

## RoboCare: Robotics for the elderly



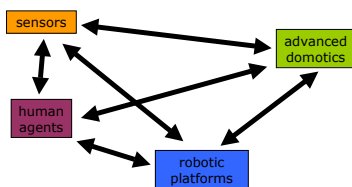
## A distributed system

- Software Agents
- Robotic Agents
- Human Agents

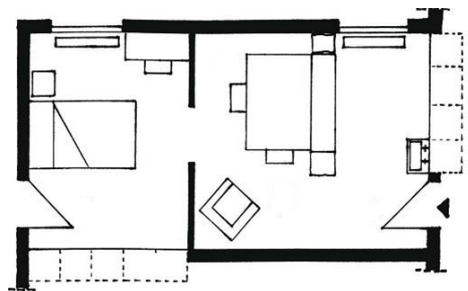


All cooperate to provide services for human assistance

## High cooperative environment



## Domestic Environment (ISTC-CNR)



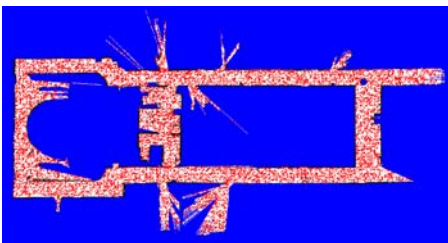
## Tasks

- **Reminder** ("It's the time for the suppository")
- **Entertainment** ("Let's have a chess game")
- **Transport** ("Get me a coffee from the coffee machine")
- **Check** ("Check the stove")
- **Search** ("Look for Mr. Smith")
- **Escort** ("Go for a walk with Mrs. Brown")

## Mapping



## Localization (with LRF data)



## Simple action: Fetch



## AIBO following pioneer



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June 20th, 2005 - Roma, ITALY



<http://robocare.istc.cnr.it>



# La Sapienza

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