

VITALAS



Preliminary Training Plan D9.1

Project Number: FP6 - 045389
Deliverable id: D 9.1
Deliverable name: Preliminary Training Plan
Date: 18/12/2007



COVER AND CONTROL PAGE OF DOCUMENT	
Project Acronym:	VITALAS
Project Full Name:	Video & image Indexing and Retrieval in the Large Scale
Document id:	D 9.1
Document name:	Preliminary Training Plan
Document type (PU, INT, RE)	PU
Version:	V1.9
Date:	18/12/2007
Authors: Organisation: Email Address:	T. Wuytack, BELGA, wut@belga.be F. Nasr, BELGA, naf@belga.be P. Altendorf, IRT K. Marache, ERCIM M.L. Viaud, INA I. E. Errazkin, Robotiker

Document type PU = public, INT = internal, RE = restricted

ABSTRACT:

This preliminary training plan aims at preparing the organisation of efficient training seminars and the production of training material which will contribute to promote the use of the VITALAS system and attract relevant user communities.

KEYWORD LIST: Training, seminar, workshop, training plan, training material, user guide

MODIFICATION CONTROL			
Version	Date	Status	Author
1.0	06/09/2007	Draft	Tom Wuytack, Fairouz Nasr
1.1	23/11/2007	Draft	Tom Wuytack, Fairouz Nasr
1.2	26/11/2007	Draft	Tom Wuytack, Fairouz Nasr
1.3	29/11/2007	Draft	Tom Wuytack, Fairouz Nasr
1.4	12/12/2007	Draft	Peter Altendorf
1.5	12/12/2007	Draft	Tom Wuytack, Fairouz Nasr
1.6	12/12/2007	Draft	Peter Altendorf
1.7	17/12/2007	Draft	Tom Wuytack, Fairouz Nasr
1.8	18/12/2007	Draft	Karen Marache
1.9	18/12/2007	Final	Tom Wuytack, Fairouz Nasr

List of Contributors

- BELGA
- IRT
- INA
- ERCIM
- Robotiker
- CWI
- UoS

Table of content

INTRODUCTION	5
PARTICIPANTS	6
TASKS	11
1. ORGANIZING TRAININGS	11
1.1. AWARENESS WORKSHOP	11
1.1.1. Choosing participants:	11
1.1.2. Choosing the date and location:	11
1.1.3. Defining content and programme of the day:	11
1.1.4. Defining practical aspects: material, etc.	11
1.1.5. Collecting feedback	11
1.2. INTERNAL TRAINING WORKSHOP	12
1.2.1. Choosing participants:	12
1.2.2. Choosing dates and location:	12
1.2.3. Content of training and programme of the day:	12
1.2.4. Practical info: material,	13
1.2.5. Installing VITALAS components	13
1.2.6. Collecting feedback	13
1.3. VOCATIONAL TRAININGS	14
1.4. SUMMER SCHOOL:	15
2. PREPARING TRAINING MATERIAL:	16
2.1. AWARENESS WORKSHOP	16
2.1.1. Folder presenting VITALAS	16
2.1.2. Powerpoint	16
2.1.3. User feedback questionnaire	16
2.2. INTERNAL TRAININGS	17
2.2.1. User manual	17
2.2.2. Powerpoint	17
2.2.3. Training portal	17
2.2.4. User feedback questionnaire	17
2.3. VOCATIONAL TRAININGS	18
2.4. SUMMER SCHOOL	18
WP DEPENDENCIES	19
CONCLUSION	20
SUMMARY OF TRAINING DATES AND LOCATIONS	20
ANNEX 1: OVERVIEW SCENARIOS AND TECHNOLOGICAL TASKS	21
ANNEX 2: LIST OF EXISTING SUMMER SCHOOL INITIATIVES	23

INTRODUCTION

The aim of this preliminary training plan is mainly:

- to prepare the planning of the training activities by defining necessary tasks (identifying participants, defining content, determining the agenda, practical aspects, etc.)
In a first phase, the focus of the training plan will be on the first awareness workshop and internal trainings. Information about vocational trainings and the summer school will be presented in more details in a second phase.
- to prepare the content and production of training materials (user guides, powerpoints, training portal).

The expected outcome of the training strategy is to:

- facilitate the use and adoption of the final system, attract relevant user communities and thus promote the VITALAS system towards adoption and exploitation.
- improve the system functionalities through the assessment of user satisfaction on the interface, flexibility and efficiency of the system.

PARTICIPANTS**T1-T36**

Participants	ERCIM	EADS	CWI	FhG	INRIA	ROBOTIKER	INA	UoS	CERTH-ITI	CODEWORKS	BELGA	IRT
Person-months participant:	1	3	1	1	6	3	8	1	1	2	9	4

T1-T18

Participant id	ERCIM	EADS	CWI	FhG	INRIA	ROBOTIKER	INA	UoS	CERTH-ITI	CODEWORKS	BELGA	IRT
Person-months participant:	0	0	0	0	2	1	2	0	0	0	2	2

T13-30

Participant id	ERCIM	EADS	CWI	FhG	INRIA	ROBOTIKER	INA	UoS	CERTH-ITI	CODEWORKS	BELGA	IRT
Person-months participant:	0.5	2	0.5	0.5	4	2	5.75	0.5	0.5	1	6.5	2.75

SUMMARY OF TASKS

This training plan defines the major tasks and who is assigned to a particular task.

BELGA will lead WP9 with the collaboration of mainly INA and IRT.

But the contribution of all technological actors will be necessary to define the precise content of the trainings and training material.

The collaboration of ERCIM (WP8) and CODEWORKS (WP10) will be essential for the identification and attraction of potential VITALAS users that could be invited to external trainings, as well as for the promotion of the VITALAS tool.

TASKS	CONTRIBUTORS	Period
TASK 1: ORGANIZING TRAININGS		
1.1: AWARENESS WORKSHOP	BELGA, IRT, INA	T11 to 14
1.1.1: Choosing <u>participants</u>	IRT, INA, BELGA selecting internal participants (and external participants, such as AFP)	T11 to T12
1.1.2: Choosing the date and location	IRT, INA, BELGA	T11 to T13
1.1.3: Defining <u>content</u> and programme of the day	Content collected and centralized by BELGA, INA and IRT and Technical info provided by technical partners: INRIA, EADS, UoS, CWI, Robotiker, FhG	T12 to T14
1.1.4: Defining <u>practical aspects</u>: material, etc.	Each organizer	T12 to T14
1.1.5: Collecting feedback	Each organizer	T14
1.2: INTERNAL TRAININGS	BELGA, IRT, INA	T14 to T24
1.2.1: Choosing <u>participants</u>	Determined individually by organizers of trainings: BELGA, INA, IRT	T14 to T18
1.2.2: Choosing the dates and location	BELGA, IRT, INA	T14 to T18

1.2.3: Defining <u>content</u> and programme of the day	Content collected and centralized by BELGA, INA, IRT Technical info provided by INRIA, EADS, UoS, CWI, Robotiker, FhG	T14 to T24
1.2.4: Defining <u>practical aspects</u>: material, etc.	To be determined individually by each organiser	T14 to T24
1.2.5: Installing VITALAS	1 technical partner to be determined.	T14 to T24
1.2.6: collecting feedback	BELGA, IRT, INA	T14 to T24
1.3: VOCATIONAL TRAININGS	All VITALAS partners	T22 to T28
1.3.1: Choosing and inviting <u>participants</u>	Identification of relevant user communities / industrial stakeholders in collaboration with CODEWORKS, ERCIM	T22 to T26
1.3.2: Defining <u>content</u> and programme of the day	Technical partners and BELGA, INA, IRT	T22 to T26
1.3.3: Choosing the dates and location	In cooperation with ERCIM	T22 to T24
1.3.4: Defining <u>practical aspects</u>: material, ...	IRT, BELGA, INA	T22 to T26
1.3.5: Installing VITALAS	1 technical partner to be determined	T26
1.3.6: Collecting feedback	IRT, BELGA, INA	T26 to T28
1.3.7: promotion	Mainly ERCIM, CODEWORKS	T24 to T28
1.4 SUMMER SCHOOL	To be determined later	T25 to T32
1.4.1: Choosing <u>participants</u>	To be determined later	T25 to T31
1.4.2: Defining <u>content</u> and programme of the day	To be determined later	T25 to T32
1.4.3: Choosing the dates and location	To be determined later	T25 to T27
1.4.4: Defining <u>practical aspects</u>: material, ...	To be determined later	T25 to T32
1.4.5: Installing VITALAS	To be determined later	T30 to T32

1.4.6: Collecting feedback	To be determined later	T30 to T32
1.4.7: promotion	To be determined later	T30 to T32

TASK 2: PREPARING TRAINING MATERIAL		
2.1: AWARENESS WORKSHOP MATERIAL	BELGA, INA, IRT	T13 to 14
2.1.1 Folder: presentation of VITALAS Collecting information provided by VITALAS partners and writing and printing	BELGA, INA, IRT	T13 to 14
2.1.2 Workshop presentation powerpoint	BELGA, INA, IRT	T13 to 14
2.1.4: User feedback questionnaire	BELGA, INA, IRT	T14
2.2: INTERNAL TRAININGS MATERIAL	BELGA, INA, IRT, ERCIM	T14 to T18
2.2.1 User manual Collecting information provided by VITALAS partners and writing and printing	BELGA and collaboration of partners	T14 to T18
2.3.2 Training powerpoints Creating and printing	BELGA	T14 to T18
2.3.3 Training portal Creating website Creating demonstrations	ERCIM BELGA and collaboration of partners	T14 to T18
2.3.4: User feedback questionnaire	BELGA	T14 to T18
2.3: VOCATIONAL TRAININGS MATERIAL Adaptation of internal trainings material	BELGA and Technical partners	T22 to T26
2.4: SUMMER SCHOOL MATERIAL Adaptation of internal trainings material	BELGA and Technical partners	T25 to T32

TASKS

1. ORGANIZING TRAININGS

1.1. AWARENESS WORKSHOP

Objectives: to get users at IRT, Belga, INA and their 'close user community' to discover the VITALAS functionalities/objectives. This will allow them to give a first feedback and define future success criteria for VITALAS. The 'close user community' is represented by shareholders/representatives of the content partners. In Belga's case this would mean representatives of the Belgian media, while in IRT's case it would involve the German Broadcasters who are associated with IRT. The participation of AFP (Agence France Presse) members is also expected, to collect their external expertise feedback.

1.1.1. Choosing participants:

Making a list of participants: BELGA, IRT, INA, AFP

BELGA: e.g. - Picture editors and Manager - Picture sales/Multimedia staff - ICT	INA: - archivists	IRT: - R&D-staff involved in the project	AFP: - Press employees - Technicians
BELGA shareholders: - picture editors/sales managers	INA shareholders: (not applicable)	IRT associates: - Editors and journalists - Archivists and annotators - Technical managers	

1.1.2. Choosing the date and location:

It will be at the premises of one of the content partners: IRT, week 18-22 February

1.1.3. Defining content and programme of the day:

Content:

Introduction, objectives of VITALAS

Explanation about VITALAS functionalities: User interface and visualization, Cross-media Indexing, Cross-media Consultation, Personalization, access rights management & profiling ...

Programme of the day: To determine

1.1.4. Defining practical aspects: material, etc.

1.1.5. Collecting feedback

1.2. INTERNAL TRAINING WORKSHOP

Objectives:

- to get potential internal users to discover the VITALAS system, its functionalities and to guide them in interacting with the system
- test user interface and visualisation (WP7)
- allowing the project Partners to interact and play with the system
- to gather the first hands-on impression of this first batch of users before vocational training.

Expected outcome:

It will allow users to provide feedback on the interface, flexibility and efficiency of the system → assessment of its performance. Feedback will be given to improve the VITALAS tool and training material and will also be used as input for the definition of success criteria (ST1.3.1).

Organisers:

BELGA, INA, IRT

1.2.1. Choosing participants:

BELGA, INA and IRT will invite internal content providers and external technological actors. External participants will be invited to participate in order to exchange experience and knowledge on joint technology issues. For instance 1 or 2 persons from INRIA, UoS, CWI and Robotiker, as well as AFP members

1.2.2. Choosing dates and location:

T14 – T24

BELGA, INA, IRT

1.2.3. Content of training and programme of the day:

Collected by BELGA and INA, IRT

Content: to complete:

- **Introduction:**
Why VITALAS?
Brief explanation about how VITALAS addresses major challenges and advantages of the new indexing and retrieval methods and a short explanation about technologies used
- **Using VITALAS:**
 - **User Interface and visualization:** presentation → information to be provided by INRIA
 - **Detailed explanation of all functionalities: guiding users in interacting with the system by presenting scenarios and use cases**

According to target users' activities, separate picture, video, audio, cross-media chapters added or removed.

See Annex 2 p.17 about functionalities to detail

- **Remarks, issues:**
e.g. technological issues, functionalities to be improved or developed in the future, etc.
- **Conclusion**

Programme of the day: example

09.00: Introduction: Why VITALAS?
09.30: User Interface and visualization: brief presentation
10.00: Personalization, access rights management & profiling: security rights management, user profile
10.30: indexing and consultation functionalities: scenarios 1 and 2
12.30: Lunch break
13.30: indexing and consultation functionalities: scenarios 3 and 4
15.30: Other use cases
16.30: Conclusion
17.00: Discussion – question time

1.2.4. Practical info: material, ...

Determined individually by BELGA, INA, IRT: material, etc

1.2.5. Installing VITALAS components

One technical partner to be chosen

1.2.6. Collecting feedback

BELGA, INA, IRT

1.3. VOCATIONAL TRAININGS

2nd phase. Vocational training will not be a priority during the first 18 months of the project. Only when the project will deliver a reliable and efficient prototype will the activity be launched intensively. The first Training seminars will be organised in the second half of the project.

Objectives: To reach relevant stakeholders with a strong demand for the VITALAS functionalities. Scientific trainings will present the VITALAS technology to PhD students, researcher and industry representatives in order to demonstrate its full potential and bring research and user communities to play and interact with the system.

Organisers: to be determined with regard to chosen location

Participants:

The identification of relevant user communities will be done in cooperation with WP8 and WP10.

Date and location:

Date, time and location to be defined in cooperation with WP8 (Dissemination), since effort will be made to collocate these events with related conferences or events to reach out to the broadest audience.

Content of training and programme of the day:

Thematic technology seminars. Selection of technological topics by technical partners (: EADS, INRIA, Robotiker, ...) according to invited persons interest.

Presentation of the technical and scientific achievements of VITALAS.

Once feedback received from 1st internal training and VITALAS system is finalized and approved, the content will be determined more precisely.

Practical info: material, ...

Installation of VITALAS

Collecting feedback

1.4. SUMMER SCHOOL:

Objectives: summer school to bring VITALAS technology to potential users. It will ensure efficient knowledge dissemination across scientific communities.

In annex 2 a list can be found of recent summer school initiatives. These will be analysed briefly so that the 'best practise' can be adapted within the VITALAS initiative and a collision with competing events (if any) could be avoided or a co-location of the events can be organised respectively.

Organisers: to be determined with regard to chosen location

Participants: to be determined later

Date and location:

The time and location of these events will be defined in cooperation with WP8 (Dissemination), since effort will be made to collocate these events with other summer schools to reach out to the broadest audience.

Content of training and programme of the day: to be defined later

Practical info (: material, etc): to be defined later

Installation of VITALAS

Collecting feedback

2. PREPARING TRAINING MATERIAL:

The training material will be prepared in 2 phases. Following the internal workshops, the training material will be improved, completed and adapted to the target users and type of seminar and reprinted. It will then be available for external seminars.

The content defined below will have to be completed with information obtained from the technological actors.

2.1. AWARENESS WORKSHOP

2.1.1. Folder presenting VITALAS

- Defining content: BELGA and INA, IRT
- Collecting information, writing, printing: BELGA and INA and IRT

2.1.2. Powerpoint

Workshop presentation powerpoint: BELGA, INA, IRT

2.1.3. User feedback questionnaire

Creating user questionnaire to collect feedback after trainings: BELGA

Printed version and available on-line to ease collecting user feedback
Technology issues encountered, analysis of specific needs, remarks on use of VITALAS, etc
→ conclusions collected for improving the VITALAS tool and training material and define success criteria in WP1

2.2. INTERNAL TRAININGS

2.2.1. User manual

Collecting information, writing, printing: BELGA (and IRT, INA) with collaboration of all partners

Defining content: BELGA and IRT, INA with collaboration of all partners

- a) **Introduction:** Why VITALAS? and advantages of the new indexing and retrieval methods
- b) **Detailed explanation of all functionalities: guiding users in interacting with the system by presenting scenarios and use cases**

According to participants, separate chapters added:

Belga: pictures only

INA: Pictures, Audio, Video

IRT: audio, video

- c) **Remarks, issues:**
e.g. technological issues, functionalities to be improved or developed in the future, etc.

2.2.2. Powerpoint

Creating and printing of .ppt used during trainings: BELGA and partners

2.2.3. Training portal

A training section on the VITALAS website will be set up: ERCIM

Creating demonstrations: BELGA and partners

It will contain:

- All training materials provided by Belga (and other WP9 partners)
- Online demonstrations:

2.2.4. User feedback questionnaire

Creating user questionnaire to collect feedback after trainings: By BELGA

Printed version and available on-line to ease collecting user feedback

Technology issues encountered, analysis of specific needs, remarks on use of VITALAS, etc

→ conclusions collected for improving the VITALAS tool and training material

2.3. VOCATIONAL TRAININGS

Adaptation of internal trainings material
2nd phase

2.4. SUMMER SCHOOL

Adaptation of external trainings material

WP DEPENDENCIES

Cooperation with WP8 (Dissemination) and WP10 (Exploitation) will be necessary to optimise the training effort, with a view to attract relevant user communities and promote the VITALAS final system towards adoption and exploitation.

Cooperation with WP1 (Use cases) and WP7 (User interface and visualisation) will contribute to define the content of the user guides and manuals.

Start of practical trainings depend on the progress of WP6 (System design) and installation of the VITALAS system at end user premises.

Training seminars and training material content can only be finalized with complete information over VITALAS functionalities and user interface: WPs 2, 3, 4, 5, 6, 7

CONCLUSION

This document presents a general framework of major tasks for organizing trainings and preparing training material. Objective is to use it as a guideline during organisation of the training tasks.

Training content, material and tasks will be adapted by each organizer according to the target user group (participants) of the training they are in charge of.

The table below shows a summary of the major training activities:

SUMMARY OF TRAINING DATES AND LOCATIONS

	Organizers	Dates and location
Awareness workshop	BELGA, INA, IRT	At the premises of one of the content partners: IRT, week 18-22 February (T14)
Internal trainings:		
BELGA:	BELGA	Belga, date to be defined
INA:	INA	INA, date to be defined
IRT:	IRT	IRT, date to be defined (T14-24)
Vocational trainings	To be determined	Currently unknown (T22 to T28)
Summer school	To be determined	Currently unknown (T25 to T32)

ANNEX 1: overview scenarios and technological tasks

Technical functionalities to be detailed during internal and external trainings

Scenario 1: users profiles and preferences:	Technological tasks	WPs
Use case 1.1: user profiles	- personalization	WP5: Robotiker
	- security	WP5: Robotiker
Use case 1.2: Context adaptation	- detection of whether picture relevant to client's profile according to users actions	WP4: CWI
Scenario 2: Annotation and Search in large still image databases	Technological tasks	WPs
Use case 2.1: automatic labelling of visual concepts	- Automatic visual indexing	WP2: INRIA
	- Learning of visual concepts (matching learning methods with additional knowledge)	WP2:INRIA /WP3: UoS/WP4: CWI
Use case 2.2: global navigation in a set of results	- Automatic visual indexing	WP2: INRIA
	- proximity measure: Fusion of visual and textual descriptors	WP3: UoS / WP4: CWI
	- Search in large database	WP2: INRIA
	- classification or non supervised clustering	WP2/ WP7: INRIA
	- Interactive visualisation map	WP7: INRIA
Use case 2.3: Interactive browsing based on cross modal proximity and interactive relevance feedback	- Automatic visual indexing	WP2: INRIA
	- proximity measure: Fusion of visual and textual descriptors	WP3: UoS/WP4
	- Interactive map	WP2: INRIA
	- relevance feedback	WP7: INRIA, WP4: CWI
Use case 2.4: Search by concepts (Annotation Help)	- Extended query formulation	WP3: UoS/WP4: CWI
	- Concept learning from textual data (learning methods with additional knowledge)	WP3: UoS
Use case 2.5: Face identification	- Face identification on a small set of faces	WP2: INRIA

Scenario 3: Content Search in temporal media	Technological actions	WP
Use case 3.2 : Video Search by cross modal example: Picture, visual object Audio extract Video extract Temporal object	- Automatic Video indexing Visual indexing (local and global): Audio indexing Text indexing - Cross modal similarity measures - Search in large database - Interactive visualisation map	WP2: INRIA WP2: INRIA WP2:INRIA/WP4: CWI WP7: INRIA
Use case 3.3: audio and visual classification Use case 3.4: Search by semantic concept in video content	-audio and visual indexing - Audio and visual classification - Speaker recognition - Speech to text - Face Identification - Search by concept (concept learning with additional knowledge) - interactive visualisation map	WP2: INRIA WP2: INRIA WP2: INRIA WP2: INRIA WP2: INRIA WP3: UoS/WP4: CWI WP7: INRIA
Scenario 4: TV news annotation and analysis	Technological actions :	WP
Use case 4.1: Interactive content overview for structured video programmes	- Automatic indexing (visual and audio) - Automatic or assisted identification of the main line of the programme (backbone) - Interactive cartographic visualization (spatial layout with constraints)	WP2: INRIA WP2/WP7: INRIA WP7: INRIA
Use case 4.2: Near copy search video for textual annotation inheritance	- Automatic indexing - Cross modal similarity measure - search in large database - Interactive maps of content	WP2: INRIA WP3:UoS/WP4: CWI WP2: INRIA WP7: INRIA
Use case 4.3 : temporal markers of object of interest	- object selection - automatic indexing (local similarity detection of visual objects) - search in large database - interactive navigation	WP7: INRIA WP2: INRIA WP2: INRIA WP7: INRIA

ANNEX 2: list of existing summer school initiatives

The list below is non exhaustive but provides a first idea of some existing (not necessarily on the same topic) summer school initiatives:

Via MESH project : Summer School on Multimedia Semantics 2008 (1-5 Sept 2008 - Chania, Crete, Greece): <http://www.mesh-ip.eu/ssms08.aspx?Page=ssms08>

The European Summer School in Information Retrieval (ESSIR 2007) Glasgow, Scotland, United Kingdom: <http://www.dcs.gla.ac.uk/essir2007/>

Summer School on Multimedia Semantics (2007): <http://www.k-space.eu/>
<http://k-space.qmul.net:8080/k-space/deliverables/SSMS2007-flyer.pdf>

ICVSS (International Computer Vision Summer School)- Sicily
<http://svg.dmi.unict.it/icvss2008/>

Cemracs (Summer Mathematical Research Center on Scientific Computing and Its Applications) at CIRM (Marseille, France), July 23- August 31, 2007: <http://smai.emath.fr/cemracs/cemracs07>

Future of EGEE and European Grid Initiative (EGI) Ludek Matyska CESNET, Czech Republic EGEE & SEE-GRID Summer School Budapest, Hungary: <http://www.authorstream.com/Presentation/Lassie-20299-EGEE-Summer-School-2007-Future-European-Grid-Initiative-EGI-Outline-II-Infrastructure-Perspective-vision-Mid-lon-as-Entertainment-ppt-powerpoint/>

Microsoft Research Summer School, Cambridge, England.
<http://research.microsoft.com/ero/phd/2007SummerSchool>

ESSLLI (European Summer School in Logic, Language and Information)
<http://www.illc.uva.nl/ESSLLI2008/>

CERN School in Computing : <http://csc.web.cern.ch/csc>

EDTB (Extending Database Technology) summer schools: <http://www.edbt.org/summerschools.php>