



European Clearing House for Open Robotics Development Plus Plus



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**ECHORD / ECHORD++**

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Bristol, Oct. 23rd, 2014

Reinhard Lafrenz

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# What is ECHORD++

- FP7 project where you can participate
- Based on the success of ECHORD (2009-2013)
- 7 initial partners.

**RUROBOTS**  
Cognitive Science at Work

**brl**  
Bristol Robotics Laboratory

**BLUE OCEAN ROBOTICS**  
- for humans

**cea**  
DE LA RECHERCHE ET DE LA SECURITE

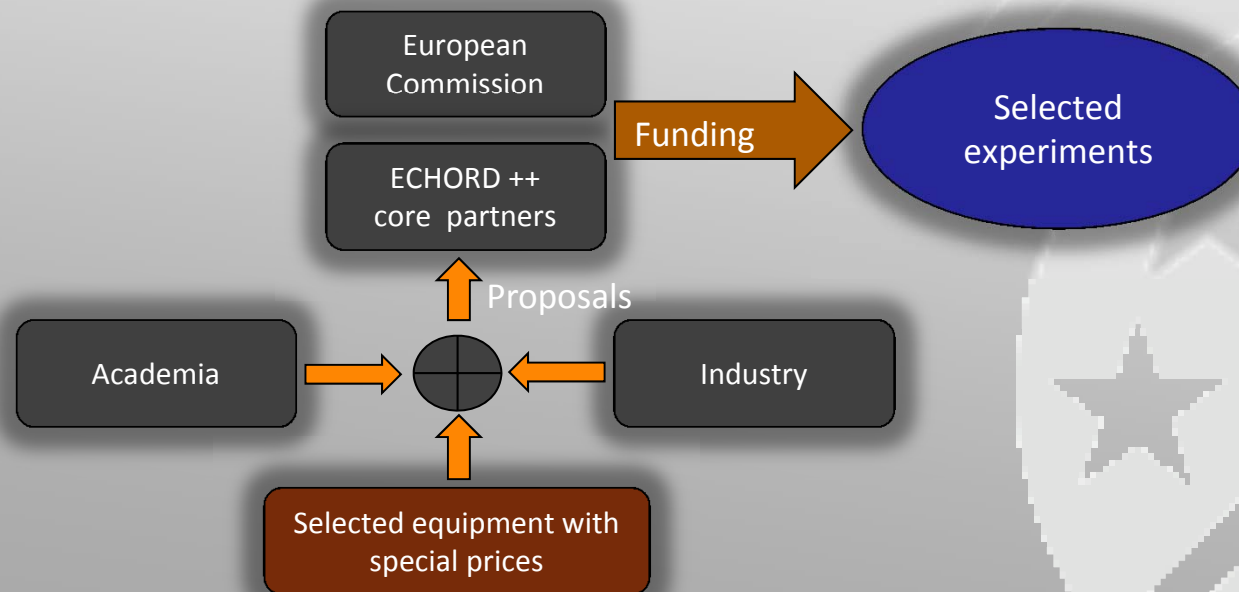
**TUM**

**UPC**

SCUOLA SUPERIORE SANTA ANNA  
PISA

## ECHORD Project facts

- Runtime 1.1.2009 – 31.12.2013
- Funding ~19 Mio. €
- Most of the funding re-distributed to new partners
- Focus on application-oriented research and development through small-scale sub-projects (“experiments”) and a “structured dialogue” between academia and industry



## ECHORD++ Project facts

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- Runtime 1.10.2013 – 30.9.2018
- Funding ~19 Mio. €
- Best practice of ECHORD + two new instruments
- Most of the funding is re-distributed to partners to be added
- Focus on application-oriented research and development and creation of impact: Transfer Excellence
- Increased outreach, dissemination, and exploitation

## ECHORD++ Instruments

ECHORD++ will stimulate the interaction between robot manufacturers, researchers and users.

This goal will be achieved by implementing three different instruments:



**Experiments**



**Robotics  
Innovation  
Facilities  
(RIF)**



**Pre-Commercial  
Procurement Pilots  
(PCP Pilots)**

# ECHORD++

## Instruments



**Experiments**



**Robotics  
Innovation  
Facilities  
(RIF)**



**Pre-Commercial  
Procurement Pilots  
(PCP Pilots)**

## Experiments

Small to medium sized **scientific research and/or technology development** projects with a clear focus on generation of impact

- Funding ~ 300k€ per experiment
- Duration up to 18 months
- Small consortia, typically 2-3 partners
- No need for 3 different countries
- Two calls, spring 2014, and mid-2015
- **Call 1: 137 proposals received, 16 selected, currently under negotiations**



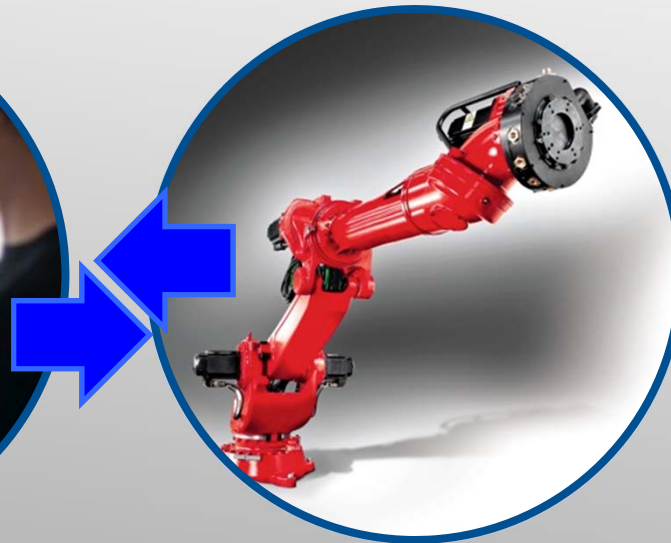


# ECHORD++

## Linking RIFs and Experiments



**Experiments**



**Robotics  
Innovation  
Facilities  
(RIF)**

- Use RIFs as test beds outside the own lab
- Get access to robotics equipment and experts to support bootstrapping and knowledge transfer
- Show your results and participate in dissemination events



# ECHORD++

## Instruments



Experiments



Robotics  
Innovation  
Facilities  
(RIF)



Pre-Commercial  
Procurement Pilots  
(PCP Pilots)

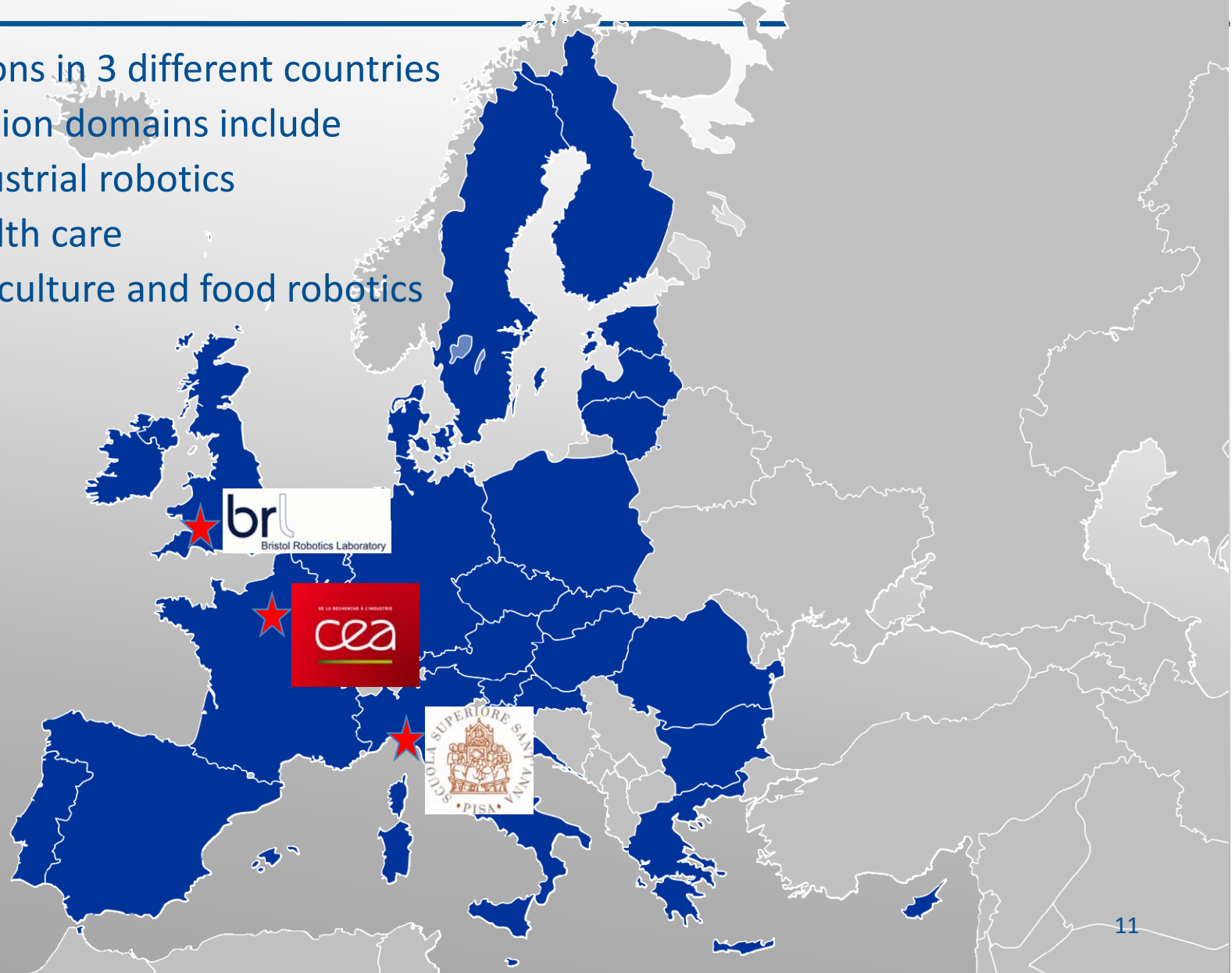
## Robotics Innovation Facilities (RIF)

The purpose of the RIFs is:

- To be a **living lab**
- To serve as a **test-beds** for E++ experiments
- To be **central and sustainable showrooms** for the general public

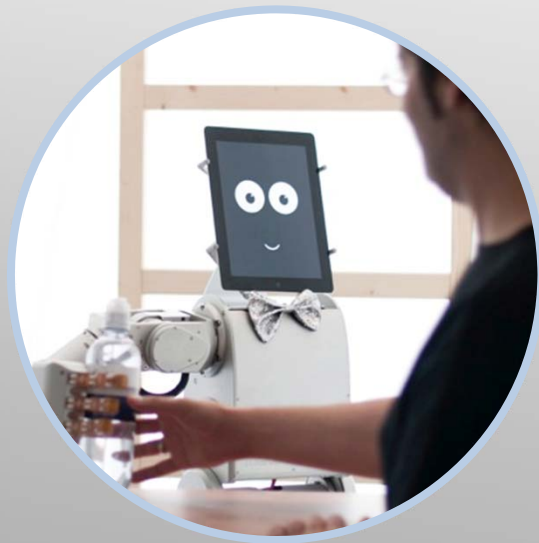
## RIF locations

- 3 locations in 3 different countries
- Application domains include
  - Industrial robotics
  - Health care
  - Agriculture and food robotics
  - ...



# ECHORD++

## Instruments



Experiments



Robotics  
Innovation  
Facilities  
(RIF)



Pre-Commercial  
Procurement Pilots  
(PCP Pilots)

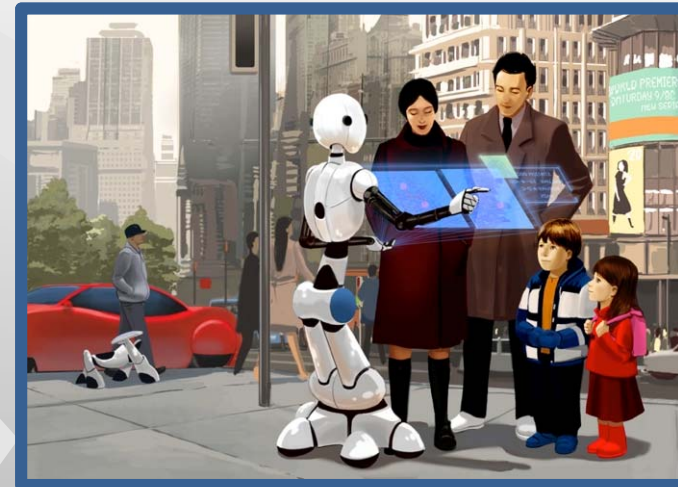


# PCP Pilots within E++

## Scenarios

### Healthcare

### Urban Robotics



### Objectives

- Finding the ideal way of integrating public bodies in the development of robotics technology.
- Selecting the best challenges for both scenarios where the robotic technology can be applied successfully.
- Test the selected solutions in the scenarios.

# Outreach and dissemination activities

## Organisation of general or instrument specific ECHORD++ information days

- This event
- RIF information days
- Experiment proposers' days
- ECHORD++ PCP information events for potential applicants planned

## Target group specific Participation in

- Industrial fairs
- Scientific conferences
- Networking events on EU or national level

## Flyers and brochures, e.g.

- Experiment overview
- Robotics equipment



**Thank you.**

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*Questions?*

*[www.echord.eu](http://www.echord.eu)*

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