



ROBotic Open-architecture Technology for  
Cognition, Understanding, and Behavior



**Project No. 004370**

**RobotCub**

**Development of a Cognitive Humanoid Cub**

Instrument: Integrated Project  
Thematic Priority: IST – Cognitive Systems

**D5N.3 Imitation and communication on the iCub  
software implementation**

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Dissemination Level		
<b>PU</b>	Public	<b>PU</b>
<b>PP</b>	Restricted to other programme participants (including the Commission Service)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Service)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Service)	



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### 1 Introduction

This deliverable is a set of demonstrations to show the functioning of the software that implements imitation and communication on the iCub robot. This research has been carried out in Workpackage 5N (which merged WP5 and WP6 during the last period of the project). Beside the software per se that can be accessed on the iCub SourceForge SVN repository, we are including a wiki page with videos, papers and links to the iCub application or modules that implement a specific behaviour. This deliverable item is linked also to D5N.1 and D5N.2 which contains a description of various experiments on imitation and communication performed on the iCub, in infants and in adult humans.

### 2 Links

The main link to the videos and references about the experiments described in the D5N.1 and relevant to D5N.2 can be browsed at the following URL:

[http://eris.liralab.it/wiki/Deliverable\\_5N.2](http://eris.liralab.it/wiki/Deliverable_5N.2)