

**SIXTH FRAMEWORK PROGRAMME
PRIORITY 2**



Specific Targeted Research Project
ROBOT@CWE

Advanced robotic systems in future collaborative working environments
Contract Number 034002

**Deliverable 5.2@M1:
Kick-off Meeting – Paris, France
AGENDA AND MINUTES**

Version	1.0
Status	Final version
Date	2007-02-10

Deliverable Administration & Summary					
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Workpackage	No.	Name			
	WP5	Management of the project			
Task	No.	Name	Description from DOW		
	T5.2	Review, dissemination, management	Preparation for review meetings and their organization. Interface with the CEC. Advertise and encourage dissemination through organized workshops. Networking establishment with other project, and NoE.		
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Dissemination level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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1. Participants

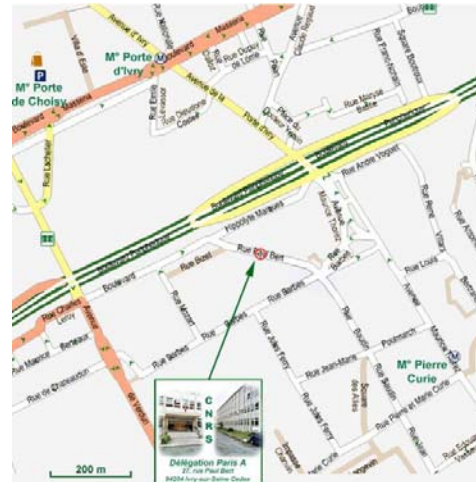
CNRS	Paul Evrard, Abderrahmane Kheddar, Sylvain Miossec, Olivier Stasse
AIST	Eiichi Yoshida
UC3M	Carlos Balaguer, Carlos Perez Martinez, Paolo Pierro
UNISALZ	Bernd Ploderer, Manfred Tscheligi
HP-EIC	Lorenzo Blasi
SAS	Jeremi Gancet
EPFL	Aude Billard, Sylvian Calinon, Elena Gribovskaya
DRAGADOS	Carlos Bosch Cantallop
TUM	Andrea Bauer, Klaas Klasing, Dirk Wollherr

2. Agenda

10h47-10h54	Presentation of CNRS by Abderrahmane Kheddar
10h54-11h04	Presentation of JRL by Eiichi Yoshida
11h04-11h13	Presentation of SALS (PLUS) by Bernd Ploderer
11h13-11h24	Presentation of HP-EIC (European innovation Center, renamed Italy Innovation Center) by Lorenzo Blasi. HP-Innovation Center in Italy.
11h25-11h35	Presentation of UC3M by Carlos Balaguer
11h36-11h48	Presentation of Dragados by Carlos Bosch Cantallops.
11h50-11h57	Presentation of SAS by Jérémi Gancet Zaventum, Belgium
11h58-12h05	Presentation of TUM by Dirk Wollherr.
12h06-12h18	Presentation of LASA, EPFL by Aude Billard .
12h	Lunch break
Afternoon	Points discussed: <ul style="list-style-type: none"> • Decision on the place and the time of the next meeting. • Presentation of the deliverables. • The web-site. • Organization to realize Workpackage 1. • The logo for the project.

3. Venue

CNRS Délégation Paris A
27 Rue Paul Bert,
94204, Ivry sur Seine Cedex, France



4. Minutes

4.1. Clarifications on NASA partner

There was no realistic possibility to have NASA comply with the European regulation: this is because we had to face very complex jurisdiction and other administration issue. NASA can however contract with a specific institution (i.e. a partner of the project and establish collaborative work rather than partnership). The solution is to have Terry Fong involved by one of the partner (most likely EPFL).

4.2. Next meeting

It is decided to hold the next meeting at Lausanne, Switzerland (EPFL), the first week of April. The date is decided regarding the first deliverables which need to be ready for M6. It is suggested by Aude Billard to use doodle to decide the date.

<http://www.doodle.ch/index.php.en>

4.3. Presentation of deliverables

There are 4 deliverables at M6. From the regulations, they should be delivered by time to the project officer. Most of the partners prefer to use MS-Word as the common editor to write the deliverables but templates will be provided for Word or Latex on demand.

Regarding the management and the review process for the deliverables, two partners are assigned as responsible of gathering knowledge the writing and the quality assessment: the leader (in yellow), the quality assessor (in green). It is agreed that when it is possible, the quality assessor (or reviewer) should be outside the groups of the deliverable's authors. The deliverable should include an executive summary of few pages, depending on the tasks. Papers and other technical documents should be put in annexes.

Deliverables should provide original work, whereas previous works should be referenced. Putting own published papers (providing high-quality journal or conferences) inside the deliverable will prove that the work undergoes an external anonymous preliminary review by the scientific community, and thus asserts the quality of the work. It is recommended to be synthetic, concise and to provide a work of high quality.

4.4. Web-site

It is suggested by Carlos Balaguer (UC3M) to use Plone for the web-site.

Some of the functionalities could be:

- a repository for all the documents,
- it should include private and public sides,
- a forum for discussions,
- a mailing-list with a unique tag in the subject,
- display the name of the person in charge of administrative duties for each group,
- identification of all the person with pictures (upon the agreement of each person),
- the description of the partners (taken from the ANNEX).

It is agreed that Paul Evrard will be in charge of the Web-site.

4.5. Scenario for final demonstration

It is decided to agree on a scenario in order to drive the work of the first deliverables. The scenario agreed upon is provided by partner DRAGADOS:

The context is crisis management: after an accident, a natural disaster, or into space it is necessary to be in highly hostile sites. A shelter is sent by a vehicle, and should be assembly on-site. The mounting is done collaboratively by human (from the inside of the shelter), and by robots (that are outside). The principle is called “the circus truck”, i.e. the shelter has to be self-sufficient. They are several advantages: The groups are not depending on a job site. It is possible to study the interaction between human and humanoid. In a situation of crisis, the money factor is not important. They are no wide-network, no structure of environment. It is not time dependent. The container or shelters could be available through DRAGADOS. Note that the scenario matters the dissemination of Space developed technology in terrestrial disaster situations.

More specifically it is assumed that the container, humans and robots interacts by several means: direct physical collaboration, through a local network (CNRS, EPFL), through satellite communication, telepresence, haptic feedback (TUM), and that the container is fully equipped with RF-IDs, and so on.

There are some concerns about the study regarding societal acceptance. Especially because in context where robots are needed, they are highly qualified workers already trained to work with those machines. It is proposed by DRAGADOS to have a humanoid robot on the site of one of their factory, to study the apprehension of the workers. The use of HRP-2 being problematic due to insurance and transportation precaution problems, it is agreed to use UC3M’s humanoid robot for this purpose.

The final demonstrators will be in 3 locations: one in Japan, one in Madrid, one in Lausanne (for small manipulation). The role of HP is to offer a software to integrate the packages altogether.

4.6. Goals for workpackage 1.1

Task 1.1 Screening of the robot and the interface technology. This workpackage should answer the following questions: What are the technology that are needed to have a human and a robot to interact together? What do we need to integrate the other workpackages?

Task 1.2: PLUS is the leader to define the methodology.

Task 1.3: How the robotic technology evolved to be able to integrate into a collaborative environment? Compare this with the computer science history. This deliverable should have a broad view of the future impact of robots in the society.

D1.1 and D1.2 are linked to task 1.

D1.3 is linked to task 2.

D1.4 is linked to task 3.

Several partners raised the very fact that D1.1 and D1.2 could be merged, and that it is possible to amend the text after discussion with the EU officer. A. Kheddar will address an official demand to ROBOT@CWE PO.

Regarding the quality assessment process agreed upon, PLUS will become the reviewer of the deliverable 1.4, because they are not involved in the redaction process.

For deliverable 1.3: PLUS is the leader and EPFL will be the reviewer.

4.7. Logo for the project

No decision concerning the logo's project, the contest is open.