

EDITORIAL. SCIRES-IT, AN ECO-SUSTAINABLE OPEN-ACCESS JOURNAL

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Abstract

SCIRES-IT (SCientific REsearch and Information Technology - *Ricerca Scientifica e Tecnologie dell'Informazione*) is an eco-sustainable Open Access journal providing an international forum for the exchange and sharing of know-how in the areas of Digitalization and Multimedia Technologies and Information & Communication Technology (ICT) in support of Cultural and environmental Heritage (CH) documentation, preservation and fruition. It is a peer-reviewed journal, covered by various indexing and abstracting databases and available online on a semi-annual basis. SCIRES-IT was founded in 2011 by CASPUR-CIBER, under the editorial project “Open Access publications eco-sustainable” for the development of open access publishing and for the preservation and restoration of the natural environment. It puts together the main principles of the Berlin Declaration on Open Access with the aims International Convention on Biological Diversity, fostering the scientific dissemination, the biodiversity awareness, the environment preservation, and the sustainable use of natural resources. For each publication, an action of environmental restoration will be made in protected areas by planting local ecotypes of native species.

Keywords

SCIRES-IT, Editorial, Open Access Journal, Eco-Sustainable Publications

1. SCIRES-IT

From this first issue of Volume 4 of 2014, SCIRES-IT has a new look, a wider international Editorial Board and a new Co-editor-in-Chief, Cristiana Bartolomei, who replaces Francesco Proietti, Director of CASPUR¹ and Editor-in-Chief of SCIRES-IT until 2013.

¹ CASPUR (Consorzio interuniversitario per le Applicazioni di Supercalcolo Per Università e Ricerca) is an Interuniversity Consortium for Supercomputing for University and Research founded in Roma (Italy) in 1992 by four Universities of south-central Italy (la Sapienza University in Rome, the Polytechnic and the University of Bari, the University of Lecce). Over the years, seven other Universities of south-central Italy joined CASPUR. After twenty years of activity aimed at the “exploitation of research for society: scientific computing and technological innovation”, CASPUR flows in CINECA, and in 2013 becomes “CINECA – Operational center of Rome”. The process of merging the consortia CASPUR and CILEA in CINECA was started in 2012 on the initiative of the Ministry for Education University and Research (MIUR) with the goal of having a single legal entity and to equip the national academic system and the search for a technology partner with which to strengthen the international competitiveness of Italy in the field of research and education by improving the efficiency and synergy between organizations and institutions.

SCIRES-IT (SCientific REsearch and Information Technology - *Ricerca Scientifica e Tecnologie dell'Informazione*), e-ISSN 2239-4303, is an Open Access journal providing an international forum for the exchange and sharing of know-how in the areas of Digitalization and Multimedia Technologies and Information & Communication Technology (ICT) in support of Cultural and environmental Heritage (CH) documentation, preservation and fruition. It publishes comprehensive reviews on specific fields, regular research papers and short communications in a timely fashion.

SCIRES-IT is a peer-reviewed journal, it is available online on a semi-annual basis and it is covered by various indexing and abstracting databases.

The Journal was founded in 2011 as an expression of the interest of the ITA² working Group of CASPUR-CIBER³ and it is published by

² ITA is a Technological Innovation and Accessibility working Group promoted by CASPUR-CIBER in 2008 and coordinated by Virginia Valzano.

³ CIBER (Coordinamento Interuniversitario Basi Dati & Editoria in Rete) is an Interuniversity Committee for Database and electronic-publishing, whose members are 27

"CASPUR - CIBER Publishing. Pubblicazioni ecosostenibili"⁴, promoted by the same ITA working Group since 2009.

After the confluence of CASPUR in CINECA, SCIRES-IT is currently hosted by CINECA⁵.

2. The projet OA publications and eco-sustainable

The publishing projet "Publications Open Acces eco-sustainable"⁶ was launched in 2009 in partnership with CASPUR, SIBA⁷ and the Botanical Garden of the University of Salento⁸ for

Italian Universities; it aims at sharing network of electronic resources bibliographical and documentary. CIBER was founded in 1999 by five CASPUR Universities; over the years it has rapidly developed and has become a consolidated structure of CASPUR, evolving and always attentive to technological innovation, a point of reference, in central and southern Italy, to study issues relating to the management of electronic resources and free access to the scientific and academic literature.

⁴ "CASPUR - CIBER Publishing. Pubblicazioni ecosostenibili" is the publishing service offered since 2009 by the CASPUR Consortium for the development of open access publishing and for the preservation and restoration of the natural environment. Under the coordination of Virginia Valzano, it publishes open access scientific, educational and multimedia materials from the Universities within the CASPUR Consortium, and from other public and research institutions. Each publication passes through quality control of scientific committees and referees and is registered into ISSN, ISBN and DOI international directories (see: Proietti, F, & Valzano, V (2011) Editorial. *SCIRES-IT*, 1(1), 1-2). For each publication, an action of environmental restoration is made in protected areas by planting local ecotypes of native species (see: <http://www.ceit-otrantto.it/index.php/editoria-elettronica/100-pubblicazioni-oa>).

⁵ CINECA (<http://www.cineca.it/it>) is a non-profit Consortium, made up of 69 Italian Universities, 2 National Research Institutes and the Ministry of Education, Universities and Research (MIUR). Constituted in Bologna in 1969 (as Interuniversity Consortium for Automatic Computation North-Eastern Italy), today it is the largest Italian computing centre, one of the most important worldwide. After the merger with consortia CASPUR and CILEA, CINECA has become the single point of reference in Italy for technological innovation, with offices in Bologna, Milan and Rome, and work in the service of the whole academic system, education and research national.

⁶ See: <http://www.ceit-otrantto.it/index.php/editoria-elettronica/104-pubblicazioni-oa-info>.

⁷ SIBA (Servizi Informatici Bibliotecari di Ateneo) is the Structure, directed by Virginia Valzano until 2010, which coordinates the Library Computer Services and the Telematic Information System for Research and Education at the University of Salento (see: http://www.ceit-otrantto.it/images/documents/brochure_info_siba.pdf).

⁸ Orto Botanico dell'Università del Salento, <http://www.unisalento.it/web/guest/408>.

the development of open access publishing and for the preservation and restoration of the natural environment.

The following institutions also take part in the project: the Botanical Gardens of the University of Catania⁹, ARIF¹⁰ and ARPA¹¹ Puglia, CSDN¹², CEDAD¹³, the Museum for the Environment¹⁴ and the Laboratory for Zoology e Marine Biology of the University of Salento, and CEIT¹⁵.

The aim of the project is to publish open access scientific and teaching aids in electronic format, through the use of innovative technological systems and international standard formats. For each on line publication an intervention will be planned in the field of environmental restoration in protected or vulnerable areas by the introduction of local ecotypes of native species.

The project "Eco-sustainable OA Publications" allows to know, value, manage and preserve natural and environmental resources, to develop programmes aimed at studying and carrying out interventions of naturalistic recovery, so making possible a policy of improvement of the area involved and a development that is both cultural, economic and eco-sustainable.

It joins the main principles of the Berlin Declaration on Open Acces with the aims of the International Convention on Biological Diversity, fostering the scientific dissemination, the biodiversity awareness, the environmental preservation, and the sustainable use of natural resources.

"Our mission of disseminating knowledge is only half complete if the information is not made

⁹ Orto Botanico dell'Università degli Studi di Catania, <http://www.ortobotanicoitalia.it/sicilia/catania/>.

¹⁰ ARIF Puglia (Agenzia Regionale per le Attività Irrigug e Forestali), <http://www.arifpuglia.it/>.

¹¹ ARPA Puglia (Agenzia Regionale per la Prevenzione e la Protezione dell'Ambiente), http://www.arpa.puglia.it/web/guest/arpa_home.

¹² CSDN (Centro Nazionale Studi di Diritto del Lavoro "D. Napoletano" - Sezioni Lecce-Brindisi, Foggia, Bari, Taranto), <http://www.csdn.it/>.

¹³ CEDAD (Centro di DATazione e Diagnostica) Università del Salento, <http://cedad.unisalento.it/it/>.

¹⁴ Museo dell'Ambiente Università del Salento, http://museobiologiamarina.unisalento.it/home_page.

¹⁵ CEIT (Centro Euromediterraneo di Innovazione Tecnologica per i Beni Culturali e Ambientali e la Biomedicina), <http://www.ceit-otrantto.it/>.

widely and readily available to society.” (Berlin Declaration)¹⁶.

“We can survive as a species only if we live by the rules of the biosphere. The biosphere has enough for everyone’s needs if the global economy respects the limits set by sustainability and justice.” (Vandana Shiva, Indian environmental activist)¹⁷.

3 SCIRES-IT, an eco-sustainable open-access journal

In line with the publishing project “OA publications and eco-sustainable”, for each issue of SCIRES-IT, an action of environmental restoration will be made in protected areas by planting local ecotypes of native species.

On the occasion of the first publications the Botanical Garden of the University of Salento, in agreement with CASPUR-CIBER, planted several specimens of native ecotypes on the degraded dune belt of the Protected Area of Porto Cesareo (LE, Italy) and carried out also an intervention of environmental recovery and of consolidation of the dunes.

In cooperation with ARIF Puglia and of the 3D Lab in Otranto (LE, Italy)¹⁸, a few specimens of native species have been planted in the dune belt in the area of Porto Craulo, City of Otranto.

Moreover an Otranto Botanical Garden has been started next to the building of CEIT and of the 3D Lab in Otranto; it shows fruit-bearing, vegetable and aromatic species typical of the area.

In this same garden, an experiment has been started on the use of a super-absorbing and biodegradable idrogel, in cooperation with Accademia Life Science Feeding Innovation, the Department of Engineering and the Botanical Garden of the University of Salento¹⁹.

On the occasion of the publication of the the latest issues of SCIRES-IT in the CEIT Botanical Garden in Otranto, a few specimens of native

species have been planted that are in the “red list” of plants risking extinction.

For the present issue more specimens of autoctone species under the risk of extinction will be planted in the same Botanical Gardens.

¹⁶ Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities (2003). Retrieved from <http://openaccess.mpg.de/Berlin-Declaration>.

¹⁷ Vandana Shiva (2000), Poverty and Globalization. *Reith, lectures 2000*. Retrieved from http://news.bbc.co.uk/1/hi/english/static/events/reith_2000/lecture5.stm.

¹⁸ See: <http://www.ceit-ottranto.it/index.php/3d-lab-e-infrastruttura-tecnologica>.

¹⁹ See: http://www.ceit-ottranto.it/images/scires-it/idrogel_paper.pdf.

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