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Subject: JASON project

Dear Prof. Glotin,

I express my interest for the project JASON and for joining your team in some specific tasks that are related with research activities we are carrying out within the SABIOD-Italy project we would further develop.

Task 1. Innovative Sensors
Task 2. Classification, Dynamic Passive Tracking
Task 3. Statistical Summary task and communication for managers
Task 4. Platform virtual reality and perception
Task 5: Interaction bioacoustics and behavior

I'm particularly interested in Task 1, where already cooperate with Dodotronic on the development of autonomous smart recorders; on Task 2, in the definition of new classification procedures; and in Task 5, in the understanding of relations among the acoustic environment, our perception and our behavior in relation to perceived sounds.

Considering Task 5, I'm greatly interested in the "quality" of the acoustic environment in which we live and I'm sure that natural sounds, their richness and diversity, their patterns, the alternate pattern of silence and sound, have a positive effect on our emotional state and on our health. Many studies demonstrates that the noise of our daily living produces stress that turns out in increased cardiovascular diseases. The evaluation of the positive effects of natural soundscapes could be an interesting cross-disciplinary field of research, and could help in demonstrating the need of protecting them. The evaluation of the aocustic richness and biodiversity helps in monitoring natural habitats, however, the objective analysis of the "acoustic quality" of natural soundscapes could also be a new approach in evaluating how visitors perceive the quality of nature reserves and national parks.

As for the other tasks, here I list some references about the works we did in recent years. CIBRA main interest is to develop and test sensors/recorders able to collect long term acoustica data, to be used in SABIOD and other projects, and to provide support (our knowledge and experience) in developing data mining and data classification tools.

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Professional CV

Current Position	Pr University of Pavia since 2012 Researcher at the University of Pavia since 2006 President of CIBRA, University of Pavia, since 2007 Teaches "Bioacoustics" at the University of Pavia since 2006 Associate Researcher at INFN-LNS, Catania, since 2004
Research Place	CIBRA - Centro Interdisciplinare di Bioacustica e Ricerche Ambientali Dipartimento di Scienze della Terra e dell'Ambiente Università di Pavia Via Taramelli 24, 27100 Pavia, Italy Phone +39-0382-987874 - Fax +39-02-70032921
Previous Positions	External Researcher at CIBRA, University of Pavia, 1989-2006 Member of the Scientific Committee of CIBRA, 1989-2006 Officier in the Italian Forestry Police, June-December 1994 **NATO Navy Expert** Researcher at the IUAV University of Venice, Teacher of Ecology, Dept. of Urban Science, December 1994 - February 2006