P.O.R. SARDEGNA 2000 - 2006

MISURA 3.13

"RICERCA E SVILUPPO TECNOLOGICO NELLE IMPRESE E TERRITORIO"

SARDEGNA DISTRICT

SUMMER DistrICT CAMP

SET OF RULES

SARDEGNA RICERCHE

SARDINIAN ICT DISTRICT

Located in the area between Cagliari and Pula, the Sardinian ICT District has developed around a group of scientific, technological and entrepreneurial specialists, experienced in the field of Information and Communication Technologies and Internet advanced applications.

The project for the development of the District, aims to create nine "technological laboratories", where scientific and technological activities and experiences of Universities and Research Centres can merge, with the precise intent to start research and development projects at the service of the entrepreneurial world.
The main purposes are the following:

- To create a critical mass of enterprises with a high level of competitiveness
- To appeal and improve scientific and technological excellences
- To create advanced appliances in the following fields: e-tourism, environment, cultural goods, e- learning, edutainment, e-health

Summer Camp: description and purposes

Sardegna Ricerche, in cooperation with CRS4 - Centro di Ricerca, Sviluppo e Studi Superiori in Sardegna - is carrying out a project for a DistrICT Camp, within the activities of the program "Sardegna DistrICT".

The program, called *Summer DistrICT Camp*, has the clear intention to host young people, from all Europe, in the Laboratories of the District, in order to allow them to carry out development projects in the fields of research belonging to the nine Technological Laboratories.
The ICT Laboratories aim at the co-operation between enterprises and innovation and research system, in order to provide technological support and know-how, required for all the activities of the research applied to new entrepreneurial ventures.

Sardegna DistrICT Camp, boasts the experience of Sardegna Ricerche for the support in administrative and accounting matters.

TARGET

Summer DistrICT Camp is dedicated to 25 young people from all Europe, interested in developing innovation projects, applied to the following technological laboratories:

- "Open Media Center" Lab: this Lab is primarily devoted to the development of industrial research projects, mainly in the fields of home entertainment, home automation and human-machine interfaces, based on a SW/HW platform. This platform is an ongoing project that will provide a solution for domotic and home automation
- "Multiplatform TV Programs Lab": this Lab aims to become a referential entity to facilitate the development and experimentation of technologies, applications and services related to the production, personalization, and distribution of multimedia contents, in order to widen TV production and create a platform of "on –demand" contents
- "Production of prototypes and new formats of digital content" Lab: it will promote projects in the field of new media, in order to support small and medium enterprises

with activities of technology transfer, training, experimentation and development of prototypes for the production of multimedia contents and formats

- "Intelligent Ambient" Lab: its mission is to create an outstanding area where development and experimentation of qualified technologies (artificial vision systems, intelligent systems, biometric and multimedia technologies, video surveillance and RFID) can contribute to the creation of intelligent ambient. Lab focuses its activities on the application of these devices to the environmental and IT security
- "GeoWeb and Mobile User Experience": synergy between GPS, Web and geo-referenced data allows the localization of objects and the access to several information. GeoWeb 2.0 will make this service user - friendly, providing the right answer at the right time
- "ICT medicine Lab": this Lab aims to study and develop innovative visual analysis techniques, advanced technologies and sophisticated software in order to obtain data in digital format, to be remotely shared. These new techniques will be applied to the pre-operatory and surgery field
- "Acquisition, Distribution, and Visualization of Complex 3D Models Lab": this Lab in co-operation with ISTI/CNR had developed methods to display and navigate in 3D massive models, which are considered at the state-of-the-art by international research community. The main applications are: 3D acquisitions with laser scanners, storage and distribution of massive 3D models, editing and 3D printing of such models
- "Industrial Telemicroscopy Lab": its goal is to develop an application for the remote control of Scanning Electronic Microscopes (SEM) as a standard for scientific community. It also aims to apply the same principles to a Transmission Electronic Microscopes (TEM) and to other scientific devices, in order to create an unique and standard protocol
- "Open source software" Lab: it will create a group of developers experienced in management and creation of open source projects, to be applied in the fields of school, public administration and Italian companies

Summer DistrICT Camp will provide devices, technological equipment and infrastructures for carrying out Research and Development projects.
Furthermore, everyone will benefit from the constant exchange of ideas and know-how between participants and lecturers across the interdisciplinary curriculum in each Term.

NOTES AND DATES OF THE SUMMER CAMP

Applications for the *Summer DistriCT Camp* are free of charge, board and lodging included. Participants will be allocated in accommodation facilities in Pula. No refund or payment is provided for attending the Camp.
Sardegna Ricerche will pay travel expenses from the city of permanent address of each candidate to Cagliari, and will provide a transfer to the accommodation facility selected.

Summer DistrICT Camp is held in Pula at the Science and Technology Park of Sardinia and runs from September 8 until October 31, 2008, daily.

REQUISITE SKILLS

- Italian citizenship or another EU country
- Age max 30 years
- Attested knowledge of at least one field of the Labs

- Postgraduate education and/or proved professional experience in subjects related to Labs activities
- Good English (written and spoken)
- Good knowledge and experience of: programming languages, operating systems, and SW/HW interfaces of mobile devices

HOW TO APPLY

Candidates should complete (in English or Italian) the application form downloadable from the website www.sardegnaricerche.it, filling in all sections with:

- Personal details
- Subject/field for the research project
- Brief description of a possible project or idea, to be developed into one of the nine Technological Laboratories of the District

Application form should also contain attached:

- CV in English or Italian describing any relevant work experience obtained during studies and/or training periods
- Authorization for the handling of personal data in compliance with the Italian Law (D.Lgs. 196/2003) (see application form)

It would be appreciated a paper from an University Professor or Scientific Referee, proving candidate's experiences and skills in one (or more) subject of the Research Laboratory.

EXCLUSION OPTIONS

- Incomplete application form or not in line with requirements
- Application form submitted after the deadline

Dead line for application: August 29, 2008.

SELECTION

Application form will be selected by the Summer Camp Selection Board.
Members of the board will evaluate educational qualifications, professional experiences, scientific skills in the subjects related to the Research Labs.
After this process, it will be published a ranking.

The Selection Board will have at disposal 40 points:

• Educational qualification	Up to 5 points
• Professional or research experiences in one of the fields related to the Labs	Up to 10 points
• Knowledge and experience of: programming languages, operating systems, and SW/HW interfaces of mobile devices	Up to 20 points
• Outstanding experiences in International contest (Research institutes, Universities, private or public companies)	Up to 5 points

ADDRESSES

Applications should be returned, together with CV and all the enclosures required, to the addresses below:

districtcamp@sardegnaricerche.it, Subject : "SUMMER DISTRICTICT CAMP APPLICATION FORM"

and to :

Sardegna Ricerche
Loc. Piscinamanna, Edificio 2
09010 Pula (Cagliari)- Italy
writing on the envelope **SUMMER DISTRICT CAMP**

For further information please contact:

Dott.ssa Francesca Siriu, Sardegna Ricerche: siriu@sardegnaricerche.it

For further and detailed information about the DistrICT programme, ICT Labs and the territory, please visit the following web sites:

Sardegna Ricerche: http://www.sardegnaricerche.it
DistrICT http://www.sardegnaricerche.it/index.php?xsl=369&s=13&v=9&c=4190&nodesc=2
Pula: http://www.comune.pula.ca.it/