freewares enhancing the use of the proposed services (Shockwave - a technology of Macromedia for visualizing animations written with Flash, Director and Lingo, MS Explorer 5 for navigating comfortably, ...).

The central part of this page contains five principal buttons :

- A general information button (giving an access to an information page presenting and explaining the AKV);
- A button connecting the user with the AKV virtual student's campus;
- A button connecting the user with the AKV virtual teacher's studio;
- A button connecting the user to a page presenting the global structure of AKV (the "site map"),
- A button connecting the user to a page where he/she finds information concerning the Archimed's consortium

6.3) Consultation of the General Information, the Archimed's Consortium

Pages and the Site Map

In clicking on the «general information» button of the English homepage of AKV, the user will be connected with a page that provides him/her with :

- a) a short description of the AKV and its objectives,
- b) the proposed services,

and informs him/her of how to use and exploit these services.

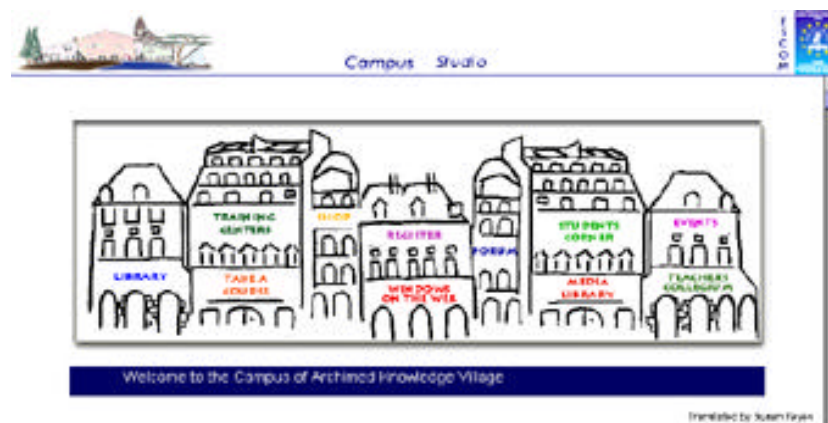
By clicking on the "site map" button, the user can visualise a graphical schema representing the global structure of the AKV web site

By clicking on the «Archimed's Consortium» button of the English homepage, the user will be connected with a page proposing a short description of the Archimed's project and consortium as well as of the INCO-COPERNICUS programme.

First Part : The AKV's Virtual Campus

6.4) Visit of the AKV Virtual Campus

By clicking on the «Virtual Campus» button of the English homepage, the user will be connected with the main menu (figure 3) of the AKV's virtual campus freely accessible for everybody.



As it can be seen, the chosen design uses deliberately the spatial metaphor of a latino-mediterranean village architecture. This « conservative » choice is motivated on the one hand because of the « geographical » and cultural origins of the consortium and , on the other hand, for allowing the user to move and work within a cultural and mental space for which he/she possess very probably cultural and experiential references. There are two permanent interactive buttons on the upper zone of the main menu:

- -the first one is dedicated to come back to the main menu of the virtual campus,
- -the second one gives a direct access to the main menu of the virtual studio.

This upper zone is permanently available to the user. Other permanent interactive buttons could be created but, for the moment, the conceptual decision is to maintain as low as possible the number of permanent interactive buttons.

The central part of the main menu, suggesting a sort of mediterranean village, is composed by a set of interactive zones giving access to the principal services of the AKV :

- The AKV's students' registration « hall »,
- The AKV's distant learning centres « hall »,
- The AKV's central catalogue of proposed courses,
- The AKV's central digital library,
- The AKV's central digital mediatheque,
- The AKV's central electronic shop,
- The AKV's central calendar of events « kiosk »,
- The students' AKV services « house »,
- The virtual collegium of AKV's responsables and teachers,

- The AKV's Internet services « hall ».

All of these principal services are in free access mode (i.e. accessible for registered as well as not registered users).

6.5) The AKV Student's Registration Service

By clicking on the interactive button «students registration» on the main menu of the virtual campus, the user accesses to the students' registration service page (figure 4).



In a short introduction, it is explained to the user what the registration process is and how it functions (from the user point of view), why he/she should ask for a login and a personal password, what he/she should do in the case of having forgotten or lost the password. There is also a link to a « chart » stipulating the legal and moral framework which is firmly supposed to be respected by each registered user. The AKV explicitly confirms that all collected data from the users will be treated confidentially, that they are delivered only to the responsables of the concerned distant learning centres as well as to the teachers of the courses in which a user is interested.

The user has to deliver a set of personal and professional data some of which are obligatory. Then, the user has to chose (figure 5) either the distant training centre he/she wants to become a registered student or a particular course he/she wants to follow (the difference is that in the first case, he/she can follow all courses proposed by a distant learning centre, whereas in the second case not).

Campus Studio

Please, fill the form below

Last name [compulsory] _____

Surname [compulsory] _____

Personal Coordinates

Personal Address:

Street [compulsory] _____

Street Number [compulsory] _____

City [compulsory] _____

Country [compulsory] _____

Telephone Number _____

Email _____

(If you don't have a personal email, you can go to  in order to get one free of charge)

In a - actually - final step, the user chooses his/her password, confirms it and sends his/her registration request to the concerned responsible and/or teachers (the « dispatching of electronic messages » is done automatically, cf. for more explanations chapter 3). The student has to wait up to 48 hours before receiving via electronic mail the confirmation of his/her registration.

With his/her login (family name) and password, the registered user (« student » or « learner ») can :

- Follow one course or all courses proposed in one distant learning centre ;
- Organize his/her learning with the help of a personalized « student's desk » (cf., below) ;
- Use the different AKV students' services (job board, post-it, personal web site).

The whole registration process (student's data insertion, electronic mail to concerned teachers and responsables, confirmation of the registration) works correctly.

In a future version of this service, the user having the intention to become a registered student, will be asked for more detailed information concerning especially his/her interests and preferences (knowledge fields, publications, medias, types of events, ...). This information will be used for more intelligent « personal services » informing regularly the user about news, events and other items which are of potential interest for him/her.

6.6) A Visit of the AKV Distant Training Centres « Hall »

By clicking on the interactive button « (distant training) centres » of the virtual campus main menu page, the user accesses to a page (figure 6) where he/she finds a list of the actually existing distant learning centres of the AKV.




 List of the actual distant web training centres in the Archimed Knowledge Village:

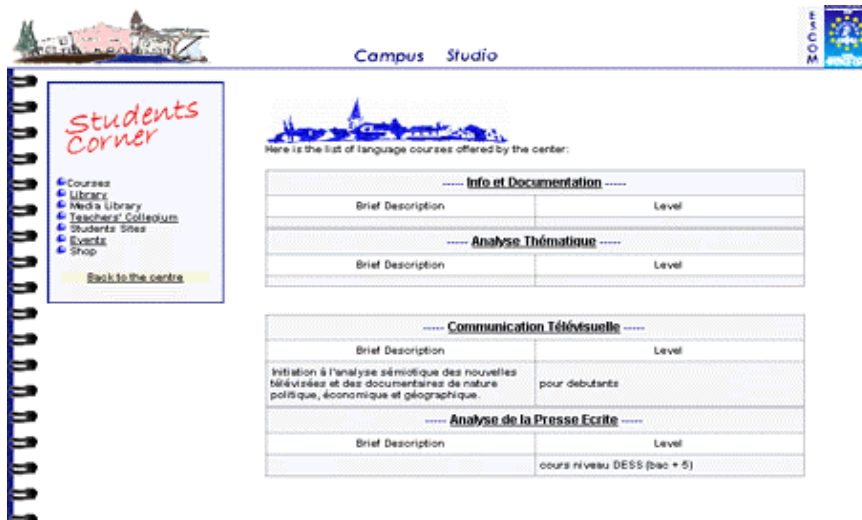
Center	Person in Charge
centre de formation en sémiotique des médias	Peter Stockinger
Center	Person in Charge
Graha-Greek Institute Center	
Center	Person in Charge
Semionet, Le Centre d'Étude En ligne en Sémiotique, Information, Communication et Nouveaux Médias	Peter Stockinger

The list of distant learning centres is automatically updated and reflects always the latest state of existing distant learning centres. In clicking on one of the enumerated distant training centres (example : the distant training centre Semionet), the user accesses to the main menu page of the requested centre (figure 7).



The interface shown in figure 7 is the standard interface of all distant training centres of the AKV. The most important feature of it is the distinction between a « public interface » for any (non-registered or registered) user and a « reserved interface » only for registered students. The public interface, a kind of a visitor's hall, provides a variety of information concerning the activities of the centre, the courses provided, the teaching and learning methods used as well as the access to centre specific services : the catalogue of proposed courses, the centre's owned digital library and mediatheque, the centre's electronic shop, the centre's calendar of events, the centre's teachers collegium, the web sites of the registered students.

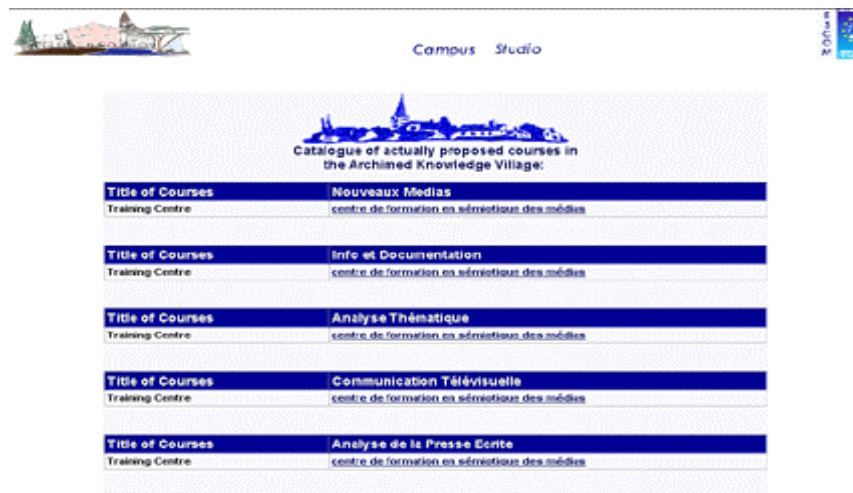
The interface reserved for registered students gives them an access to the catalogue of courses and, further, to the course(s) they are registered for (part of figure 8).



The student accesses, then, to the learning environment, properly speaking, which will be discussed, below, in part two.

6.7) A Consultation of the AKV Catalogue of Proposed Courses

By clicking on the interactive button « (catalogue of proposed) courses » of the virtual campus main menu page, the user accesses a page (figure 10) where he/she finds an automatically actualised list of all courses proposed in the AKV - of courses which are proposed within a distant training centre as well as of courses proposed alone, independantly of any distant centre.

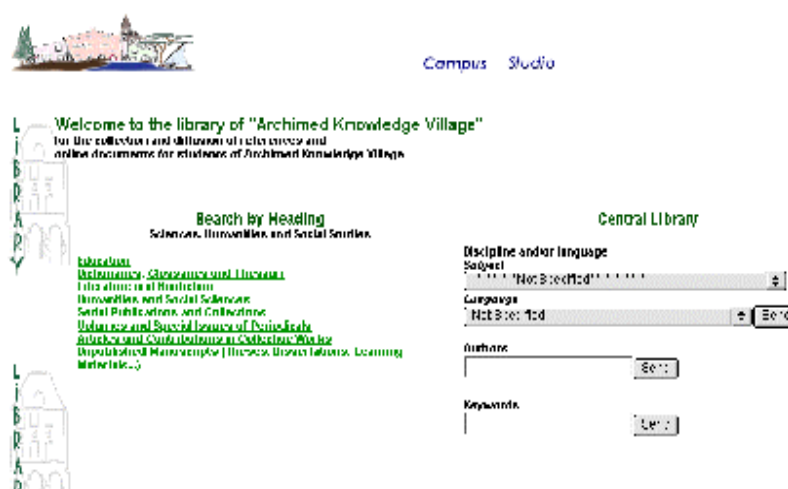


As it can be verified above, the screen page represented in figure 10 contains two textual zones, one reserved for the login, another for the password accompanied by an invitation to enter these data and to click on the corresponding course for

accessing the learning interface. This means that the interface represented in figure 10 is accessible for any (registered or not registered user) but the access to a specific course is reserved to registered users (to the students or the teachers).

6.8) A Visit of the AKV's Central Library

In clicking on the interactive button «(central digital) library » of the virtual campus main menu page, the user accesses a page (figure 11) that is the main menu of the central digital library of the AKV. The central digital library is of free access to any registered or not-registered user.



The digital library of the AKV contains all references to published or not-published documents coming from the different libraries of the AKV distant training centres as well as of other academic and public research and educational institutions having the right to diffuse and promote their documentary funds via this service.

As it can be seen in figure 11, the user has two principal options in order to search for some specific information : either to use the general catalogue or to use one of the eight thematic catalogues :

- Educational and practical documentation
- Scientific monographies
- Fiction and non-fictional literature (biographies, essays, ...)
- Linguistic resources (dictionaries, thesauri, ...)
- Serials and collections
- Articles
- Thematic and special issues of serials
- Unpublished works (working papers, theses, ...)

The query process is the same, no matter if the user chooses the general catalogue or one of the thematically more specific catalogues :

- The user has the choice to specify a query either by browsing a thematic index or by writing the name of the author or again by writing one or more key words.

- The results of a query are visualised in form of a dynamically composed catalogue containing some major signaletic information (author's name, title, language, eventually : publisher, ...).

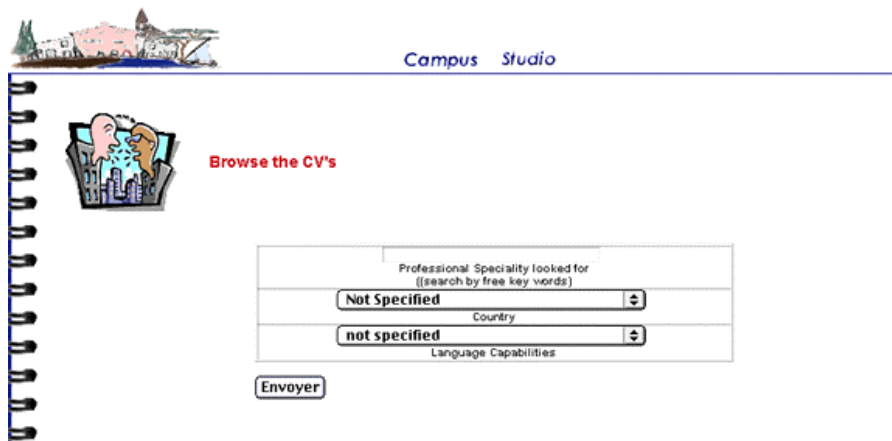
The title constitutes an interactive zone. In clicking on this zone, the user has an access to a dynamically created web site which contains more specific information as far as the selected document is concerned as well as, eventually, a digital version of (a part of) it. Figures 12, 13 and 14 show an example of such a query process.

Field/Discipline	Author	Title	Language	Field/Discipline
	André Fabre,	Le coréen sans peine	Français	Enseignement de Langues Étrangères
	DR Remy, HODUSAINOVA, Oulpan,	Méthode de SAIZO	Français	Enseignement de Langues Étrangères, Enseignement de Civilisations & Cultures
	Irena Vazulicite,	A Guide to Lithuania's Baroque Monuments	Anglais	Enseignement Artistique, Enseignement de Civilisations & Cultures, Enseignement des Métiers Touristiques
	Li Jin Weung,	Le coréen difficile	Français	Enseignement de Civilisations & Cultures, Enseignement de Langues Étrangères
	test,	test		

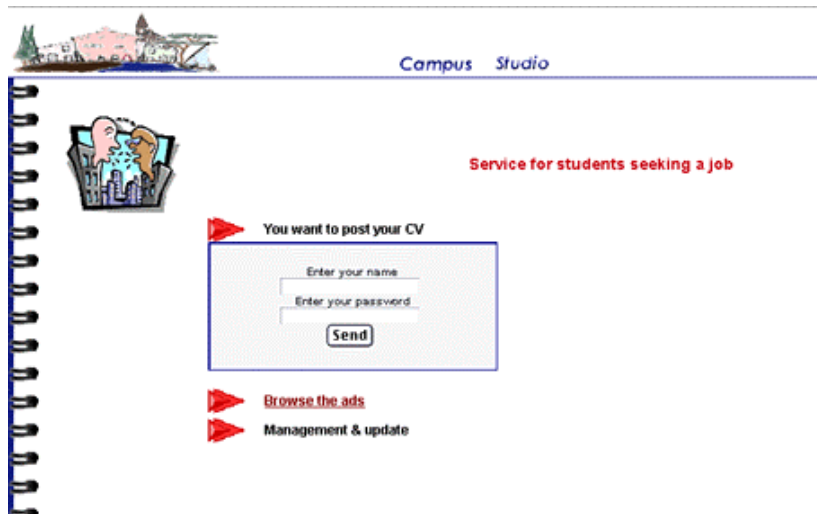
service main menu page. The user will access in this way the job board main menu (figure 15).



Registered and not registered users can access to the job search part and to the list of people searching a job (figure 16)



But only registered users (students) can use the job search part for posting a CV (figure17).



The job proposition part (figure 18) of this service is freely accessible to registered and not-registered users.

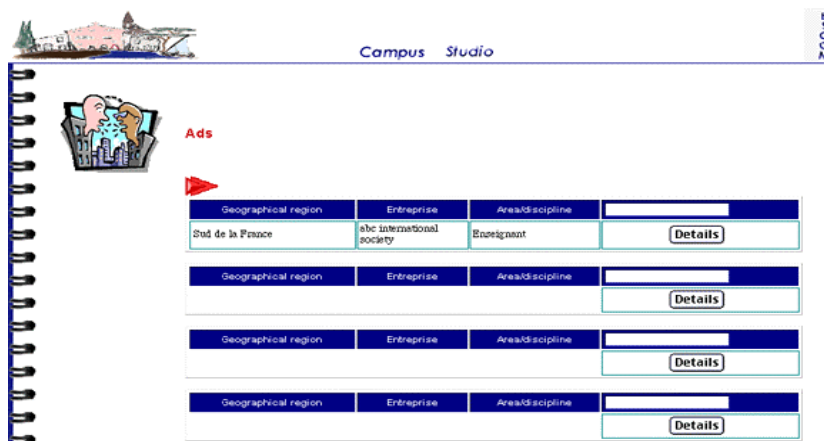


Figure 19 shows the interface for inserting job propositions and figures 20 and 21 the search form for jobs as well as the dynamically composed list of job proposals.

Find employees - Place an ad

Please complete the following fields:

Last name: _____
 First name: _____
 Title: _____
 Address: _____
 City: _____
 Code postal: _____
 Firm:
 Work phone: _____
 Home phone: _____
 Fax: _____
 E-mail: _____
 Geographic area: _____

Professional methodology:

Languages:
 Language 1:
 Language 2:

Year ad: _____

Job and Employee Search

To browse the responses complete the following fields:

Last name: _____
 First name: _____

A more sophisticated version of this job board service will include again an automatic "pattern matching" between the "job proposal component" and the "job search component" in order to establish a direct communication between a given profil of job searchers (having already posted a CV) and a corresponding set of job offers.

The students' personal home pages service: A (registered and not registered user) can access this service by simply clicking on the interactive «students' personal web sites» button on the students' service main menu page. The user will access in this way the students' web sites main menu.

This page contains a public part for free use and a reserved part for registered students of the AKV. The public part gives access to the web sites of registered

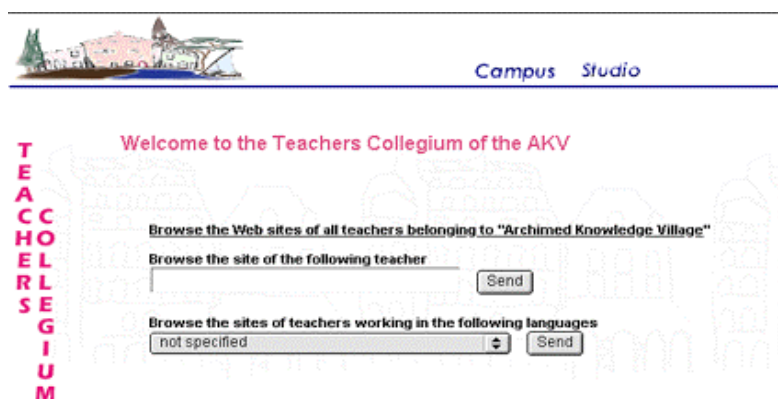
students, the reserved part gives access to the principal management page for creating, updating or deleting a student's web site .

The free access navigation is organised around a keyword, student's name and thematic research option leading to a list of students web sites corresponding to a request. By clicking on the interactive button "more information", the main menu of the dynamically generated web site of a student can be accessed. This main menu proposes a set of information which can be explored freely by any user.

The creation/updating/deleting of a web site is done via the world wide web with the help of a universal client. The technology used here is, as already stressed in chapter 3, database technology. This allows the dynamic (re)construction of web sites but also the dynamic re-use of the same information in different applications and contexts.

6.10) A Consultation of the AKV's Responsibles and Teachers' Virtual Collegium

By clicking on the interactive button «teachers' virtual collegium» of the virtual campus main menu page, the user access a page (figure 26) that constitutes the main menu of the teachers (instructors, monitors, responsables of training centres) collegium working within the AKV. The teachers' collegium is principally constituted by the personal web sites of this category of AKV professional users. Technically speaking, it is similar to the students personal web sites service.



A search of a teacher's web site is organized around a thematic browsing, a keyword search or again a search by the name of a teacher. The result of search is a list of teacher's (names, specialities and interactive button for accessing a personal web site). By clicking on the interactive button "more information", the user access to the main menu of the dynamically created web site of a teacher

As it can be seen in figure cf.infra, there are different types of information proposed on the main menu of a teacher's personal web site : short presentation (activities, professional experiences, ...); personal library (i.e. access to his/her

publications, unpublished works, other realisations, ...), personal calendar of events, email address, ... The user can freely explore all these information.

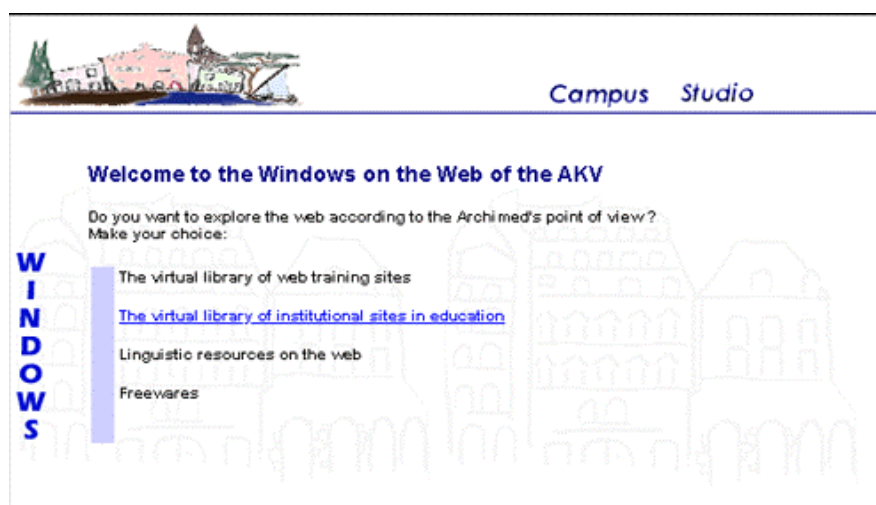
Figure following show an exploration of the personal library of a teacher. The interesting point to underline here is the following : the personal library of a teacher is a (partial) subset of the centre specific library which itself is a subset of the AKV central library. This means that there exist - user transparent - filtering programmes which control the important fact that one set of information registered in a database are appropriately distributed and diffused in different contexts.



6.11) A Consultation of the AKV's Internet Services « House »

By clicking on the interactive button « Windows on the Web » of the virtual campus main menu page, the user accesses a page (cf.infra) that proposes him/her a set of specific Internet services and ressources :

- Virtual libraries ("web rings") of web sites dedicated to WBT (web based training) and institutional web sites (universities, schools, ...);
- Virtual libraries of specific ressources (linguistic ressources such as dictionaries or translation tools)
- Freewares (such as MS Explorer, Adobe Reader, MM Shockwave, freely usable html editors, ...)



The above quoted list is an open one. For the moment, this service is still under construction.

6.12) A Consultation of the AKV's Market Place

By clicking on the interactive button «Shop» of the virtual campus main menu page, the user will access a page that introduces him/her to the AKV central market place. This central market place is constituted :

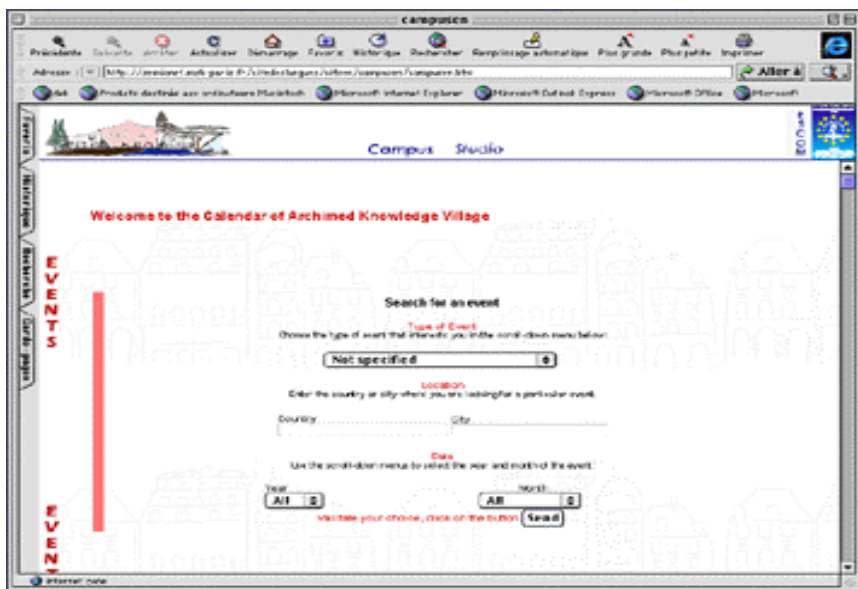
- on the one hand by a shop where a user can buy educational materials and other documents/objects produced by the teachers of the AKV and directly sold by them (that means in by-passing traditional commercial structures such as publishers). invites him/her to consult a catalogue of especially pedagogical materials proposed for sale (= the Archimed's Knowledge Village Shop);
- on the other hand by links to commercial sites proposing for sale documents and other objects potentially relevant for a student (i.e. for his/her learning but also, more generally, for his/her personal comfort): Publishers' Market, Book and Media Market, News Market, ...

In clicking on the Archimed's Village Shop, the user will access to a dynamically created catalogue of all available coursewares, other educational materials or again any kind of realisations proposed for sale directly by the teachers of the AKV. Connected to this catalogue is a shopping basket where the user can put the objects he/she wants to buy, define the quantity of a selected object, and son on. The basket calculates automatically the global sum and establishes an estimate of the purchase. Once the user has accepted the estimate, he/she fills a purchase formular and proceeds to the payment - either in furnishing his/her credit card number (via a securised connection) or in using traditional procedures of payment.

The connexions to the different specialised (AKV exterior) market places will be realized progressively during summer and autumn 2000.

6.13) A Consultation of the AKV's Calendar of Events

By clicking on the interactive button «Events» of the virtual campus main menu page, the user accesses a page (figure 31) that offers him/her the possibility to browse all registered main events within and around the AKV.



In clicking on the interactive button of a selected event, the user can further access another page with more detailed information .

A more sophisticated version of this service will diffuse automatically information about relevant events to registered users (this amelioration presupposes the already mentioned enhancement of the registration process of students).

Second Part : Distant Learning and Monitoring in the AKV

6.14) Entering the Students' Space of an AKV Distant Training Centre

As already explained, the standard interface of a web based AKV training centre is composed by a free accessible part and a private part reserved for registered students. In using his/her login and password, the registered student accesses the following protected interface .



This interface proposes the same general services as the free accessible interface library, médiathèque, events, ...). But there are two principal differences between them.

- The student has an access to the proposed courses of the centre as well as to the mail list of the teachers of the centre;
- In entering his/her login and password, specific programmes gather - transparently to the user - all relevant information concerning the student himself/herself in order to make it available when he/she enters a specific course (cf. 6.15. Working with a Selected Courseware)

In this sense, we are speaking of the "student's personal desk" or again the "student's personal space" (this generic application module has been already described in chapter 3)

6.15) Working with a Selected Courseware : The Student's Personal Desk

The student is invited to open the centre's catalogue of proposed courses which has the form of a simple list of courses (title of the course and very short description of its general purposes) .

Campus Studio

Students Corner

- Courses
- Library
- Media Library
- Teachers' Colloquium
- Students Sites
- Events
- Shop

Back to the centre

Here is the list of language courses offered by the center:

---- Info et Documentation ----	
Brief Description	Level
---- Analyse Thématique ----	
Brief Description	Level
---- Communication Télévisuelle ----	
Brief Description	Level
Initiation à l'analyse sémiotique des nouvelles télévisées et des documentaires de nature politique, économique et géographique.	pour débutants
---- Analyse de la Presse Ecrite ----	
Brief Description	Level
	cours niveau DESS (bac + 5)

Then, the student is invited to choose a specific courseware within the catalogue in clicking on the title of the course he/she is interested in figure below.

As it can be seen in this interface is composed by the following specific elements :

- The "generic" ("coversheet") of the course indicating the responsible teacher of this courses, eventually other teachers available for this course, the title of the course, the year of its - actual - release, maybe some references concerning the production team as well as the academic or professional organization to which it is referenced,;
- The table of lessons of which the course is composed (number of lesson, title of lesson and short comments concerning topics and purposes of lesson);
- An interactive button inviting the student to activate the "**courseware navigation bar**".

The courseware navigation bar is composed a set of permanently available options. The contents of these options are automatically filtered with respect to :

- The course chosen by the student
- The students identity (fixed with respect to his/her login and personal password).

This means that even if the graphical interface remains always the same - no matter which course is selected and no matter by whom of the registered users -, the available contents and information are adapted to the context of a specific course and to the personal characteristics of a student.

The different options of the courseware navigation bar are differentiated in three functional groups :

- group of options recovering *learning ressources* for the assimilation of the contents developed in a course and/or in one of its lessons,
- group of options recovering *communication (messaging) facilities*
- group of options recovering *students personal ressources*.

The first group of options is structured as follows :

- The *student's guide* (a short guide, proposed by the teacher, in which are explained general objectives of the course, the learning and exams modalities, the connection of a distant course with courses or curricula studies in traditional frameworks - at the university, for instance -, the duration of the course, the practical interests of it, etc)
- The *exercises and tests guide* (a guide that contains free exercises and tests as well as the corresponding answers with the help of which the student can check his/her assimilated knowledges)
- An *exam and evaluation protocol* (this protocol explains the foreseen exams, exams dates and exams procedures as well as of how the teacher considers the evaluation and ranking of the performances of the students)
- A *project guide* (proposing individual and/or group projects to which a student can register as well as the procedures of how to perform a project)
- A *students realization list* (a catalogue giving access to students achievements)
- A suggested readings list (a catalogue of references for a better understanding of specific topics taught in the course)
- A *list of links to web sites* (completing the topics taught in a course)
- A *complementary digital information sources list* (a list of available digital documents or applications completing the contents of a course).

It has to be mentioned here that *it is up to* the teacher of a course to exploit more or less maximally these different options (see below, chapter 6.19). Therefore the courseware navigation bar can propose more or less many learning ressources options following the prior decisions of the teacher.

The second family of options concerning communication (messaging) facilities recovers:

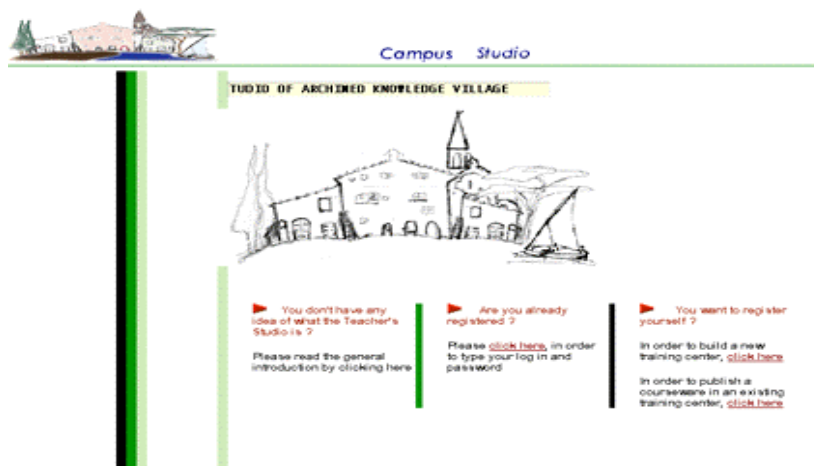
- The students personal mail box (where he/she receives and organizes the messages he/she is receiving from and sending to mainly his/her teachers or co-students)
- A mail list (of his/her teachers and co-students)
- A discussion forum (concerning topics of the course or related issues)
- (the net meeting room (with his/her teacher)

The third family of options, actually, recovers only the students personal notebook where he/she can read, register, update and delete personal comments and remarks during his/her learning sessions.

Third Part: Use and Exploitation of AKV's Virtual Studio by Registered Teachers

6.16) The Main Menu Page of the AKV Teacher's Virtual Studio

In clicking on the "studio" button on the permanently available upper bar of the AKV user interface, the user can access to the principal menu page of the teacher's virtual studio.



As it can be seen in this figure, the principal menu interface of the virtual teacher's studio is composed by :

- A link to a general information page
- A link to the registration hall for users wanting to build and manage a distant learning centre as well as for teachers wanting to publish a courseware and to monitor students learning activities via the virtual studio
- A protected access to the personal management space for responsables of a distant learning centre
- A protected access to the personal management space for teachers (authors) of a courseware.

In clicking on the "information" button", the user accesses a general information page which explains him/her quickly the principal aspects of the virtual teacher's studio, i.e. :

- The distinction between two different user groups : the responsables of a distant learning centre and the teachers of a courseware in a distant learning centre
- The possibility - reserved to users registered as "responsables of a centre" - to build and maintain on-line a distant learning centre (rather close) to the traditional form of a training centre (an "educational department" in a university)
- The possibility for both categories of registered users (i.e. responsables and teachers) to publish on-line on the one hand courses and on the other hand related learning and pedagogical communication resources

- The possibility for both categories of users to monitor ongoing students learning activities.

For entering the protected spaces (the responsible's space and the teacher's space), the user needs a login and a password. For this, he/she has to undergo a registration process - either as a responsible or as a teacher.

The principal distinction is here that the responsible has more rights than the teachers: he/she can not only 1) build and manage a training centre but also 2) publish and maintain coursewares as well as 3) monitor the students learning activities, whereas the teacher's rights are restricted to the second and third point (he/she cannot build a distant learning centre).

6.17) The Registration of Responsibles of Distant Training Centres in the AKV

In choosing the responsible's registration procedure, the user accesses the following page.



This is the registration page of a user wanting to become a responsible of a training centre. The first part explains the necessary prerequisites for obtaining the rights to build a distant training centre in the AKV (the user must have professional abilities for doing this, he/she has to explain the relationship of the distant centre with his/her academic or professional activities as well as the involvement of the organization - university, enterprise, public administration, ... - with such a centre, the resources by the means of which he/she considers not only to build but also to maintain alive his/her training centre, the necessary acceptance of the AKV Internet chart which sets property rights as well as the legally conform uses of provided services and resources).

The second part is constituted by a formular which the user has to fill up and to send to the webmaster of the AKV. This formular collects specific information concerning the user wanting to become a responsible of a training centre on the basis of which the request will be evaluated by the AKV webmaster and his team. In using this formular, the user can also chose freely his/her own password with the help of which he/she will have access to all necessary services for building a distant training centre, coursewares and for monitoring the students learning activities.



The image shows a screenshot of a web browser window displaying a registration form. The window title is "Campus Studio". The form is titled "Please answer the following questionnaire" and contains the following fields:

- Your name: _____
- Your first name: _____
- Name of the organization where you are employed: _____
- Your working address: _____
- City and postal code: _____
- Country: _____
- Your professional phone number: _____
- Your professional fax number: _____
- Your electronic mail address: _____
- URL of your working organization (if existing): _____
- Description of your working organization and its activities: _____
- Your functions and activities in the organization: _____

As already said, the request for becoming a responsible of a training centre will be sent to the webmaster who distributes this to his technical team in order to examine it positively or negatively. Within 48 hours, the acceptance (or rejection) of his/her request will be notified to the user (via email).

Once his/her request accepted, the user can immediately start building his/her training centre.

6.18) The Registration of Teachers of Coursewares

In choosing the "teacher's registration" option, the user will access to the following page.

Abonnement aux Services de Publication et Diffusion de la Cité des Langues

Important : avant de vous abonner, consultez les explications ici

<p>Services de Publication sur Internet</p> <p>Matières pour l'Enseignement à Distance</p> <p><input type="checkbox"/> Création d'un Cours en ligne</p> <p>Publication de Références à un Document (Texte, Audio-Vidéo/Texte Multimedia)</p> <p><input type="checkbox"/> Monographies en sciences humaines et sociales</p> <p><input type="checkbox"/> Ouvrages littéraires et de culture générale</p> <p><input type="checkbox"/> Ouvrages didactiques et/ou pratiques</p> <p><input type="checkbox"/> Dictionnaires, Glossaires et Thésauri</p> <p><input type="checkbox"/> Publications en série</p> <p><input type="checkbox"/> Vidéos et Numéros (Spécialité) de Revues</p> <p><input type="checkbox"/> Articles et Contributions dans des Ouvrages Collectifs</p> <p><input type="checkbox"/> Documents Audio-Vidéo et Productions Multimediales</p> <p>Publication de Références à (d'une Version Numérique) à un Document Non Publié</p> <p><input type="checkbox"/> Travaux non publiés</p> <p>Publication d'un Site d'Enseignement</p>	<p>Demande de Diffusion</p> <p>Diffusion d'un Cours à Distance dans :</p> <p>1) <input type="checkbox"/> le Centre Central des Cours de la Cité des Langues</p> <p>2) les Centres de Formation externe hébergés par la Cité des Langues</p> <p><input type="checkbox"/> centre de formation en rémoteur les médias</p> <p><input type="checkbox"/> Centre de Formation Externe à la Recherche et aux Nouvelles Médias</p> <p>Diffusion des Références de Documents Publiés et Non Publiés dans :</p> <p>1) <input type="checkbox"/> la Bibliothèque Centrale de la Cité des Langues</p> <p>2) les Bibliothèques Spécialisées externes des Centres de Formation hébergés par la Cité des Langues</p> <p>3) <input type="checkbox"/> la Bibliothèque Centrale de l'Enseignement</p> <p>4) les Bibliothèques Spécialisées hébergées par l'Enseignement</p> <p>Diffusion du Calendrier des Evénements dans :</p>
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As it can be seen in this figure, this registration process is a little bit more complex than the registration process for a responsible of a training centre.

The first part of the registration interface is dedicated to the specification of general conditions for becoming a teacher in the AKV and for using the corresponding services and ressources (to have a professional competence, to be able to show the relationships with his/her pedagogical activities in a traditional framework - university, company, ... -, to accept the AKV chart setting property rights and stipulating a deontologically correct use of the Internet, ...).

In this first information part of the teacher's registration page, is explained also the important distinction between

- The use of publishing services
- And the use of diffusion services.

This means that a teacher needs a set of specific services for publishing his courseware (the course itself with its lessons and complementary learning and messaging ressources that constitutes the courseware navigation bar) as well as of information in the general services of a training centre and the AKV virtual campus (digital library, digital mediatheque, teacher's web site, calendar of events, shop, ...). But, a published courseware can be diffused either outside any training centre and/or within one training centre. For this, a teacher needs the permission either from the webmaster of the AKV or from the responsible of a distant learning centre. Therefore, the user wanting to publish his/her courseware in a specific training centre, has to choose a training centre and, then, his/her request will be communicated automatically to the responsible of that centre (as well as to the webmaster of the AKV). It is the responsible of a training centre who will decide wether a request to become a teacher in the training centre will be accepted or rejected.

In this sense, the second part of the teacher's registration page is constituted by a formular divided in :

- a request part for using publishing (and students monitoring) services and
- a request part for diffusing a courseware in a specific training centre.

The user has to fill out these two parts as well as to supply several personal information on the basis of which the responsible of the centre (and, eventually, the AKV webmaster) can positively or negatively evaluate the request. The user will be informed within 48 hours of the deliberation and, in the case his/her request has been accepted, can start immediately to build his/her courseware.

6.19) Accessing the AKV's Virtual Studio for Responsibles of Distant Training Center

A user registered as a responsible can enter the responsible's personal studio space in typing his/her login and personal password in the responsible's box of the main menu page of the AKV virtual studio.

Campus Studio

Are you already registered ?
Please, choose one of these 2 forms below and type your login and password:

Use this form if you are a Responsible of a Training Center

Enter your login:
Enter your password:
Go

Use this form if you are the teacher of a courseware

Enter your login:
Enter your password:
Go



This page is divided in the following principal parts:

- An access to a general information/help page
- A "Your Centre" part divided in a "create (a training centre)" access and in an "update (a training centre)" access
- A "Your Courseware" button for accessing the corresponding publishing services
- A "Your Staff" part divided in an access button to the web sites of the teachers working within the training centre and an access button to the email box for reading, sending and classifying messages between the teachers of the centre
- A "Students of Your Centre" part divided in an access button to the registered students of the centre and an access button to the email box for reading, sending, receiving and classifying messages with students

In clicking on the "information" button, the responsible accesses to a general information/help page explaining him/her briefly of how to organize his/her work and how to use optimally the available services for creating and managing a distant learning centre.

6.19.1) The Building of a Distant Training Centre with the help of the Virtual Studio

In clicking on the "create (a learning centre)" button within the "Your Centre" part of the principal menu of the responsible personal studio space, the responsible accesses the menu that contains the principal publishing services actually available for the building of a distant training centre :

- The publication service of general information concerning the distant learning centre
- The publication service in the digital library of the centre

- The publication service in the digital mediatheque of the centre
- The publication service in the calendar of events of the centre
- The publication service in the virtual library of links to relevant web sites
- The publication service in the virtual collegium of teachers of the centre
- The publication service in the electronic shop of the centre

In accessing the publication service of general information concerning the distant learning centre, the responsible is provided with some general information of how to use this service and then invited to use a formular which helps him to provide all required information.



These information are registered on the database server of the AKV and made immediately available to the students or any other users navigating through the virtual AKV campus.

The publication service in the digital library of the centre is a very complete one, impossible to show here in its whole length. Here are shown only some features of it. In clicking on this button, the responsible accesses to a page where he/she choses among different available databases (monographies, serials and collections, unpublished works, ...)

Once the responsible having chosen the appropriate database he/she will access to a short information page explaining him/her the functioning of this service. In clicking on the "insert" button at the end of this page, he/she acesses on the insertion formular which is a highly detailed one following the recommandations of international catalogizing standards for libraries but also taking into account the specific potentialities of digital libraries (providing digitalised contents, providing interactive summaries, ...).

Besides some information which are obligatory to supply, the responsible is free to use this formular in a more or less extensive way. Naturally, in supplying

more information, the automatically created web sites for each document referenced in the databases of the digital library will become more informative, and probably also more interesting for a user searching within the digital library. In any case, the automatic production of the web site of a referenced document will adapt itself automatically to the supplied information. Once the responsible has introduced the information concerning a referenced document, he/she presses the "register" button and will be prompted to a confirmation page.

This page shows him/her if all provided information of a referenced document have been correctly registered. At the end of this confirmation page, the responsible is invited to send the file or the files containing digital versions either of a (part of the) content of the referenced document or the cover page or again of some illustrations. This step is not an obligatory one. The responsible can send file(s) containing some digitalized contents but he/she can also drop it. If he/she chooses to send one or more files, he/she uses an *asp* programme that loads the chosen file(s) on the web server of the AKV. This insertion process is the same for all available databases constituting actually the digital library of the AKV and/or of a given distant training centre.

The publication service in the digital mediatheque of the centre is the same as for the digital library. The difference here is that the mediatheque is constituted by only one database.

The publication service in the calendar of events of the centre follows the same insertion procedure as for the insertion of references in the digital library of a centre (and the AKV).

The publication service in the virtual library of links to relevant web sites is also based on the same procedures as already explained.

The use of the publication service for building a personal web site in the virtual collegium of the teachers of the centre (published also in the virtual collegium of all teachers of the AKV accessible via the main menu of the virtual campus of the AKV). As it can be seen in the web pages, the insertion procedure of required information is almost the same as for the other publication services.

Finally, the publication service in the electronic shop of the centre uses pieces of the "unpublished works" and "mediatheque" databases. The responsible inserts here the title of a document (realization, application), a very short description, maybe a table of content and especially the price (in euro) of his/her document (realization, application). These information will be published on the one hand in the digital library and the mediatheque and on the other hand in the "products" catalogue of the shop. Connected to this products catalogue is an *asp* programme called the "shop basket" calculating automatically the total sum of the selected goods. As already explained in chapter 3, there are two ways of payment : a traditional one (via fax, telephone or email) or an electronic one.

6.19.2) The Management of a Distant Training Centre with the help of the Virtual Studio

The personalised and distant management of an online training centre is covered by the two entries "Your Staff" and "Students of your Centre" .

The "Your Staff" part is actually composed by :

- An access to a list of names and emails of the pedagogical staff of the centre,
- An access to the personal web sites of the teachers of the centre,
- An access to a personalised email service organizing the communication between the teachers of the centre.

The personalised email service is the principal means of the responsible and the teachers of a centre to communicate and to devise jointly about activities concerning the centre and the teaching of courses.

The "Students of Your Centre" part is composed by :

- An access to a students names and emails list,
- An access to the personal web sites of the students of the centre
- An access to a responsible's announcements service

The first two accesses are similar to these in the "Your Staff" part (the requested data in the AKV databases concerns only the students of a centre and not the teachers). The third access is actually under construction.

The different publication services used for building an online training centre are divided in :

- An "create" access
- And an "update" (and delete) access.

This means that the responsible of a training centre can permanently update (modify) general information data concerning his/her training centre data in the digital library and media library , data in the calendar of events, and son on.



This means that an online training centre is a dynamic virtual institution which evolves following the intentions of the responsible (and the teachers involved, cf. chapter 6.21). In this sense, an online training centre, as it is conceived in the AKV, on the one hand is based on the metaphor of a traditional learning organisation, but, on the other hand, passes over the limits and constraints of a traditional learning organization which, as far as academic institutions are concerned, repeatedly exhibit their inherent difficulties to adapt to changing professional and learners needs.

6.20) Accessing the AKV's Virtual Studio for Registered Teachers

The teacher's personal working space can be accessed via the principal menu page of the virtual teacher's studio in typing the login and the personal pass word in the "teacher's desk" box. The user, registered as a teacher, will then access the main menu page of the teacher's personal working space.

The menu of this page is divided in :

- A part composed by accesses to the different publishing services a teacher needs for building and maintaining his/her courseware
- A part composed by the accesses to the different services actually available in the AKV for monitoring the learning activities of students.

It has to be mentioned that this page is also accessible for the responsible(s) of an online learning centre but, naturally, restricted to his/her own courseware(s) and the students following his/her courses. The only difference concerns the access to the "general information services" which doesn't appear in this menu if one accesses it via the "responsible's" dialogue box in the teacher's virtual studio main menu. As already discussed, the management of these services is integrated in the building and maintenance services of an online training centre.

6.20.1) The Production and Publication of a Courseware

In looking on the different publishing services of a courseware, one can see that there are three principal options :

- The production of a course strictly speaking with its lessons
- The production of learning and training resources that accompany a course
- The publishing of information in the general information services of a centre and/or the virtual campus of the AKV.

In an short information page, the teacher is explained of how to use all these services and invited to start imperatively with the publishing of a course properly speaking. In clicking on the course publishing button, the teacher is prompted to a new page.

a) The production of a course strictly speaking with its lessons

He/she is invited to read carefully the information page explaining him/her of how to prepare the course material in order to be able to use the course publishing service of the AKV and to follow, step by step, the defined publishing procedures.

Once the teacher has prepared his/her course material, he/she can start to publish progressively his material. This procedure is rather simple for a user but highly complex in computational terms and too long to describe in all details. The description given here summarizes the principal aspects of this procedure. The publishing procedure recovers, typically, five steps:

- The publishing of a course in the course catalogue of an online training centre (as well as in the general course catalogue of the AKV virtual campus)
- The publishing of the credits ("cover page") of the course
- The publishing of the table of lessons (of the succession of lessons) of the course,
- The publishing of the "first page" of a lesson,
- The publishing of the contents of a lesson.

At a first glance this procedure seems to be highly restrictive for teachers wanting to publish a course online but, in fact, they allow a high flexibility in the online publishing of a course. There are, indeed, different typical cases that have to be respected :

- A teacher has produced his/her course either in one single document or again in a form that doesn't fit with the above mentioned distinctions in lessons.
- A teacher has produced his/her course in a set of lessons but his/her lessons exhibit an internal organization which doesn't fit with the distinction in different parts (components) proposed in the authoring model proposed above.
- A teacher has produced his/her course in a way which fits the above proposed authoring models (or templates).

In the first case, the teacher only has to use template 1 and 2 of the publishing procedure. He/she will send his/her (zipped) file or folder of files containing the course via an asp programme to the AKV web server. The user (student) will access to these files directly in clicking on an interactive button in the credits page. Naturally, the teacher (author) proceeding in this way will be informed that the use of too voluminous files may cause serious loading problems for users using low performant Internet connexions (such as telephon modems, etc).

A teacher having produced his/her course around a set of lessons but who doesn't want to break down a lesson in several contents parts (second quoted case), will use the templates 1, 2 and 3 but not templates 4 and 5.

Finally, in the third case, the teacher (author) will use all five templates of the publishing service of courses. In using them systematically, he/she can break down each lesson in as many contents components as he/she wants, organize them from a thematic and/or pedagogical point of view, hierarchize them following a priority list, create hypertext and hypermedia links between the different parts of a lesson or between different lessons, and so on. It is clear that the actually proposed publishing service for courses is perfectible but already in its actual form, it allows a significant web authoring and pedagogical suppleness.

As it can be seen in the main page giving access to the publishing templates of a course, there exists a basic division between :

- The building of a course with its lessons
- And the updating (deleting) of a course or parts of it.

This means that, like in all other information publishing services, also here the teacher or author has the possibility to permanently update (modify) aspects of his/her course or to delete parts of it and, finally, to delete a whole course.

b) The production of learning and training resources that accompany a course

This publishing services recover :

- The publishing and updating of a student guide (explaining shortly a student objectives, learning modalities, ... of a course)
- The publishing and updating of a (free) tests and exercises guide (containing free tests, exercises and the given solutions by the means of which a student can check freely his/her knowledge acquisition and assimilation)
- The publishing and updating of an exams and students evaluation protocol (specifying of how the teacher intends to verify the knowledges acquired and to evaluate the knowledge acquisition by a student as well as publishing the exams themselves)
- The publishing and updating of an individual and collective projects guide (describing, if available, the different individual and collective projects that accompany the course, of how a student can register a project and the modalities of achieving and evaluating a project)
- The publishing of a "suggested readings" list specific for the course
- The publishing of a set of links to web sites completing the problems handled in the course

-
- The publishing of students achievements (a list of documents and other types of realizations provided by students)
 - The publishing of digitalized documents provided by the teacher and completing the contents of a course.

As already mentioned, these resources are accessible for the student via the **pedagogical navigation bar**. The procedures for publishing and updating educational material is the same as for the publishing/updating of courses.

c) The publishing of information in the general information services of a centre and/or the virtual campus of the AKV.

This category recovers the publishing and updating services of information to be registered in the digital library, digital media library, calendar of events, virtual library of links to web sites, teacher's personal web site and electronic shop. They have already been illustrated in chapter 6.20.1).

6.20.2) The Monitoring of Students Activities

The monitoring services, accessible via the teacher's personal working space main menu, recover :

- i) A list of registered students following a course with their emails
- ii) The access to the web sites of these students
- iii) A personalised email service for communicating with one student or a group of students
- iv) A personalised net meeting box
- v) A teacher's note book

These services are still under construction and will only be finished after the end of the Archimed project by some partners of the consortium.