



Project n:

511 931

Project acronym:

MIND RACES

Project title:

MIND RACES: from Reactive to Anticipatory Cognitive Embodied Systems

Instrument: STREP

Thematic Priority: Information Society Technology

FINAL PLAN FOR USING AND DISSEMINATING THE KNOWLEDGE

(D 7.4 UPDATE TO D 7.2)

Period covered from/to: 01/04/2007 - 1/11/2007

Date of preparation: 14/11/2007

Start date of the project: 01/10/2004

Duration: 36 months

Project coordinator name: Rino Falcone

Revision: revised

Project coordinator organisation name: ISTC-CNR

Document identifier: **FINAL_PLAN_FOR_USING_AND_DISSEMINATING_THE_KNOWLEDGE_N_4**

Date: **10/11/2007**

Work package: **ALL**

Partner(s): **ISDSIA, IST, ISTC-CNR, LUCS, NBU, NOZE, OFAI, UW-COGSCI**

Lead Partner: **NOZE**

Document status: *Verified and approved*

Deliverable identifier: **D7.4_PUDK_N_4**

Delivery Slip

	Name	Partner	Date	Signature
From	Gianguglielmo Calvi	NOZE	14/11/2007	
Verified	Rino Falcone, Susanna Tosi	ISTC-CNR	14/11/2007	
Approved by	Rino Falcone	ISTC-CNR	14/11/2007	

Files

Software Products	User files
MS Word™	FINAL_PLAN_FOR_USING_AND_DISSEMINATING_THE_KNOWLEDGE_N_4

Project information

Project acronym:	Mind Races
Project full title:	Mind RACES: from Reactive to Anticipatory Cognitive Embodied Systems
Proposal/Contract no.:	IST-511931
Project Manager:	ISTC-CNR
Name:	Rino Falcone
Address:	ISTC -CNR Via San Martino della Battaglia 44 00185 Rome, Italy
Phone:	+39 06 44595253
Fax:	+39 06 44595243
E-mail	rino.falcone@istc.cnr.it

CONTENT

1. Introduction 5

2. Exploitable knowledge and its Use..... 5

3. Dissemination of knowledge 5

 Dissemination Plan..... 5

 Scheduling..... 9

4. Metrics and Statistics 16

1. Introduction

This document is intended to be an appendix of the deliverable 1.3 and is following and integrating the Dissemination and Use plan scheduled and delivered to the EC on M6 of the project. As evolving document, it is intended to be an overview of the dissemination activities that the Wp7 and the contractors have undertaken during the whole 36th months of activities. This final plan is, therefore, referring to the same structure and indexes for dissemination evaluation that can be found in the D7.2 deliverable.

2. Exploitable knowledge and its Use

The final 6 Mind RACES months were really intensive. The Consortium worked to finalize any kind of dissemination activity started in the previous years. It also tried to consolidate promising dissemination channels that will be able to capture new audience even after project closure. Web channel was empowered adding new source of information (I.e. Wikipedia , Youtube, ...) and restyling the web portal. A lot of international conference (also in Japan and in United States) were attended. Moreover, MindRACES sponsored the ACII 2007 Affective Computing and Intelligent Interaction, September 2007, Lisboa conference organized by IST partner. The MindRACES Book is going to be published and various new publications were produced. One TV shot during morning information block in bulgarian channels was dedicated to MindRACES. NOZE, as Wp7 leader, used the last 6 months to put into production new potentially commercial softwares based on anticipatory features. In particular NOZE released the 1.0 version (always under test) of the CASE / ICC Software and the 0.92 version of AKIRA. Moreover it concentrated its efforts in other 3 software / alliance: (1) EIP-CEA Complex Evolution Analyzer project with DREAM Laboratory of University of Palermo, (2) ERP-ESA Enterprise Resource Manager for internal use integrated with NOZE ERP, (3) PROMETEIA - SAM Salary Allocation Manager with PROMETEIA risk analysis group.

3. Dissemination of knowledge

The document provides a synthetic overview of dissemination activities undertaken by the partners in the last six months of the project. Updated dissemination channels previously presented in the D7.2 are shown. New dissemination channels identified since the D7.2 publication are also discussed.

Dissemination Plan

The dissemination plan, as summarized scheduling of the whole dissemination effort of the Mind RACES Consortium, has been provided in the D7.2 "Dissemination and Use plan" previously released. The tagging scheme of the activities carried on by the consortium is hereby recalled:

[STATUS: PLANNED]: the corresponding dissemination item was identified to be relevant for the Consortium. No action has been undertaken so far, an accurate scheduling will be included in future reporting documents.

[STATUS: IN PROGRESS]: the corresponding dissemination item is going to be activated or is related to a relevant announced event. Either Conferences or Workshops which programme and dates are still tentative or contacts with third parties that aren't yet settled with some contracts or submitted papers pending the referees approval.

[STATUS: ACTIVE] : the corresponding dissemination item is currently active. For instance submitted and accepted papers, published documents, online resources, future and certain participation in organized conferences and exhibitions. Since the current deliverable the ACTIVE status has been restricted to items (from the previous list) that can be considered of interest for their overall importance (such as publications in worldwide recognized scientific journals or proceedings; i.e. science) or for their activation period (such as items that are closed in the last 2-3 months and are still discussed by the scientific community)

[STATUS: COMPLETE] : the dissemination action is successfully concluded, e.g. Conference already held, or a talk already discussed. On the other hand this flag can include also papers previously submitted and then rejected.

[TYPE:x] : this flag characterizes the type of the dissemination item. Possible values are:

- **C:** Conference or Workshops; it includes organisation activities, invited speeches and demo presentations, presentation of papers in conferences and workshops.
- **P:** Publications; it includes any kind of published document e.g. articles, proceedings, books, papers, both in scientific and in non-scientific publication media.
- **E:** Events; it includes research, commercial and industrial exhibitions.
- **T:** Talks and Seminars; it includes university talks and seminars both academic or non-academic audience.

- **S:** Schools; it includes the organization of schools (winter or summer schools) for undergraduate, postgraduate and *postdoc* students.
- **A:** Alliances; it includes worthy contacts (expression of interest, gentlemen's agreement or cooperation contracts about future uses of Mind RACES results) with commercial and industrial organizations at a various level.
- **W:** Web and other media; in includes any other kind of dissemination means including Internet (web pages, forums, e-mails, newsletters, radio and television).

[PARTNER:xxxx] : this flag identifies the name of the partner mainly involved in the current channel.

[ID:xxxxx] : it is the unique identifier used to refer the current item in tables, when needed.

[TAGS:xxxxx] : this new tag was added after the last comments about our dissemination efforts by the EU Commission. It contains a list of tag strings that characterize which kind of anticipatory aspects are treated and disseminated through the associated dissemination item.

- THEME (the main themes related to the item and addressed by it)
 - Action Control
 - Active vision
 - Analogy-based prediction
 - Attention
 - Cautiousness
 - Cognitive processes
 - Concept formation
 - Context
 - Curiosity
 - Emotions
 - Goals
 - Ideomotor principle
 - Monitoring
 - Priming
 - Sensori-motor processes
 - Surprise

- AREA (the research context of the item)
 - Forward models
 - Individual behaviour
 - Sensori-motor representations
 - Social behavior

- Symbolic representations

- KINDOF (the type and value of work done with the current item)
 - Comparison
 - Integration
 - Improvement
 - Methodological
 - Modelling
 - Novel approach
 - Review

[WPS:xxxxx] : this is another new tag that was added after the last comments about our dissemination efforts by the EU Commission. It contains a list of numbers identifying Workpackages in which the associated dissemination item should be considered relevant. In that way is easy and fast to recognize dissemination efforts in each project area.

With reference to the relevance of the conferences, hereby is defined the sorting parameters used to organize the lists:

- **Global Relevance:** is a qualitative measure that takes into account aspects such as the level of international audience, the importance of the place where the item is done (when applicable), the scientific or industrial importance of the themes and results discussed and showed by the item.

- **Involvement:** is a qualitative measure of the level of involvement of the Mind RACES Consortium in the set up and in the sponsoring of the item. For example, conferences organized by the Consortium, conferences organized by third party organizations in conjunction with Mind RACES contractors, conferences supported or sponsored by Mind RACES partners.

The following lists are therefore sorted in a descent order. Item considered of major interest in respect of the above parameters are shown first.

Scheduling

This section is focused on new or updated dissemination activities. Activities which status has not been modified are not included in the following list and can be found into any of the previous "Updated Plan for Using and Disseminating the Knowledge N xxx" or into the first "Dissemination and Use Plan" (Deliverable 7.2) and are available online in the Mind RACES Portal at: <http://www.mindraces.org/documents/deliverable/deliverable7/>

In the last D7.2 Update (in April) NOZE introduce for the first time the new categorization system that is automatically updated and managed thanks to the Portal. The engine was developed on the basis of the experience acquired during these years. The engine also takes into account considerations done so far by the EU Commission in order to simplify the checking and the dissemination of our outputs. To check the status of MindRACES publications in real time the following address can be used : [List All Publication Items](#)

Dissemination Meetings

Dissemination items that belong to categories C (*Conferences or Workshops*), T (*Talks and Seminars*) E (*Events, Exhibitions*) or S (*Schools*) are generalized as *Meetings*.

1. Christian Balkenius is currently organizing Epigenetic Robotics at Rutgers in November 2007 where several contributions from the project will be presented

(www.epigenetic-robotics.org/)

[STATUS:IN PROGRESS][ID:EPIROBOT2007][TYPE:C][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, INDIVIDUAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

2. Balkenius, Johnsson and Johansson had a presentation at SAIS 2007 Workshop (Swedish Artificial Intelligence Society) (<http://sais2007.hb.se/>)

[STATUS:COMPLETED][ID:SAIS2007][TYPE:T][PARTNER:LUCS][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

3. Balkenius gave talk at Workshop on Metacognition in Paris

[STATUS:COMPLETED][ID:METACOG2007][TYPE:T][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

4. Balkenius gave talk , Humanistdagarna, Lund

[STATUS:COMPLETED][ID:HUMANLUND2007][TYPE:T][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS;

KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

5. Balkenius gave talk at NUCC 2007.

[STATUS:COMPLETED][ID:NUCC2007][TYPE:T][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

6. Balkenius gave talk LUMI, Trolleholm, May 15, 2007. (<http://www.lumi.lu.se>)

[STATUS:COMPLETED][ID:LUMI2007][TYPE:T][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

7. Balkenius and Johansson gave a course (including tutorials) at the Cognitive Science Summer School in Sofia, July, 22-27, 2007.

[STATUS:COMPLETED][ID:SCHOOLSOFFIA2007][TYPE:S][PARTNER:LUCS][TAGS:AREA:SENSORI-MOTOR REPRESENTATIONS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:METODOLOGICAL, MODELLING; THEME:SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

8. IST participated in the organization of the ACII 07 Conference (Second international conference on Affective Computing and Intelligent Interaction). Ana Paiva was chair at the conference and Paolo Petta and Carlos Martinho demonstrated with a robotic demo (iCat, the Affective Chess Player) MindRACES outputs. (<http://gaips.inesc-id.pt/acii2007/index.html>)

[STATUS:COMPLETED][ID:ISTACII2007][TYPE:C][PARTNER:IST][TAGS:AREA:INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:INTEGRATION, IMPROVEMENT, MODELLING; THEME:EMOTIONS, GOALS, SURPRISE, CAUTIOUSNESS][WPS:3,4,5,7]

9. Juergen Schimduber was jointly invited by "Lecture for the conferences Algorithmic Learning Theory" (ALT 2007) and "Discovery Science" (DS 2007) in Sendai, Japan (the only invited talk covering both parallel conferences). Here he talked about issues related to curiosity and selective attention.

[STATUS:COMPLETED][ID:ALTDSDS2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

10. Juergen Schimduber was invited to give a Plenary Talk On Artificial Curiosity at the A*STAR Meeting on Expectation & Surprise in Singapore

[STATUS:COMPLETED][ID:ACURIOSITY2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]

11. Juergen Schimduber was invited to give a Plenary Talk at "Art Meets Science 2007" in Munich.

[STATUS:COMPLETED][ID:AMS2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:7]

12. Juergen Schimduber was invited to give Plenary Talk at ACAT'07 (Advanced Computing and Analysis Techniques in Physics Research) in Amsterdam.

[STATUS:COMPLETED][ID:ACAT2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS,

- INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:7]**
13. IDSIA gave talk at university about MindRACES results: Oct 5, 2007, Tokyo
[STATUS:COMPLETED][ID:TOKYO2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
14. IDSIA gave talk at university about MindRACES results: Sep 29, 2007, Hokkaido
[STATUS:COMPLETED][ID:HOKKAIDO2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
15. IDSIA gave talk at university about MindRACES results: Sep 27, 2007, Kyoto
[STATUS:COMPLETED][ID:KYOTO2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
16. IDSIA gave talk at university about MindRACES results: Sep 25, 2007, BSI Riken, Tokyo
[STATUS:COMPLETED][ID:TOKYOBSI2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
17. IDSIA gave talk at university about MindRACES results: July 11, 2007, LMU, Munich
[STATUS:COMPLETED][ID:MUNICHLMU2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
18. IDSIA gave talk at university about MindRACES results: June 29, 2007, Gatsby Neuroscience, UK
[STATUS:COMPLETED][ID:GATSBY2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
19. IDSIA gave talk at university about MindRACES results: June 28, 2007, Reading, UK
[STATUS:COMPLETED][ID:READUK2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
20. IDSIA gave talk at university about MindRACES results: Jan 23, 2007 and June 28, 2007, Bochum
[STATUS:COMPLETED][ID:BOCHUM2007][TYPE:T][PARTNER:IDSIA][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:CURIOSITY, SENSORI-MOTOR PROCESSES, COGNITIVE PROCESSES][WPS:3,4,7]
21. In May 2007 at the "Red house-Center of culture and debate" in Sofia, Maurice Grinberg hold a lecture on "Robotics: How to Tell a Robot from a Human?" in which main issues of the MindRACES project and achieved results were presented.
[STATUS:COMPLETED][ID:TVSOFIA2007][TYPE:T][PARTNER:NBU][TAGS:AREA:SYMBOLIC REPRESENTATIONS; KINDOF:REVIEW, MODELLING; THEME:ANALOGY BASED PREDICTION, COGNITIVE PROCESSES][WPS:3,4,5,7]
22. Luca Tummolini is currently organizing a conference on "Moral Emotions and Anticipation" to be held in Rome on the project themes between April and May 2008.
[STATUS:IN PROGRESS][ID:MEA2008][TYPE:C][PARTNER:ISTC-CNR][TAGS:AREA:SOCIAL BEHAVIOUR,

SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:EMOTIONS, COGNITIVE PROCESSES, CONCEPT FORMATION][WPS:3,4,5,7]

23. Michele Piunti participated in ACII 2007 Affective Computing and Intelligent Interaction, September 2007, Lisboa,

[STATUS:COMPLETED][ID:ISTCACII2007][TYPE:T][PARTNER:ISTC-CNR][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:EMOTIONS, COGNITIVE PROCESSES, CONCEPT FORMATION, SURPRISE, ACTION CONTROL, CAUTIOUSNESS][WPS:3,4,5,7]

24. Michele Piunti participated in AISB 2007, Symposium Mindful Environments, April Newcastle

[STATUS:COMPLETED][ID:AISB2007][TYPE:T][PARTNER:ISTC-CNR][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:COGNITIVE PROCESSES, CONCEPT FORMATION, SURPRISE, ACTION CONTROL, CAUTIOUSNESS][WPS:3,4,5,7]

25. Michele Piunti participated in WOA 2007, AI*IA/TABOO Joint Workshop, September 2007 Genova

[STATUS:COMPLETED][ID:WOA2007][TYPE:T][PARTNER:ISTC-CNR][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:COGNITIVE PROCESSES, CONCEPT FORMATION, SURPRISE, ACTION CONTROL, CAUTIOUSNESS][WPS:3,4,5,7]

26. Martin Butz participated in various international conferences and was involved in the organization of the 10th International workshop on Learning Classifier Systems (IWLCS 2007) (<http://www.psychologie.uni-wuerzburg.de/i3pages/butz/IWLCS2007/>)

[STATUS:IN PROGRESS][ID:IWLCS2007][TYPE:C][PARTNER:UW-COGSCI][TAGS:AREA:FORWARD MODELS, INDIVIDUAL-BEHAVIOURS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:MODELLING; THEME:IDEOMOTOR PRINCIPLE, ACTION CONTROL, CONTEXT][WPS:3,4,7]

27. Fabio Adezio participated in Miopen workshop in Milan in which professionals from open-source ICT sector meet industry to propose new technologies and advancements (<http://www.miopen.it/>) .

[STATUS:COMPLETED][ID:MIOPEN2007][TYPE:E][PARTNER:NOZE][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:SENSORI-MOTOR PROCESSES][WPS:3,4,7]

28. Fabio Adezio has been invited in Creativity Festival 2007 in Florence (350.000 visitors and 3.000.000 contacts in web site) to show how open source can contribute in research advancements. His discussion was focused on MindRACES and on the development of secure collaborative infrastructures to improve partners cooperation in european projects.

(<http://www.festivaldellacreativita.it/>)

[STATUS:COMPLETED][ID:CREATIVITY2007][TYPE:T][PARTNER:NOZE][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:SENSORI-MOTOR PROCESSES][WPS:3,4,7]

29. Gianguglielmo Calvi participated in the EuCognition meeting in Munich 30 June 2007.

MindRACES project was unofficially presented to other participants during the meeting. The participation was funded by the euCognition program and not by the MindRACES program.

It was really promising to now that one of the most important issues discussed was about the possibility to demonstrate that cognitive systems are mature enough to be used in

industry or in commercial environments (c.f.r. ICC Project).

[STATUS:COMPLETED][ID:EUCOGNITION2007][TYPE:E][PARTNER:NOZE][TAGS:AREA:SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS; KINDOF:MODELLING; THEME:SENSORI-MOTOR PROCESSES][WPS:3,4,7]

Dissemination Documents

Dissemination items that belong to categories P (*Publications*) and W (*Web and other media*) are generalized as *Documents*. All the references to published documents are categorized and can be found at : http://www.mindraces.org/public_references/

Here we summarize only the most important effort in this category that is represented by the MindRACES Book.

1. The Consortium is finalizing the edition of the MindRACES book (tentatively titled: *The Anticipatory Challenge: A Unifying Framework for the Analysis and Design of Artificial Cognitive Systems*). The book will include contributions provided by the project partners and will be presented during the last MindRACES review.

[STATUS:IN PROGRESS][ID:MINDRACESBOOK][TYPE:W][PARTNER:ISTC-CNR,UW-COGSCI,LUCS,NBU,IDSIA,IST,OFAI,NOZE][TAGS:AREA:FORWARD MODELS, SOCIAL BEHAVIOUR, SYMBOLIC REPRESENTATIONS, SENSORI-MOTOR REPRESENTATIONS; KINDOF:COMPARISON, INTEGRATION, METHODOLOGICAL, MODELLING; THEME:SURPRISE, ANALOGY-BASED PREDICTION, CURIOSITY, IDEOMOTOR PRINCIPLE, EMOTIONS, COGNITIVE PROCESSES, ACTION CONTROL, ACTIVE VISION, GOALS, SENSORI-MOTOR PROCESSES][WPS:3,4,5,7]

Partnerships and Strategic Alliances

Dissemination items that belong to categories A (*Alliances*) are generalized as *Partnerships and Strategic Alliances*.

1. NOZE improved the custom MindRACES section on Youtube developing a custom channel where future resources will be linked.

(<http://www.youtube.com/mindraces>)

[STATUS:IN PROGRESS][ID:YOUTUBE2007][TYPE:W][PARTNER:NOZE][TAGS:KINDOF:IMPROVEMENT][WPS:7]

2. NOZE continues to improve the web portal features and structures to be more accessible and useful to the community and more powerful for the Partners. In particular the following actions was taken:
 - Restyle and remove of unused categories to have better access to important site sections
 - Categorization and documents publication engine to search and download every publication output of the project

- Auto RSS Feed Engine able to keep up to date the home page with news coming from different cognitive science resources (augmented source of information)
- Custom Google Searcher (also integrated in home) able to index in a custom way content related to cognitive science and anticipation

**[STATUS:ACTIVE][ID:WEBPORTALUPGRADE2007][TYPE:W][PARTNER:NOZE
TAGS:KINDOF:IMPROVEMENT][WPS:7]**

3. NOZE continues its collaboration with University of Palermo – DREAM Laboratory. The project, currently named EIP-CEA (Eco Industrial Park - Complex Evolution Analyzer) is going to produce its first output with the thesis of Antonella Caracausi.

**[STATUS:IN PROGRESS][ID:DREAM2007][TYPE:A][PARTNER:NOZE]
TAGS:KINDOF:FORWARD MODELS,IMPROVEMENT][WPS:7]**

4. NOZE developed for internal usage a little cognitive system module ESA (Employer Satisfaction Analyzer) that was integrated with its own ERP to encode a cognitive description of employers expectations about their job.

**[STATUS:IN PROGRESS][ID:NOZEESA2007][TYPE:A][PARTNER:NOZE][TAGS:KINDOF:FORWARD
MODELS,IMPROVEMENT][WPS:7]**

5. NOZE developed for PROMETEIA risk analysis group a complex software to manage role and resources allocation in group's business areas. The software uses a standard CSP algorithm to allocate roles and resources. In order to evaluate possible advantages of other approaches such as the cognitive one NOZE also developed SAM (Salary Allocation Manager) a different version of that algorithm that is able to take into account employer's factors such as acquired roles, skills, job lifetime, ..., to produce expected future salary claims.

**[STATUS:IN PROGRESS][ID:PROMETEIA2007][TYPE:A][PARTNER:NOZE][TAGS:KINDOF:FORWARD
MODELS,IMPROVEMENT][WPS:7]**

6. In the last 6 months NOZE developed and released a new version of AKIRA (0.92). The version contains important updates and technological advancements developed to simplify integration of cognitive system also in industry and commercial environment. For example the AKIRA server was equipped with web service features and is now able to connect with other AKIRA servers in a large distributed network of services.

**[STATUS:ACTIVE][ID:AKIRAFRAMEOWORK06][TYPE:W][PARTNER:NOZE][TAGS:KINDOF:IMPROVE
MENT][WPS:7]**

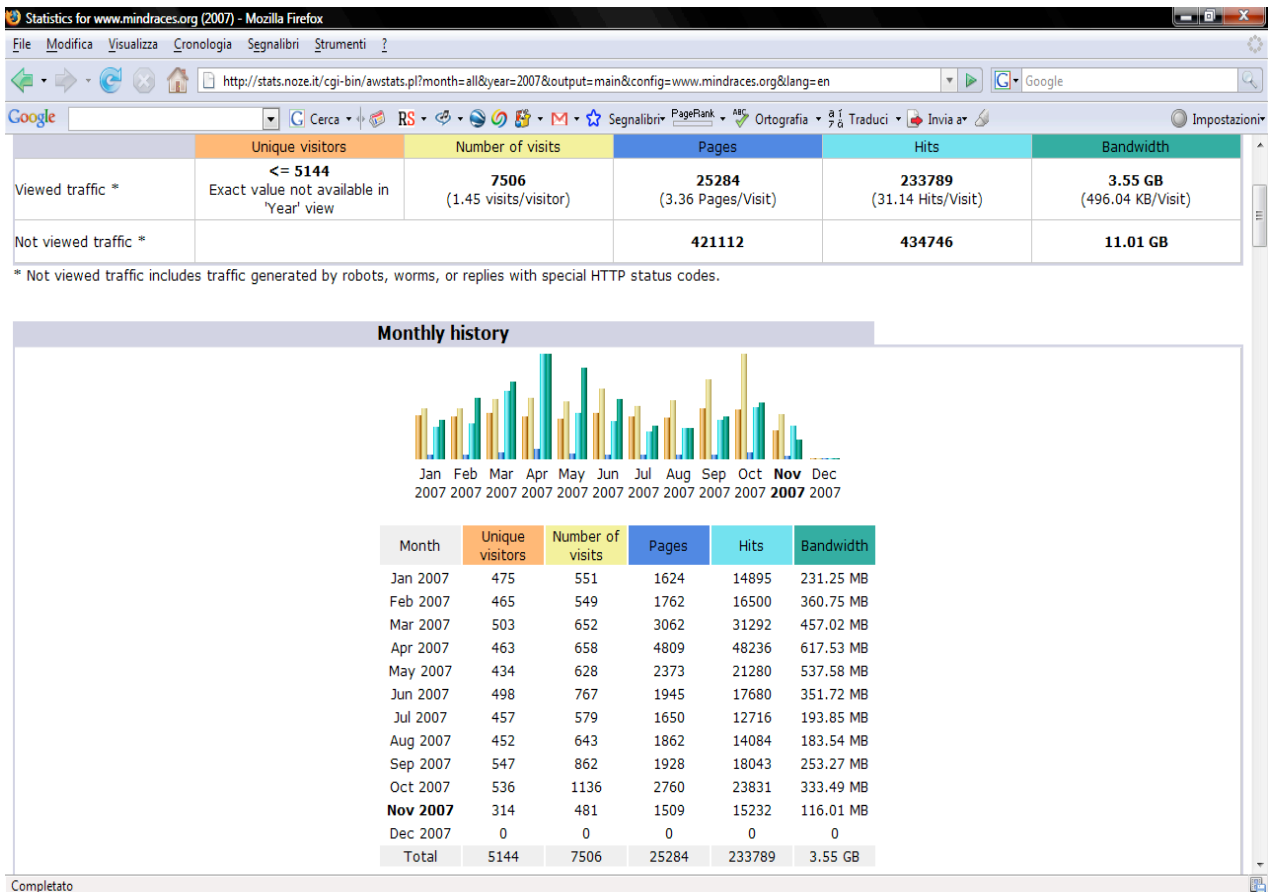
7. NOZE became in 2007 an official partner of the ZEA Open Source Excellence Network (<http://www.zeapartners.org/> ; <http://www.zeapartners.org/partners>). The goal of ZEA is to create a network to amplify visibility of successful open source Zope/Plone based applications across Europe and South America. MindRACES Portal was one of the NOZE's products that were promoted with ZEA since the very beginning. They are also really interested in demonstrating how open source content management can be used to increase productivity in public organizations and research projects. In that sense ZEA considered MindRACES a really good example to show these kind of results.

[STATUS:ACTIVE][ID:ZEA2007][TYPE:A][PARTNER:NOZE][TAGS:KINDOF:IMPROVEMENT][WPS:7]

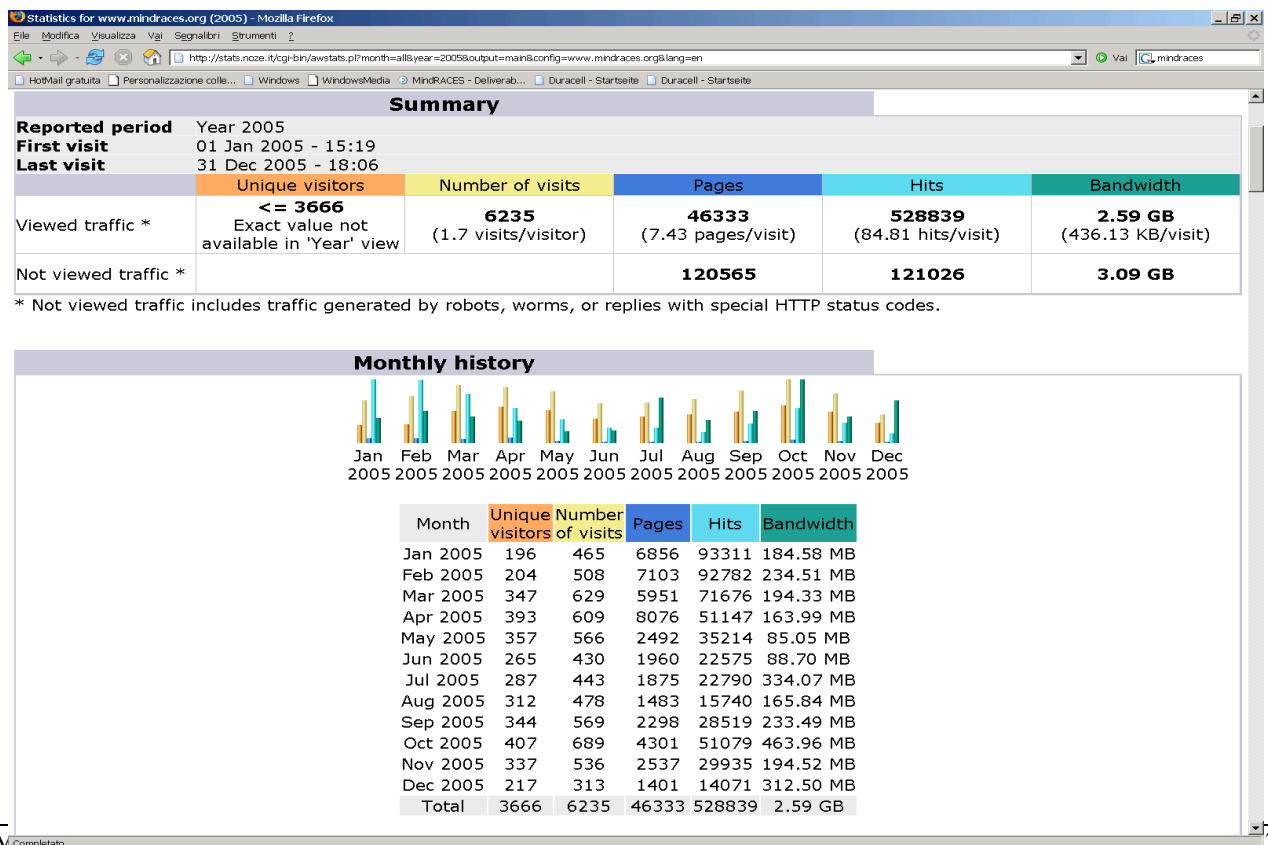
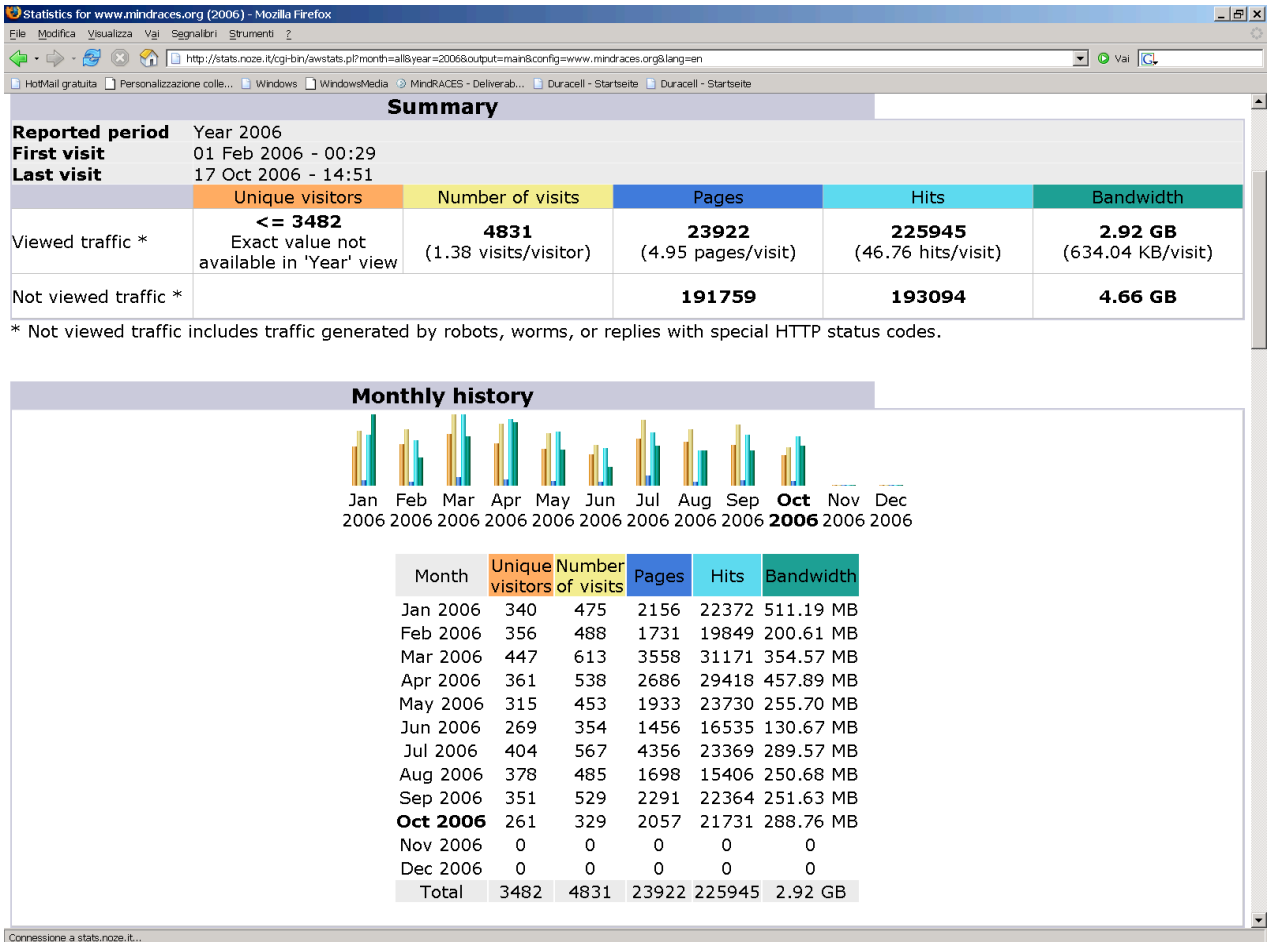
4. Metrics and Statistics

Level of Participation

The Level of Participation measures the current response around the project. It can be defined as a sum of all contacts (Organizations, People..) that join the Mind RACES Community and that plan to use or feel already committed to use the project results for their own purposes. A preliminary index of the level of participation is given by the following screenshots showing the response on the web for the Mind RACES Portal¹ and for the AKIRA Project linked resource.



¹ Collected statistics can be verified at: <http://stats.noze.it/www.mindraces.org/>



In the last two year we show how the Mind RACES Portal reached the stable rate of ≈ 350 distinct visitors per/month maintaining a little positive trend. In the last project year a lot of work was spent to improve portal visibility and now we can see the progress (still incrementing). New statistics data demonstrates that we are currently stable at ≈ 480 distinct visitors per/month with an increment of 38% in respect to the previous years. Moreover in the last month the trend seem to be even more interesting and NOZE hope to reach at the end of the current year ≈ 750 distinct visitor per/month. Moreover NOZE would like to signal that it will continue to maintain the portal keeping it up to date even if the project is going to be completed. NOZE want to invest into the MindRACES project portal in order to create a central point for cognitive science information around anticipation.

Level of Activity

It measures the amount of activities between Partners. It takes into account the number of documents (email, summaries, posts, internals, ...) shared and exchanged between the Partners during the project. Next tables show updated documents dataflow statistics and forums usage statistics:

May 2005

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
57	21	206	284

October 2005

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
63	38	606	707

April 2006

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
*	77	1033	1110

October 2006

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
*	169	1109	1278

April 2007

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
*	262	1258	1520

October 2007

FORUM DISCUSSIONS	DOCUMENTS (internals)	EMAIL (in + out)	TOTAL
*	341	1392	1733

In the last project semester the number of documents produced and stored into the portal augmented of a 30%. It is a good gain if we considered that in the first 6 months of the third year (from October 2006 to April 2007) the Consortium produced the majority of the output publishing in a lot of conferences and setting up the new web infrastructure to store published items. (*) Forum views stats isn't added due to the fact that in this project phase, forums aren't used anymore.

Level of Effectiveness

A measure of how much effective is the work done so far and planned to do by the Mind RACES Consortium is also necessary. This measure take into account previously scheduled activities trying to compare the current distribution between their different status (PLANNED, IN PROGRESS, ACTIVE, COMPLETE). The result is shown into two tables that are able to clarify the current and, in part, the incoming dissemination status.

Synthetic Channels Distribution Effectiveness**May 2005**

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		9	3	1	13
Publications		9	4	2	15
Events	3	1	1	1	6
Seminars and Talks		1	5		6
Schools		2	2		4

October 2005

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		8	4	5	17
Publications	2	11	11	7	31
Events	3	1	1	2	7
Seminars and Talks	1	1	7		9
Schools		2	2		4

April 2006

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		9	3	9	21
Publications	2	13	8	15	38
Events	3	1	1	2	7
Seminars and Talks	1	1	7	4	13
Schools		2	2		4

October 2006

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		6	3	15	24
Publications	2	9	8	42	63
Events	3	1	0	3	7
Seminars and Talks	1	1	0	19	21
Schools		2	0	2	4

April 2007

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		6	0	19	25
Publications	2	9	0	52	63
Events	3	1	0	3	7
Seminars and Talks	0	0	0	23	23
Schools		2	0	2	4
Industry Relationships	1	6	5	2	14
Web and Other Media			3	2	5

October 2007

Channels VS Status	PLANNED	IN PROGRESS	ACTIVE	COMPLETE	TOTAL
Conferences and Workshops		8	0	20	28
Publications	0	4	0	75	79
Events	3	1	0	5	9
Seminars and Talks	0	0	0	45	45
Schools		0	0	4	4
Industry Relationships	1	8	6	2	17
Web and Other Media			3	2	5

Final Publication Distribution Impact

Channels VS Status	WP3	WP4	WP5	WP6
Publications	24	38	9	8
PM Total	62,12	42,93	16,06	47,54

Tables show clearly some important results. First of all the project is going to be closed with almost any pre-configured plan of dissemination respected. The amount of closed tasks in respect to unclosed or failed ones is of **162** Vs **25**. The Consortium completed the **86%** of the

per-year planned tasks. Moreover the Final Publication Distribution Impact Table shows that the amount of work spent to cover issues in different workpackages is also partially related with the amount of publications produced in the associated workpackages. This is another good source of information to consider MindRACES an healthy and successful project.