ECHORD++

European Clearing House for Open Robotics Development Plus Plus
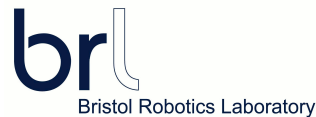
ECHORD++ Information Day

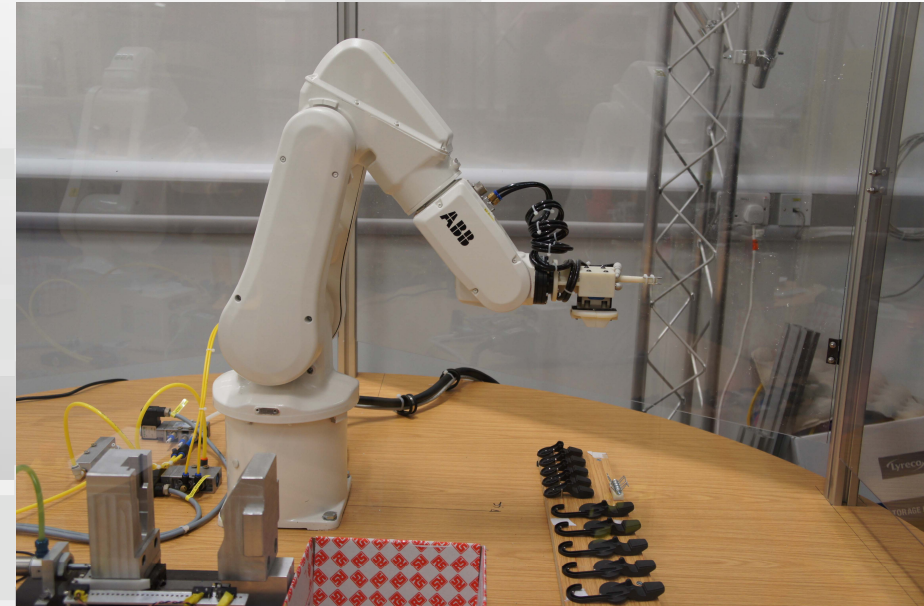## Robotics Innovation Facilities
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Bristol 23rd October 2014

TUM · SCUOLA SUPERIORE SANT'ANNA PISA · brl Bristol Robotics Laboratory · UPC · BLUE OCEAN ROBOTICS - for humans · cea · RURobots Cognitive Science at Work · SEVENTH FRAMEWORK PROGRAMME

Objectives of WP4

- **Define processes needed for RIF set-up, operation and evaluation**

- **Provide networking opportunities to E++ Experimenters**

- **Provide opportunities to educate a new generation of entrepreneurs in robotics**

- **Make available the physical and human resources to support commercial exploitation, especially for SMEs and start-ups**

Overview of tasks for WP 4

Task 4.1:

- **Definition of the RIFs and evaluation of proposals for structure and operation, guidelines for use**

- **evaluation parameters, and performance indicators for each of the RIFs**

- **proposed RIF work plans, investment plans, advertising and raising awareness.**

- **two information days for each RIF.**

Overview of tasks for WP 4

Task 4.2:

- **Set-up of the RIFs (identical for each RIF with the same set of deliverables), advertising, addressing different user groups, organising events to make the RIFs known to the public.**

Overview of Tasks for WP 4

Task 4.3:

- Administrative work to handle the applications, selection, prioritisation, and scheduling of engagements.

- The application procedure will be handled centrally for all RIFs, but the assessment will be distributed amongst partners.

Overview of tasks for WP 4

Task 4.4:

- **Operation of the RIFs with user access, balancing the relative importance and temporal priorities of the three types of user groups undertaking the dissemination and awareness plans that was created and organised previously.**
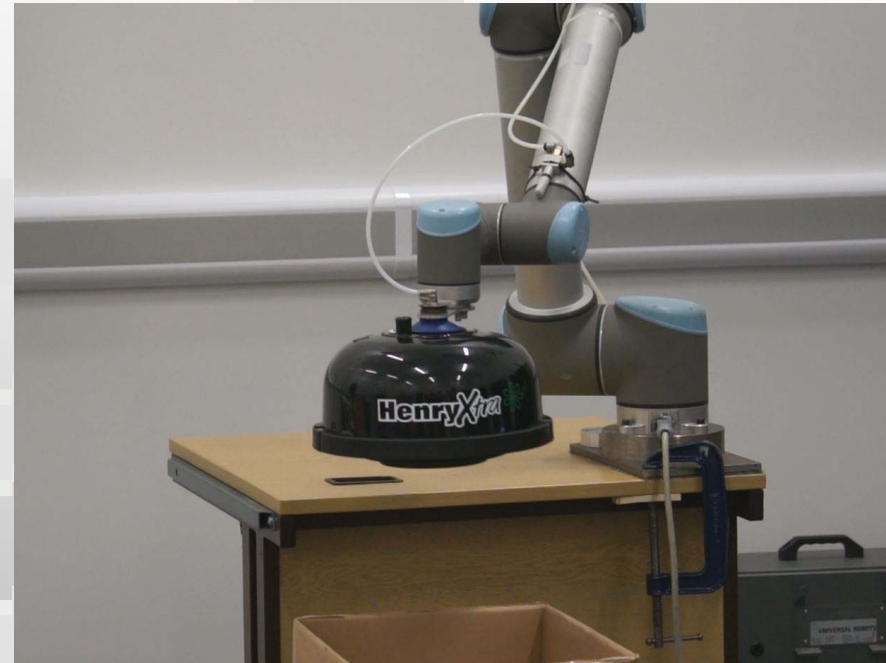

Image source: Tim Reckmann/ pixelio.de

Overview of tasks for WP 4

Task 4.5:
- **RIF process adjustment, following a critical internal review of the procedures, new procedures and modes of operation will be adapted if required after initial phase.**

Overview of tasks for WP 4

Task 4.6:

Results extraction, support the users in a structured way to take the next steps, also to analyse the results of the different users to identify the weaknesses and strengths of the RIF concept for future consideration.
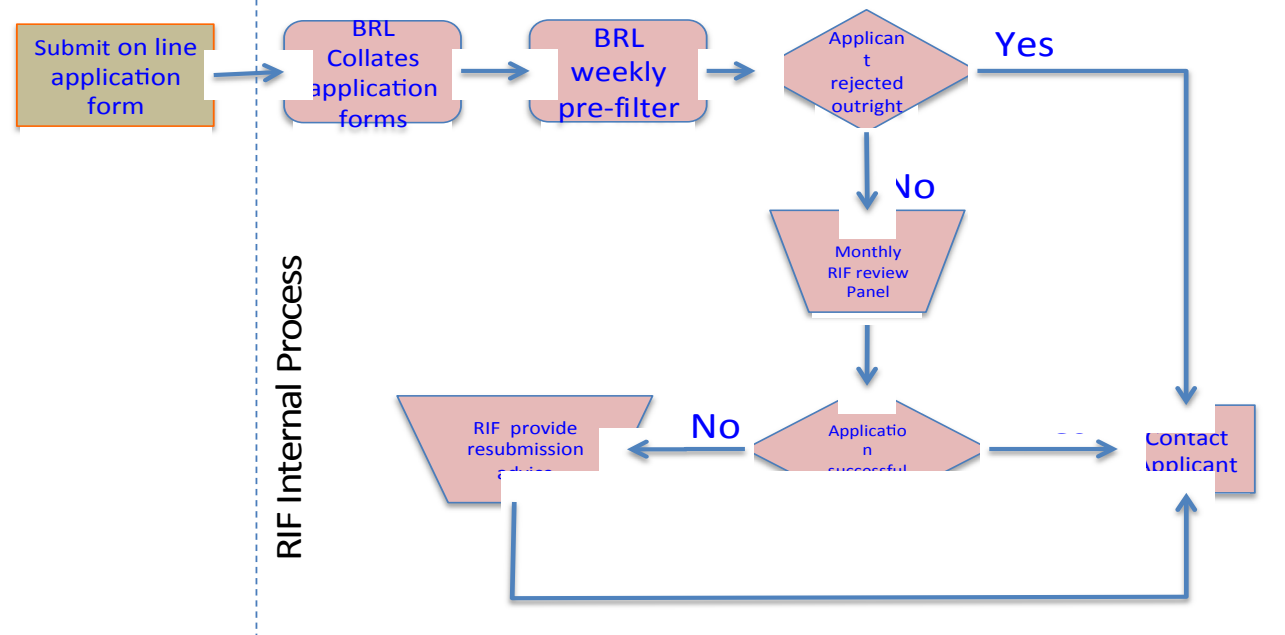
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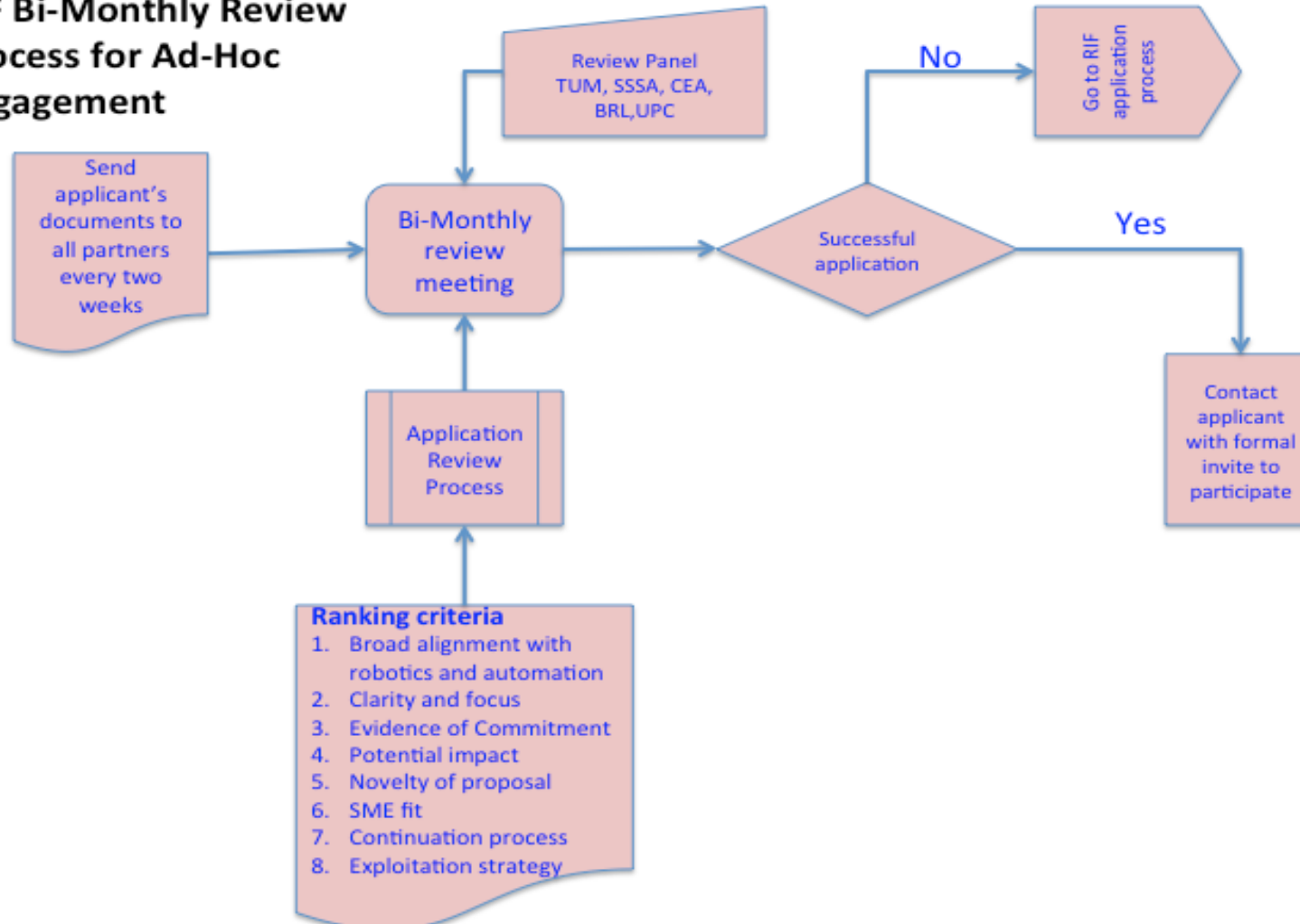
RIF Handbook

ECHORD++ Robotics Innovation Facilities

RIF Application Process

RIF Application Process

RIF Application Process

RIF Bi-Monthly Review Process for Ad-Hoc Engagement

- Send applicant's documents to all partners every two weeks
- Review Panel TUM, SSSA, CEA, BRL,UPC
- Bi-Monthly review meeting
- Successful application — No → Go to RIF application process
- Successful application — Yes → Contact applicant with formal invite to participate
- Application Review Process

Ranking criteria
1. Broad alignment with robotics and automation
2. Clarity and focus
3. Evidence of Commitment
4. Potential impact
5. Novelty of proposal
6. SME fit
7. Continuation process
8. Exploitation strategy

Application Scoring

SCORING CRITERIA FOR RIF APPLICATIONS											
ALIGNMENT WITH ROBOTICS AND AUTOMATION	VERY LITTLE ALIGNMENT										HIGHLY ALIGNED WITH AUTOMATION AND ROBOTICS
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
CLARITY AND FOCUS OF PROPOSED WORK	NOT CLEAR AND NO FOCUS										VERY CLEAR AND HIGHLY FOCUSED
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
EVIDENCE OF COMMITMENT	NO REQUEST FOR STAY OR REGULAR VISIT TO LAB										REQUST FOR STAY IN THE LAB FOR THE DURATION
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
POTENTIAL IMPACT	THERE IS NO POTENTIAL FOR IMPACT										A CLEAR IMPACT IS INDICATED
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
NOVELTY OF PROPOSED WORK	THE WORK HAS NO NOVELTY										THE WORK IS VERY NOVEL
	1	2	3	4	5	6	7	8	9		10
COMMENT											
SIZE OF ORGANISATION	VERY LARGE ORGANISATION										SME
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
CLARITY OF CONTINUATION STRATEGY	NO EVIDENCE OF POSSIBLE CONTIUATION										THERE IS A CLEAR EVIDENCE OF ROUTE FORWARD
	1	2	3	4	5	6	7	8	9		10
COMMENTS											
PRESENCE OF AN EXPLOITATION STRATEGY	NO EVIDENCE OF EXPLOITATION OF POTENTIAL OUTCOME										VERY CLEAR ROUTE TO EXPLOITATION
	1	2	3	4	5	6	7	8	9		10
COMMENTS											

T4.1 First task

ECH RD++

- First Version of the RIF handbook is under final review to be delivered to the commission by 1st November 2014 Submission selection process has been formulated and is undergoing finalalisation
- Over thirty businesses have already engaged with RIFs in Bristol and Paris as part of the Beta trials
- Five Experiments specifically requesting access to Bristol RIF
- Bristol RIF has secured UK funding circa £260k to carry out robotic application for machining timber in collaboration with AAS and assembly automation of vacuum cleaners with Numatic
- Three workshops have been delivered
- Key Performance indicators have been identified and will be monitored to gauge success of RIFs

Summary/Take-away message

The RIF Beta phase operation is has been completed, this has proved very useful in identifying issues and developing solutions; this has included the Hand Book, Project Selection Process, Project Management tool and a large number of engagements with many organisations.