

## Network Action Proposal

Title:	Staff visit to the Intelligent Systems Research Centre at the University of Ulster
Membership number(s)	83
Member name(s)	Carlos Herrera
Member institute/company name(s)	University of Ulster
Goals of the action	<p>To enable a 10 day visit of Dr Fernando Calvo-Redruejo (from the Microbiology and Environmental Techniques, University of Granada) to the Intelligent Systems Research Centre (ISRC) at the University of Ulster.</p> <p>This action is framed in the increasing need to find applications of Cognitive Systems in environmental management and sustainability. Dr. Calvo Redruejo is an expert in Environmental studies and waste plants management and evaluation. His approach has much in common with new trends in Cognitive Science, especially with ideas of embodiment, situatedness and distributed control.</p> <p>This network action would enable Dr. Calvo and Dr Herrera to investigate the synergies between cognitive science, intelligent systems and environmental management. In short, environmental management can benefit from considering entities such as waste plants as cognitive systems, while cognitive science can benefit from considering the importance of sustainability and environmental coupling.</p>
<p>Principal activity to which it contributes</p> <ul style="list-style-type: none"> <li>○ Community Outreach</li> <li>○ Scientific Outlook</li> <li>○ Education &amp; Training</li> </ul>	<ul style="list-style-type: none"> <li>○ <i>Community Outreach:</i> <ul style="list-style-type: none"> <li>- Bridging a relationship between environmental science and cognitive science</li> <li>- Reinforcing research collaboration between ISRC and the University of Granada/</li> </ul> </li> <li>○ <i>Scientific Outlook:</i> <ul style="list-style-type: none"> <li>- To investigate the relationship between new approaches to cognitive science and environmental science.</li> <li>- To investigate the potential application of intelligent systems to the control of waste management plants.</li> </ul> </li> </ul>

<p>Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)</p>	<p>The action will lead to</p> <ul style="list-style-type: none"> <li>● The publication of a white paper on Cognitive and Environmental Sciences, to be published in the EUCognition website</li> <li>● A cognition briefing for the Eucognition wiki (on sustainability)</li> <li>● Foundations for a project on intelligent control of waste management plants</li> </ul>
<p>Effort in person-days that will be charged to the Network Action (if any)</p>	<p>N/A</p>
<p>Expected start and duration in months</p>	<p>The visit would last for 10 days and would be carried early March 2008</p>
<p>The requested funding, under the following headings:</p> <ul style="list-style-type: none"> <li>○ Travel Costs</li> <li>○ Other Costs (check with the Network Coordinator if you aren't sure about eligibility of these costs)</li> <li>○ Labour Costs (identify the number of person-days and the rate per day).</li> </ul>	<ul style="list-style-type: none"> <li>○ Travel costs Approximately €300</li> <li>○ Subsistence cost €1400</li> </ul> <p>Total €1700</p>
<p>Please identify any other sources of funding that contribute to this Action (actions to support events such as workshop and conferences should include an outline budget identifying the total cost)</p>	
<p>Workshops: <i>official euCognition event</i> (yes/no &amp; maximum number of members that can be accommodated)</p>	