



Projects

# Research, technological development & innovation projects in which CESGA actively participated in 2008

During 2008, CESGA's activity in RTD and Innovation Projects was very intense, with notable results. In total, CESGA directed or collaborated in more than 40 proposals for regional, national, or international projects.

The achievement in 2008 of two European Union VII Framework Programme projects and the continuation of a project under the PROFIT programme are all noteworthy. In addition, the success rate of project proposals resolved this year was very high (73%). All of that was accomplished while constantly attending to the development of the projects in progress such as EGEE, e-IMRT, or int.eu.grid, in which important goals were achieved.

The GIS, e-Learning & Collaboration Tools, and Technology Transfer & e-Business departments increased their activity in projects in 2008. These departments have entered joined new project consortiums and have successfully continued work in projects in progress.

Activity regarding the creation and participation in regional, national, and international networks has been equally important. In the following pages a list of the research, technological development and innovation projects in which CESGA participated in 2008 is detailed.

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## COMPUTING

### Enabling Grid for E-SciEnce III (EGEE III)

**Partners:** CERN, JKU, KFKI-RMKI, CESNET, II SAS, JSI, CYFRONET, SRCE, FOM, VUB, FZK, SWITCH, CNRS, CGGV, INFN, ED, TRUST-IT, UH.HIP, CSC, SIGMA, VR-SNIC, RRC KI, GRNET, IPP BAS, UCY, TAU, ICI, IPB, TUBITAK, LIP, IFAE, TCD, STFC, DANTE, KEK, ASGC, KISTI, CNU, UNIMELB, WISCONSIN SYSTEM, RENCI, BT-IC.

**Coordinator:** B. Jones, CERN

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** European Commission: Information Society Technologies Programme.

**Project Code:** INFISO-RI-222667

**Budget:** 218,000.00 €

**Period:** 2008-2010

**Objectives:** This is the third phase of the deployment of a global GRID infrastructure accessible to researchers and businesses 24 hours a day. The objective is to provide researchers with access to important computational resources, independent of their geographical location.

### Improvement of Memory Usability and Performance (HP UPC)

**Partners:** CESGA, UDC, USC

**Coordinator:** I. López Cabido, CESGA

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** Research Contract (Subject to an Agreement of Confidentiality)

**Project Code:** HP-001

**Budget:** 84,007.00 €

**Period:** 2008-2011

**Objective:** To improve the usability and productivity of UPC.

### Hardware Counters Use to improve Memory Performance (HP Counters)

**Partners:** USC, UDC, HP, and CESGA

**Coordinator:** C. Fernández Sánchez, CESGA

**Principal Researcher:** C. Fernández Sánchez, CESGA

**Financing:** Research Contract (Subject to an Agreement of Confidentiality)

**Project Code:** HP-002

**Budget:** 91,903.00 €

**Period:** 2008-2011

**Objective:** To improve memory performance.

## EELA2

**Partners:** IBBM, IFLP/UNLP-CONICET, III-LIDI / UNLP, INIFTA / UNLP-CONICET, INNOVARED (NREN), INSIBO / UNT, LINTI / UNLP, LISiDi / UNS, UBA, CBPF, CCE / USP, CEFET-RJ, FCM / UERJ, FIOCRUZ, IF / USP, IME, INCOR, INPE, LNCC, ON, RNP (NREN), SPRACE / UNESP, UFCG, UFF, UFJF, UFMS, UFRGS, UFRJ, UFSM, UnB, UNILASALLE, UNISANTOS, CEAZA-USERENA, CMM-UCHILE, PUC, REUNA, UDEC, UFRO, UTALCA, UTFSM, UVALPARAISO, UNIANDES, UNIV. ANTIOQUIA, INAMHI / INOCA, IPGP, INFN, UNAM, CIP, IGP, PUCP, SENAMHI, UNT, UPCH, USMP, U. AVEIRO, U. MINHO, U. PORTO, CRMPA (INFN third party), DOCEBO (Italy), GFI (Spain), INSA (Spain), MAAT (Spain), CESSGA, CIEMAT, DGSP / CSISP, DTIS-LVG, DVA, RED.ES (NREN), SATSI, UC, UCM, UEX, UPV, ULA, USB.

**Coordinator:** Bernard Maréchal, CETA-CIEMAT / UFRJ (Spain/ Brazil)

**Principal Researcher:** I. López Cabido, CESSGA

**Financing:** The European Commission - VII Framework Programme

**Project Code:** EU-FP7-223797

**Budget:** 66,000.00 €

**Period:** 2008-2010

**Objective:** To construct a grid infrastructure that is scalable and has high quality and production capacity based on the existing EELA e-infrastructure installation grid. The new grid will be capable of providing 24 hour a day access to distributed computing, storage, and network resources for an ample spectrum of applications for the European and Ibero-American research communities.

## Support Technicians II

**Partners:** CESSGA

**Coordinator:** C. Fernández Sánchez, CESSGA

**Principal Researcher:** C. Fernández Sánchez, CESSGA

**Financing:** The Ministry of Science and Innovation

**Project Code:** PTA2007-0375-I

**Budget:** 54,000.00 €

**Period:** 2008-2011

**Objectives:** Support Technicians II, Ministry of Science and Innovation.

## Development of the Second-level (Tier-2) Spanish Centre for the processing of Particles IV

**Partners:** USC and CESSGA

**Coordinator:** J. J. Saborido Silva, University of Santiago de Compostela, USC

**Principal Investigator:** C. Fernández Sánchez, CESSGA

**Financing:** The Ministry of Science and Innovation

**Project Code:** FPA2007-66437-Co2-02

**Budget:** 13,797.00 €

**Period:** 2007-2010

**Objective:** The launching of a GRID infrastructure for CERN's LHCb experiment.

## int.eu.grid

**Partners:** IFCA, LIP (Portugal), Poznanskie Centrum superkomputerowo Sieciowe (Poland), Forschungszentrum Karlsruhe (Germany), UAB, CYFRO-NET AGH (Poland), GUP (Austria), Trinity College (Ireland), II SAS (Slovak Republic), ICM (Poland), BIFI (Spain), HLRS (Germany) and CESSGA

**Coordinator:** J. Marco de Lucas, Instituto de Física de Cantabria, IFCA-CSIC

**Principal Researcher:** C. Fernández Sánchez, CESSGA

**Financing:** The European Commission - VI PM-EU I3

**Project Code:** 031857

**Budget:** 114,000.00 €

**Period:** 2006-2008

**Objectives:** To launch, maintain, and operate a quality GRID infrastructure in order to provide service to communities of researchers with interactive applications that have a high computational demand.

## Enabling Grid for E-SciEnce II (EGEE-II)

**Partners:** AGSC, BME, BT-IC, CEA, CERN, CESSGA, CESNET,

CGG Services, CIEMAT, CKSC, CNES, CNR-ITB, CNRS, CRSA, CSC, CSIC, CYFRONET, DANTE, DESY, DFN, DKRZ, ELETTRA, ELSAG DATAMAT, ENEA, ETHZ(CSCS), FhG/SCAI, FOM, FZJ, FZK, GARR, Glasgow, GRNET, GSI, HEALTHGR ID, ICI, IHEP, IISAS, IMPB RAS, Imperial, INFN, IPB, IPP-BAS, ITEP, JINR, JKU, JSI, KFKI-RMKI, KIAM RAS, KISTI, KTH, LIP, MTA SZTAKI, MTW, NIIF, Oxford, PIC, PNPI, PSNC, RED.ES, RENCI, RRC KI, RUG, SARA, SINP MSU, SRCE, STFC, SWITCH, TAU, TCD, TID, Trust-IT, TUBITAKULAKBIM, UChicago, UCM, UCY, UEDIN, UH-HIP, UiB, UIBK, UKBH, ULB, UNICAL, UNILE, UNIMAN, UNINA, UNIZAR, UPV, USCUvA, UW, UWisc-Madison, VR.

**Coordinator:** Bob Jones, CERN

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** Information Society Technologies Programme (EU)

**Project Code:** INFISO-RI-031688

**Budget:** 182,530.00 €

**Period:** 2006-2008

**Objective:** This is the second phase of the deployment of a global GRID infrastructure that is available to researchers and businesses 24 hours a day. The objective is to provide researchers with access to important computing resources independent of their geographic location.

### Development of 2nd and 3rd level Spanish Centres (Tier-2 and Tier-3) for the processing of experimental data (Particles III)

**Partners:** USC and CESGA

**Coordinator:** J.J. Saborido Silva, Universidade de Santiago, USC

**Principal Researcher:** C. Fernández Sánchez, CESGA

**Financing:** Ministry of Science and Innovation

**Project Code:** FPA2005-07761-Co2-02

**Budget:** 11,550.60 €

**Period:** 2005-2008

**Objectives:** The launching of a GRID infrastructure in Spain for the CERN-LHCd experiment.

### The Consolidation and Structure of Competitive Research Units of the Galician I+D+i System (unid-inv-08)

**Partners:** CESGA

**Coordinator:** J. García Tobío, CESGA

**Principal Researcher:** J. García Tobío, CESGA

**Financing:** Xunta de Galicia

**Project Code:** INCITEo8ENA704088ES

**Budget:** 128,295.00 €

**Period:** 20/10/2008-21/11/2008

**Objectives:** Aid for research group consolidation.

### Moving CSEGA forward as a Research Centre of Excellence (NextCESGA)

**Partners:** CESGA

**Coordinator:** J. García Tobío, CESGA

**Principal Researcher:** J. García Tobío, CESGA

**Financing:** European Commission, VII Framework Programme

**Project Code:** FP7-203135

**Budget:** 138,316.00 €

**Period:** 2008-2009

**Objectives:** To produce a SWOT Analysis (Strengths, Weaknesses, Opportunities, and Threats) of CESGA and to define an Action Plan to move CESGA forward as a research centre of excellence.

### BEinGRID. Business experiment for the improvement of IMRT planning (Intensity-modulated Radiotherapy) using on demand GRID services with service level agreements (SLAs)

**Partners:** Over 100 research groups from Universities, Research & Technology Centres

**Coordinator:** Santiago Ristol, ATOS Origin

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Galician Regional Government, Xunta de Galicia

**Project Code:** PGIDIT04CS0137030PR

**Budget:** 54,600.00 €

**Period:** 2008-2009

**Objective:** The proposed business experiment is designed to integrate the solution in a GRID environment, adding a service-level agreement and security from beginning to end. These aspects will support the common components of BEinGRID, permitting possible providers to obtain more computing resources in order to confront periods of peak demand. The final objective of the project is to offer BEinIMRT services to many European hospitals based on a pay-per-use or a flat rate payment system.

### SmartLM. Grid-friendly software licensing for location independent application execution

**Partners:** Noesis Solutions NV, Belgium, L.M.S.-Systems BVBA, Belgium, Intes-Ingenieuresgesellschaft Fuer Technische Software MBH, Germany, Gridcore AB, Sweden, L.M.S.

International NV, Belgium, Cineca Consorzio Interuniversitario, Italy, Fundación Centro Tecnológico de Supercomputación de Galicia, Spain, The 451 Group Limited, United Kingdom, Forschungszentrum Juelich GMBH, Germany, T-Systems Solutions for Research GMBH, Germany, ANSYS Germany GMBH, Germany, LMS Numerical Technologies, Belgium, Fraunhofer-Gesellschaft Zur Foerderung der Angewandten Forschung E.V, Germany.

**Coordinator:** J. Martrat, ATOS

**Principal Researcher:** A. Gómez Tato, CESGA.

**Financing:** European Commission – VII PM

**Project Code:** 216759

**Budget:** 153,323.75 €

**Period:** 2008-2010

**Objectives:** SmartLM will provide a concession of generic, flexible licenses for a new virtualisation technology service oriented toward those business models through the limits of the organisation.

#### Finis Terrae Socio-economic Impact Study (ICTS-Impacto)

**Partners:** CESGA

**Coordinator:** J. García Tobio, CESGA

**Principal Researcher:** A. Gomez Tato, CESGA

**Financing:** Ministry of Science and Innovation

**Project Code:** CAC-2007-54

**Financing:** 68,000.00 €

**Period:** 2007-2008

**Objectives:** This is a socio-economic analysis of the impact of the installation of Finis Terrae.

#### Qualified Electronic Signature Infrastructure – IfeC

**Partners:** Aldaba Servicios Profesionales, Aldaba Soluciones y Proyectos SL, UVIGO, and CESGA

**Coordinator:** J.A. Castelao Boo, Aldaba Servicios Profesionales

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Centre for Technological and Industrial Development (CDTI) and the Government of Galicia (Xunta de Galicia)

**Project Code:** FIT-360000-2007-14

**Budget:** 19,978.70 €

**Period:** 2007-2008

**Objectives:** This study of the design and development of a Qualified Electronic Signature Infrastructure (IFeC), sustained on the Management of Privileges Infrastructure (PMI)

and a Time Seal Authority (TSA), permits its easy inclusion in applications that require authorisation control such as in management environments of corporate authorisations.

#### g-fluxo

**Partners:** CESGA

**Coordinator:** J. López Cacheiro, CESGA

**Principal Researcher:** J. López Cacheiro, CESGA

**Financing:** Regional Government of Galicia, Xunta de Galicia

**Project Code:** 07SIN001CT

**Budget:** 49,220.00 €

**Period:** 2007-2009

**Objectives:** This is a utility for the development of work flows for distributed computing that permits the use of different applications and existing computing resources at CESGA or that are accessible by way of the GRID as a unique environment.

#### Qualified Electronic Signature Infrastructure (ISEC)

**Partners:** Aldaba Servicios Profesionales, Aldaba Soluciones y Proyectos SL, UVIGO, and CESGA

**Coordinator:** A. Gómez Tato, CESGA

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Xunta de Galicia

**Project Code:** 07SIN012CT

**Budget:** 147,338.00 €

**Period:** 2007-2009

#### A Virtual Laboratory for the National Oceanographic Remote Sensing Network (RETELAB)

**Partners:** USC, AZTI, ICCM, and CESGA

**Coordinator:** J.M. Cotos Yáñez, Universidade de Santiago (USC)

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** Spanish Ministry of Science and Innovation

**Project Code:** ESP2006-13778-CO4

**Budget:** 114,950.00 €

**Period:** 2006-2009

**Objectives:** The development of a collaborative and distributed work environment that constitutes a virtual laboratory for the development of interdisciplinary projects related to oceanographic remote sensing.

### Advanced Planning Systems for Radiotherapy by means of Computing Environments (e-IMRT)

**Partners:** CESGA, USC, and UVIGO

**Coordinator:** A. Gómez Tato, CESGA

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Regional Government of Galicia, Xunta de Galicia

**Project Code:** PGDIT05SIN00101CT

**Budget:** 38,775.00 €

**Period:** 2005-2008

**Objectives:** The e-IMRT project has produced new remote services for the planning of radiotherapy treatments that require high computational capacity. The services developed include a verification system of treatment plans based on Monte Carlo techniques as well as a search service designed to search for optimal plans for a treatment.

### Support technicians for R&D infrastructures. Technicians: MCYT

**Partners:** CESGA

**Coordinator:** I. López Cabido, CESGA

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** Ministerio de Ciencia e Innovación

**Budget:** 210,823.20 €

**Period:** 2005-2008

**Objectives:** Grant for hiring research infrastructure support technicians.

### INGENIO MATHEMATICA (i-MATH)

**Partners:** Universidad de Almería, Universidad de Cádiz, Universidad de Granada, Universidad de Jaén, Universidad de Málaga, Universidad de Sevilla, Universidad de Oviedo, Universidad de Zaragoza, Universidad de Islas Baleares, Universidad de La Laguna, Universidad de Las Palmas de Gran Canaria, Universidad de Cantabria, Universidad de Castilla - La Mancha, Universidad de León, Universidad de Burgos, Universidad de Salamanca, Universidad de Valladolid, ICREA, Universidad de Barcelona, Universidad de Lleida, Universidad, Autónoma de Barcelona, Universidad Politécnica de Cataluña, Universidad de Girona, Universidad de Extremadura, Universidad de Santiago de Compostela, Universidad de A Coruña, Universidad de Vigo, Universidad de Alcalá, Universidad de Autónoma de Madrid, CSIC, INTA, Universidad Carlos III de Madrid, Universidad Complutense de Madrid, Universidad Nacional de Educación a Distancia,

Universidad Politécnica de Madrid, Universidad Rey Juan Carlos, Universidad de Murcia, Universidad de Navarra, Universidad Pública de Navarra, Universidad del País Vasco, Universidad de la Rioja, Universidad de Alicante, Universidad Jaume I de Castellón, Universidad Miguel Hernández de Elche, Universidad Politécnica de Valencia, and Universidad de Valencia.

**Coordinator:** M. A. López-Cerdá, Universidad de Alicante

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Ministerio de Ciencia e Innovación

**Project Code:** CSD2006-00032

**Budget:** 7,500,000.00 €

**Period:** 2006-2011

**Objectives:** This Ingenio-Consolider Project is designed to quantitatively and qualitatively increase the presence of Mathematics in science, technology, and innovation.

### NETWORK COMMUNICATIONS

#### OPERA OBERTA

**Partners:** USC, UVIGO, UDC, UMINHO, and CESGA.

**Coordinator:** Liceu de Barcelona

**Principal Researcher:** Spanish Ministry of Education

**Period:** Indefinite

**Objectives:** The live multicast of operas from the Liceo in Barcelona to the participating universities, to be used as educational resources.

#### A distributed system for the massive synthesis of interactive TV channels using real time coding in Gpus

**Partners:** UDC, CESGA

**Coordinator:** V. M. Gulías Fernández, UDC.

**Principal Researcher:** López Cabido, CESGA.

**Financing:** Regional Government of Galicia, Xunta de Galicia.

**Project Code:** (PGIDIT07TIC005105PR).

**Budget:** 96,002.00 €

**Period:** 2007-2010.

**Objectives:** The utilisation of the processing capacities of graphic cards in order to codify multiple streams of video for network transmission.

### Platform for the Analysis of Telecommunications Services – PASITO

**Partners:** RedIRIS, CESCA (Centre de Supercomputació de Catalunya) CESGA (Centro de Supercomputación de Galicia), CICA (Centro Informático Científico de Andalucía), I2BASK (Red Académica Vasca), Universidad del País Vasco (UPV/EHU), Fundación I2CAT, Grupo de Red del IMDEA (Instituto Madrileño de Estudios Avanzados), Universidad Autónoma de Madrid (UAM), Universidad Carlos III de Madrid (UC3M), Universidad de Granada (UGR), Universidad de Murcia (UMU), Universidad Politécnica de Cataluña (UPC), Universidad Politécnica de Madrid (UPM), Universidad Politécnica de Valencia (UPV), and Universidad de Vigo (UVIGO).

**Coordinator:** RedIRIS

**Principal Researcher:** I. López Cabido, CESGA

**Financing:** Ministerio de Industria, Turismo y Comercio.

**Budget total:** 705,000.00 €

**Periodo:** 2008 – 2009.

**Objectives:** The launching of a national communications network for the testing of new services.

## GEOGRAPHIC INFORMATION SYSTEMS

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### GIS Archaeological Patrimony 2008 - GIS-Patrimo8

**Partners:** Xunta de Galicia and CESGA

**Coordinator:** F. Landeira Vega, CESGA

**Principal Researcher:** F. Landeira Vega, CESGA

**Financing:** Regional Government of Galicia, Xunta de Galicia

**Budget:** 4,708.00 €

**Period:** 2008

**Objectives:** The development of tools and technical assistance in GIS for the Archaeological Service of the office of the Director General for Patrimony.

### The generation of GIS contents for Project Terra - GIS-TERRA

**Partners:** IDEGA and CESGA

**Coordinator:** F. Landeira Vega, CESGA

**Principal Researcher:** F. Landeira Vega, CESGA

**Budget:** 11,875.00 €

**Period:** 11/04/2008-19/12/2008

**Objectives:** The generation of GIS contents for the educational material for Project Terra of the Galician Architects Professional Association.

### Archaeological Patrimony - GIS-Patrimo7

**Partners:** Xunta de Galicia, CESGA

**Coordinator:** F. Landeira Vega, CESGA

**Principal Researcher:** F. Landeira Vega, CESGA

**Financing:** Xunta de Galicia

**Budget:** 10,930.00 €

**Period:** 2007-2008

**Objectives:** The elaboration of the 6th phase of a geographic information system applied to the management and analysis of cultural patrimony.

### GIS-SIFI

**Partners:** CIS Madera and CESGA

**Coordinator:** X.F. Pedras Saavedra, CIS Madera

**Principal Researcher:** F. Landeira Vega, CESGA

**Financing:** Xunta de Galicia

**Project Code:** PGIDIT06RF000301CT

**Budget:** 28,750.00 €

**Period:** 2006-2009

**Objectives:** Elaboration of a geographic information system for the industrial forestry sector of Galicia.

### GIS analysis of environmental risks - GIS-RIESGOS M.A.

**Partners:** CIS Deseño e Tecnoloxía, USC, and CESGA

**Coordinator:** J. Aneiros, CIS Deseño e Tecnoloxía

**Principal Researcher:** F. Landeira Vega, CESGA

**Financing:** Xunta de Galicia

**Project Code:** PGDIT05TAM00201CT

**Budget:** 51,260.00 €

**Period:** 2005-2008

**Objectives:** The development of a geographic information system for the study of possible areas of impact regarding various environmental risks.

## E-LEARNING & COLLABORATION TOOLS

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### Standards based Intermediation System for the Search for Personalised Courses Using Semantic Technologies - eProcura

**Partners:** UVIGO and CESGA

**Coordinator:** M. J. Rodríguez Malmierca, CESGA

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** Xunta de Galicia

**Project Code:** 08SIN004CT

**Budget:** 109,494.95 €

**Period:** 2008-2011

**Objectives:** The design, development, and launch of an intermediation system specifically oriented toward the personalised search and localisation of courses that permits those in search of training to unveil all the offer available on the Web and to select that which is of real interest

#### Application of Pedagogical Competencies and Skills for Teachers – ICTeachers

**Partners:** Die Berater (Coordinator), Österreichische Computer Gesellschaft (Austria), Universidade de Santiago de Compostela (Spain), Centro de Supercomputación de Galicia (Spain), Westminster Business School, University of Westminster (U.K.), VIA University College-Læreruddannelsen i Århus (Denmark), y Nyugat-magyarországi Egyetem, Információs Társadalom Oktató és Kutató Csoport (Hungary).

**Coordinator:** M. Röhsner, die Berater

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** European Commission - Lifelong Learning Programme

**Project Code:** 141882-2008-LLP-AT-COMENIUS-CM

**Budget:** 22,792.00 €

**Period:** 2008-2010

**Objectives:** This project is designed to improve the ICT competencies and skills that Primary and Secondary Teachers have (at a European level) for which the main goal is to promote ICT use in primary and secondary education and, as a consequence, improve the quality of teaching and learning.

#### Standards based e-Learning Services Integration – SUMA2

**Partners:** Tecsidel, CESGA, Germinus, ATOS Origin, OpenTrends, GEC, UPCNet, Inter On Line, IOL, UOC, UVIGO, and UFV.

**Coordinator:** P. Artiga Calvo, Tecsidel S.A

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** Spanish Ministry of Industry, Tourism and Commerce (Plan Avanza)

**Project Code:** TSI-020301-2008-9

**Budget:** 12,887.00 €

**Period:** 2008-2009

**Objectives:** Services of integration for e-learning based on standards. This is a strategic project of the e-learning work group of the INES technological platform.

#### T-Maestro

**Partners:** UVIGO and CESGA

**Coordinator:** M.J. Rodríguez Malmierca, CESGA

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** Regional Government of Galicia, Xunta de Galicia

**Project Code:** 07TIC02CT

**Budget:** 108.054,00 €

**Period:** 2007-2010

**Objectives:** An intelligent tutor for the production of personalised learning contents adaptable to T-learning and M-learning on MHP and DVB-H.

#### Parents as family vocational adviser for children - PARENTS

**Partners:** Academy of Management (Poland), University of Oradea (Romania), Die Berater (Austria), Training 2000 (Italy), Associació Baobab (Spain), and CESGA (Spain)

**Coordinator:** Academy of Management

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** European Commission, Socrates-Leonardo Programme

**Project Code:** 134247-LLP-2007-1-PL-Grundtvig-GMP

**Budget:** 39,681.00 €

**Period:** 2007-2009

**Objectives:** The application of a methodology and specific ITC tools in order to provide support to parents in their role as advisors to their children regarding work and studies.

#### Red Latinoamericana de Capacitacion para la Industria Lactea - REDLECHE

**Partners:** USC, FEPALE y CESGA

**Coordinator:** J.M. Dónega, USC

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** Collaboration Agreement with the Galician Regional Government, Xunta de Galicia

**Budget:** 5,514.00 €

**Period:** 2007-2009

**Objectives:** Skill building for the Latin American dairy industry.

#### Youth Employment Support - YES

**Partners:** Die Berater (Austria), Local Mission Agenais and Albret (France), Glotta Nova (Slovenia), Further Training Centre for the Saxonian Economy (Germany), Transfer



(Slovakia), Reflexion Foundation (Netherlands), Meter Silesia (Czech Republic), and CESGA (Spain).

**Coordinator:** Die Berater

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** European Commission, Socrates-Leonardo Programme

**Project Code:** LLP-LdV/TOI/2007/AT/0003

**Budget:** 29,248.00 €

**Period:** 2007-2009

**Objectives:** The design and provision of a support system based on ICT such as specific e-learning training for SME in order to try to improve the incorporation of youth who have not finished their studies into the workplace. This will include the analysis and the evaluation of e-learning models and will adequate the ITC to this context.

#### Standards based e-Learning Services Integration - SUMA

**Partners:** Tecsidel, CESGA, Germinus, ATOS Origin, OpenTrends, GEC, UPCNet, Inter On Line, IOL, UOC, UVIGO, UFV

**Coordinator:** P Artiga Calvo, Tecsidel S.A

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** Spanish Ministry of Industry, Tourism, and Commerce (Plan Avanza)

**Project Code:** FIT-350503-2007-8

**Budget:** 13,313.00 €

**Period:** 2007-2008

**Objectives:** Integration of e-Learning services based on standards. This is a strategic project of the e-learning work group of the INES technological platform.

#### E-intervention

**Partners:** CESGA, USC, and UVIGO

**Coordinator:** A. Gómez Tato, CESGA

**Principal Researcher:** A. Gómez Tato, CESGA

**Financing:** Galician Regional Government, Xunta de Galicia

**Project Code:** PGIDIT05TIC00101CT

**Budget:** 70,000.00 €

**Period:** 2006-2009

**Objectives:** The development of a technological platform for at-home gerontological attention.

#### Flexible and creative educational environments – EFELCREN

**Partners:** USC (Spain), Trinity College (Ireland), Centre of Information Technology (Lithuania), Ca'Foscari University

of Venice (Italy), Haslev Seminarium (Denmark), Euneos Corporation (Finland), and CESGA (Spain)

**Coordinator:** B. Cebreiro López, USC

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** European Commission, Socrates-Comenius Programme

**Project Code:** 226552-CP-1-2005-1-ES-COMENIUS-C21

**Budget:** 54,625.00 €

**Period:** 2005-2008

**Objectives:** The analysis and development of training proposals for flexible and creative educational environments in primary and secondary education. This will be accomplished by the use of the new ICT and the identification of new teaching strategies. Within the project, we also contemplate the creation of e-learning materials as well as making those resources available to teachers.

#### e-learning opportunities for adult patients during hospitalisation in health-care institutions - e-HOSPITAL

**Partners:** Die Berater (Austria), Danube University Krems (Austria), ORT (France), Training Centre of the Saxonian Economy (Germany), Academy of Humanities and Economics (Poland), USC and CESGA (Spain)

**Coordinator:** H Bienzle, Die Berater

**Principal Researcher:** M. J. Rodríguez Malmierca, CESGA

**Financing:** European Commission, Socrates-Grundtvig Programme

**Project Code:** 225761-CP-1-2005-1-AT-GRUNDTVIG-G1

**Budget:** 42,415.00 €

**Period:** 2005-2008

**Objectives:** The analysis of the application of e-learning techniques to adult patients hospitalised for long periods of time and to the production of guides and tools for teachers that work in this environment.

#### TECHNOLOGY TRANSFER & E-BUSINESS

##### Improving regional policies related to innovation and the knowledge economy priority – ICHNOS PLUS

**Partners:** ANCITEL SARDEGNA, CESGA, VYSOCYNA, NORTH AEGEAN REGION, TARTU SCIENCE PARK, RUDA SLASKA INCUBATOR

**Coordinator:** P. P. Falco, Ancitel Sardegna

**Principal Researcher:** R. Basanta Cheda, CESGA

**Financing:** INTERREG

**Project Code:** 0415C1 – ICHNOS PLUS

**Budget:** 198,000.00 €

**Period:** 2008-2010

**Objectives:** The basic objectives of ICHNOS PLUS are the optimisation of the application of this model to the three regions that are working on ICHNOS as well as the effectiveness of the transfer and deployment in other European regions.

#### **VINDEIRA: Strategic associative action to improve the VG-CMMI software processes**

**Partners:** SUMMA, Servicios de Ingeniería y Consultores SA, Brújula Telecom SA, AT4.Net Internet y Comunicación SL, ALTIA Consultores, Bahía Software SL, IGALIA SL, Aldaba Servicios Profesionales, LAMBDASTREAM SL, SATDATA Telecom SL, 2mares demil SL, Shylex Telecomunicaciones SL, Optare Solutions SL, Factoría de Software y Multimedia SL, and CESGA

**Coordinator:** R. Basanta Cheda, CESGA

**Principal Researcher:** R. Basanta Cheda, CESGA

**Financing:** Ministerio de Industria, Turismo y Comercio

**Project Code:** FIT-340502-2007-10

**Budget:** 62,700.00 €

**Period:** 2007-2008

**Objectives:** This is an associative strategic action orientated to technological excellence in the development of software by means of quality certification models (CMMI, SPICE).

#### **Optimum design of the architecture of livestock exploitations' integral veterinary control system - XesveTIC**

**Partners:** COMPUTER-3 S.L., CESGA, and AGACA

**Coordinator:** C. Diaz Carrodeaguas, COMPUTER-3, S.L.

**Principal Researcher:** R. Basanta Cheda, CESGA

**Financing:** Galician Regional Government, Xunta de Galicia

**Project Code:** 07MRU029E

**Budget:** 5,282.00 €

**Period:** 2007-2009

**Objectives:** This is an optimum design for the architecture of an integral veterinary control system for livestock operations.

#### **Joint Cooperatives Management – CoopTIC**

**Partners:** Galician Association of Agrarian Cooperatives, Computer-3 y CESGA

**Coordinator:** Computer-3, S.L

**Principal Researcher:** R. Basanta Cheda, CESGA

**Financing:** Galician Regional Government, Xunta de Galicia

**Project Code:** PGIDITo6RAGO25E

**Budget:** 24,000.00 €

**Period:** 2006-2008

**Objectives:** The objective is to conduct research in order to determine the optimal design of the architecture of a system that permits product tracing for agricultural cooperatives.

#### **VG-CMMI-SPICE**

**Partners:** CESGA, SUMMA, Servicios de Ingeniería y Consultores S.A., Brújula Telecom S.A., AT4.Net Internet y Comunicación S.L., ALTIA Consultores S.L., BAHIA Software S.L., IGALIA S.L., ALDABA Servicios Profesionales, LAMBDASTREAM S.L., SATDATA Telecom S.L., 2MARES DEMIL S.L., SHYLEX Telecomunicaciones S.L., OPTARE Solutions S.L., and Factoría de Software e Multimedia S.L.

**Coordinator:** R. Basanta, CESGA.

**Principal Researcher:** R. Basanta, CESGA.

**Financing:** Spanish Ministry of Industry, Tourism, and Commerce.

**Total Budget:** 670,754.00 €

**Budget CESGA:** 62,802.00 €

**Period:** 2007 - 2009

#### **RESEARCH NETWORKS & TECHNOLOGICAL PLATFORMS IN WHICH CESGA ACTIVELY PARTICIPATED IN 2008**

##### **CAPAP-H**

##### **High Performance Computing Network on heterogeneous parallel architectures**

**Members:** 13 research groups from Spanish Universities and CESGA

**Coordinator:** Enrique S. Quintana-Ortí, Universidad Jaime I de Castellón

**Financing:** Ministerio de Ciencia e Innovación

**URL:** <http://capap-h.uji.es/>

**Objectives:** The objectives include the facilitation of the exchange and transfer of knowledge and experiences among the different research groups interested in CAPAP-H in a way that will promote cooperation among them. Another is to assist with the consolidation and dissemination of existing knowledge concerning CAPAP-H. A third objective is to promote the development and use of new techniques and methodologies that make CAPAP-H possible, principally along those lines in which the Partners are researching.

Another objective is to optimise and to organise individual efforts in order to identify and reach the most ambitious objectives, such as, consolidating the community that works in this environment in a way that will augment their specific weight at an international level, in order to later obtain its own identity in the European Research Space.

Another goal is to tighten the relations between the participating groups in the network as well as other public and private organisations, national or international, that collaborate in the development of publications, projects, conferences, and seminars.

### CyTED-Grid

#### Grid Technology for Iberamerican Project of Science and Technology for Development

**Members:** UCM, UAB, UDELAR, UH, UNLP, UNA, UDEA, UNAM, UNSA, UMAG, ESPOL, UPV, UDC, ULA, UNEB, UOC, UFCG, UNSL, UP, USB, and CESGA

**Coordinator:** Francisco Tirado Fernández, Universidad Complutense de Madrid

**Financing:** The Iberamerican Project of Science and Technology for Development (CYTED)

**URL:** [www.cytetedgrid.org](http://www.cytetedgrid.org)

**Objectives:** The creation of a human and technological infrastructure among those different Latin American groups that are potential users of GRID technology, that are dedicated to the field of computing, and that have experience in the area of scientific applications. The construction of a new GRID network as support for different applications for analysis up to the point that the available solutions are valid and the new developments that will provide the necessary functionality are proposed.

### eBSN

#### European e-Business Support Network

**Members:** Over 160 Business Associations, University based research groups, Industries, Government bodies, Technology Centers throughout Europe.

**Coordinator:** Iordana Eleftheriadou, European Commission

**Financing:** European Commission

**URL:** <http://ec.europa.eu/enterprise/e-bsn/>

**Objectives:** eBSN was founded in order to improve cooperation and raise synergies within the European space of commercial community policy. eBSN activities focus on the creation of networks and the exchange of best practices. More concrete

objectives are listed below.

- Organise meetings of managers in order to adopt decisions in the field of business with the objective of sharing information and discussing the orientation to enlighten strategic policies,
- Provide a platform for the coordination of policies among European Union members,
- Provide a "one-stop-shop" in order to obtain information about initiatives and regional, national, and European financing possibilities for SME, and
- Organise special meetings of governmental experts as a platform for sharing practical experience and to identify future challenges.

### Red Española de e-Ciencia

#### Spanish e-Science Network

**Members:** ACUALSA/UAL, ADE/UJ, ARCO/UNEX, ARCOS/UC3M, ArTeCS/UCM, ATC/UCBIFI/UNIZAR, BSC, CESCA, CESGA, CeSViMa, CETA-UAA/CIEMAT, CETA-USE/CIEMAT, CFM/CSIC-EHU, CGG/CEIT, CICA, CIEMAT, CNB/CSIC, CNDS/UPC, DELi/DEUSTO, DIPC/UPV, DPCS/UOC, e-CA, EEC/UNEX, ESAC-CSG/ESA, ETSF/UPV, Fi2cat, GAC/UDC, GAC/UMA, GAC/USC, GACSO/UAB, GASDS/UCM, GB/CIPF, GB/UPVLC, GCC/INTA, GCOC/UPVLC, GEA/UNEX, GFA/UGR, GFAE/USC, GFAE/UB, GFTAE/UGR, GFTS/FATRONIK, GGC-IFIC/CSIC, GGE/UEVEG, GGRID/UPNA, GHPC-CTI/CSIC, GIDS/UPM, GMA/UC, GMI/UPVLC, GMT/UPVLC, GQMA/UPVLC, GQT/UPV, GQTC/UEVEG, GRTC/US, GRV/EUVE, GRyCAP/UPVLC, GTC/UPVLC, i2BASK, I3A/UNIZAR, IFAE/UAB, IFCA-GRID/CSIC, IFISC/CSIC, IMDEA-Networks, IMDEA-Software, IRAM/UGR, ISG/UPV, LabGP/IBMCP, LMFC/UPM, LNF/CIEMAT, MICINN, MTC-LABSIS/USC, NEIKER, OEG/UPM, PIC, PRHLTG/UPVLC, PURG/UEVEG, QCyCAR/UCLM, RAAP/UCLM, REBIUN, RedIRis, RETICS/UCLM, SAVIE/UPVLC, SBG, SCompBio/CNIO, SDBG/ESI, SGI/IZO/EHU, SPAS/UAH, TIC/CIEMAT

**Coordinator:** Vicente Hernández García, Universidad Politécnica de Valencia

**Financing:** Spanish Ministry of Science and Innovation

**URL:** <http://www.e-ciencia.es/>

**Objective:** The Spanish e-Science Network is designed to organise, coordinate, and move e-Science forward in Spain, as well as to constitute a tool that is complementary to projects, infrastructure programmes, and other resources within the e-Science environment. The general objectives are listed below.

- To have an e-Science infrastructure coordinated among di-

fferent institutions that facilitates user access from different areas of science to supercomputing and GRID infrastructure resources.

-To improve Spanish participation in European e-Science projects.

-To improve scientific excellence by means of access to e-Infrastructures.

-To create an e-Science culture by way of training, dissemination, and promotion of the e-Science concept.

-To consolidate scientific relations with European countries, particularly with Portugal, and with other non-European countries of strategic interest for Spain.

## eMOV

### Spanish Platform of Wireless Communications

**Members:** Over 150 Industrial Companies, Professional Associations, Universities, and Research and Technology Centres.

**Coordinator:** Luis Jorge Romero, Telefonica

**Financing:** Spanish Ministry of Industry, Tourism and Commerce, Ministry of Education and CDTI.

**URL:** <http://www.idi.aetic.es/emov/>

**Objectives:** The objective of the Spanish Platform of Wireless Communications (eMOV) is to contribute to the strengthening of the agents who play a role in the development of mobile and wireless systems and services. In the end, this should have the effect of improving the economic situation of the sector in terms of the creation of employment and the generation of wealth, as well as to contribute to raising productivity and well-being through the adoption of mobile systems and services in other sectors and in Spanish society as a whole.

## GIS-REDIX

### Geographic Information Systems Galician Research Network

**Members:** Laboratorio del Territorio (LaboraTe) – Universidad de Santiago de Compostela, Instituto de Biodiversidad Agraria y Desarrollo Rural (IBADER), Arquitectura de Computadores- Universidad de A Coruña, Arquitectura de Computadores - Universidad de Santiago de Compostela, Videalab – Universidad de A Coruña, Laboratorio de Ingeniería Cartográfica (CartoLab) – Universidad de A Coruña, Investigación Socio-espacial SIG-T-Universidad de Santiago de Compostela, Sprawl City-Universidad de A Coruña, SITGA, and CESGA.

**Financing:** Galician Regional Ministry of Education, Xunta de Galicia

**Coordinator:** U. Fra Paleo, Universidad de Santiago de Compostela

**URL:** <http://sit.usc.es/redix/index.html>

**Objectives:** REDIX is a network of research groups and organisations interested in the development, dissemination, and application of the GIS to science, technology, and research methodologies.

## GRIDCHEM

### Grid Computing in Chemistry

**Members:** Research institutions from 18 European states.

**Coordinator:** Hans Peter Luthi, Physical Chemistry Laboratory - ETH Zurich

**Financing:** COST (European Cooperation in Science and Technology)

**URL:** [http://w3.cost.esf.org/index.php?id=189&action\\_number=D37](http://w3.cost.esf.org/index.php?id=189&action_number=D37)

**Objectives:** One objective is to facilitate the creation and utilisation of distributed computing infrastructures (Grid) in chemistry with the goal of taking chemical computational models and simulations to new frontiers of complexity and to a new time-to-solution regime. This will stimulate innovation in the creation and manipulation of chemical knowledge. The fields of application take on traditional chemistry, material science, molecular biology, and environmental chemistry. The presence of chemistry in the network will also have an impact on the development of middleware and the creation and availability of network infrastructures. The final objective is to facilitate and accelerate the transition of researchers to the computational science infrastructure of the XXI century, which should in turn make European Computational Chemistry much more competitive.

## Mathematica Network - Consulting and Computing of Galicia

**Members:** 14 research groups in applied mathematics and computing from Galician Universities and Technology Centres.

**Coordinator:** Wenceslao González Manteiga, USC.

**Financing:** Galician Regional Ministry of Education, Xunta de Galicia

**URL:** <http://matematica.nodo.cesga.es/content/view/13/27/>

**Objectives:** Promote research and working relationships among members, as well as transfer of math and computing methods and technology to industry and administrations.

## INES

### Spanish Technological Platform of Software and Services

**Members:** 136 Spanish Telecom Companies, Industries, Business Associations, Technology Centres, and Universities.

**Coordinator:** Santiago Ristol, Atos Origin

**Financing:** Spanish Ministry of Industry, Tourism, and Commerce

**URL:** [www.ines.org.es](http://www.ines.org.es)

**Objectives:** The objective is to define a strategic research programme adapted to Spanish necessities and capacities, including proposals for unique, scientific and technologic strategic projects setting medium and long term goals.

## INSME

### International Small and Medium Enterprise Network

**Members:** Members from 5 continents: governmental bodies, international organizations, international non-profit organisations and representatives of 36 networks and their intermediaries that work in the field of innovation and the transfer of technology to PYMES.

**Coordinator:** Paolo Anselmo, Italian Business Angels Network (IBAN)

**Financing:** OECD. UNIDO.

**URL:** <http://www.insme.org>

**Objectives:** To create a permanent forum for the promotion and strengthening of multilateral dialogue between stakeholders.

- To develop "North-South" interaction and cooperation.
- To facilitate knowledge exchange and the arousal of synergies and economies of scale.
- To indirectly support the competitiveness of the SME at local, national, and international levels.

## RED-GHPC

### Galician High Performance Computing Network

**Members:** Grupo de Antenas-Universidad de Vigo, Grupo de Arquitectura de Computadores-Universidad de A Coruña, Grupo de Arquitectura de Computadores - Universidad de Santiago de Compostela, Grupo de Física de la Atmósfera y el Océano- Universidad de Vigo, Grupo de Física no Lineal-Universidad de Santiago de Compostela, Grupo Integrado de

Ingeniería-Universidad de A Coruña, Grupo Laboratorio de Sistemas - Universidad de Santiago de Compostela, Grupo de Métodos Matemáticos y Simulación Numérica en Ingeniería y Ciencias Aplicadas-Universidad de A Coruña, Grupo de Química Teórica y Computacional-Universidad de Santiago de Compostela, Grupo de Resolución Numérica de Ecuaciones en Derivadas Parciales-Universidad de Santiago de Compostela, Centro de Investigación e Información Ambiental (CINAM), and Centro de Supercomputación de Galicia (CESGA)

**Coordinator:** Ramón Doallo, UDC

**Financing:** Galician Regional Ministry of Education, Xunta de Galicia

**URL:** <http://ghpc.udc.es/>

**Objectives:** The Galician Thematic network of High Performance Computing (Red G-HPC) is designed to put in contact and to propitiate collaboration among groups and research centres of the University System of Galicia (USG) and users of HPC technologies (High Performance Computing). The Red G-HPC network has two fundamental purposes:

1. To promote interdisciplinary research collaboration among groups integrated in the network, as well as other research groups or companies that may be interested in research and/or in the development of technologies that require supercomputing or other HPC techniques.
2. The organization of training courses, conferences, seminars, or workshops that help to disseminate knowledge concerning HPC technologies.

## REDOAPA

### Thematic Network for Designs and Objects for Learning

**Members:** Universidad a Distancia de Madrid, Universidad Complutense de Madrid, Universidad de Alcalá, Universidad de Alicante, Universidad de Almería, Universidad de Barcelona, Universidad de Cádiz, Universidad de Castilla La Mancha, Universidad de Mondragón, Universidad de Murcia, Universidad de Oviedo, Universidad de Sevilla, Universidad de Valladolid, Universidad de Vigo, Universidad del País Vasco, Universidad Francisco de Vitoria, Universidad Politécnica de Madrid, Universidad Pontificia de Salamanca, Universitat Oberta de Catalunya.

**Coordinator:** S. Sánchez, Universidad de Alcalá de Henares

**Financing:** Ministry of Education and Science

**URL:** <http://www.cc.uah.es/ie/projects/redaopa/>

**Objectives:** REDAOPA began in 2004 with the objective of continuing the annual multidisciplinary meetings that were

initiated in the SPDECE'04 symposium. The thematic network strives for permanence in order to continue the provision of support for the different aspects associated with electronic teaching and learning with an emphasis on the reutilisation of resources. Actually, aspects of interest for the network members are, among others:

- The reusability of open educational resources,
- The sharing of designs for learning, a step beyond that of the contents,
- The codification and classification of theories of instructional design, and
- The creation of models of quality for digital educational resources.

## RGB

### Galician Bioinformatics Network

**Partners:** Medicina Genómica-Universidad de Santiago de Compostela, Grupo de Poblaciones Genéticas y Cyto-Genética-Universidad de Vigo, Grupo de investigación de Sistemas Complejos-Universidad de Santiago de Compostela, Grupo de Bio-Farmacia- Universidad de Santiago de Compostela, Grupo de MathBioinfo-Universidad de Santiago de Compostela, Grupo de Red de Neuronas Artificiales y Sistemas Adaptativos-Centro de Informática Médica y Diagnóstico Radiológico-Universidad de A Coruña, CESGA

**Coordinator:** A. Pazos Sierra, UDC

**Financing:** Galician Regional Ministry of Education, Xunta de Galicia

**URL:** <http://rgb.cesga.es/>

**Objectives:** The RGB is an initiative that has the objective of structuring and integrating research and teaching activities in Bioinformatics that take place in Galicia.

## VINDEIRA

### The Galician ICT Technological Platform

**Members:** Over 90 members from industry, ICT business associations, business angels, universities and technology centres.

**Coordinator:** A. Rodríguez del Corral, R Cable

**Financing:** Regional Government of Galicia, Xunta de Galicia.

**URL:** <http://www.vindeira.org/>

**Objectives:** Vindeira is defined as a meeting point for all agents associated with the ICT sector in Galicia and whose future depends in great measure on the capacity to maintain

and create competitive advantages by means of the development of research and innovation activities. The probabilities of maintaining a sustainable and prosperous ICT industry in Galicia are practically nonexistent without a strategy of innovation that is appropriate in a sector which is particularly globalised such as ICT.

The platform was born of a spirit that is open to the integration of all of agents involved in technological development and in the exploitation of the Galician ICT with a desire for continuity into the future.

## NESSI

### European Software and Services Initiative Network

**Members:** 366 members of which 81 are large ITC companies, 91 are SME, 180 are academic institutions, 22 are partners of which 18 are from industry, 3 are from the academic world, and one is from the open source community.

**Coordinator:** V. Pevtschin, Software AG

**Financing:** European Commission

**URL:** <http://www.nessi-europe.com/>

**Objective:** NESSI's is fundamentally service oriented. Many definitions of service exist in many different contexts. However, all are based on the same principle: the consumer of services is not the owner of the services and for that reason it is not necessary for them to be concerned about the aspects generally associated with property, such as infrastructure, technology, integration, and maintenance. They only have to select a service that satisfies their business needs. Businesses concentrate more and more on activities that can have competitive advantages. They are able to obtain certain support capacities as a service to specialised providers. In this context, NESSI will transform the EU economy by means of business models that are Service Oriented.

## RETGALIA

### Galician Technological Centre Network

**Members:** 21 technological centres of Galicia

**Coordinator:** Javier García Tobío, CESGA

**Financing:** Galician Regional Government, Xunta de Galicia

**URL:** <http://www.retgalia.org>

**Objective:** To coordinate the Technological Centres that operate in Galicia in a way that all potentialities will be taken advantage of, thereby contributing to the achievement of total quality in the Galician system of innovation. The intention is to also support the development of specific actions for

dissemination of knowledge, information, and promotion of science and technology as well as the offering of services to businesses.

## NEURONA

### Galician Technological Platform Network

**Members:** 14 technological platforms of Galicia

**Coordinator:** Salustiano Mato de la Iglesia, Dirección Xeral I+D+i, Xunta de Galicia

**Financing:** Xunta de Galicia

**URL:** [www.redeneurona.org](http://www.redeneurona.org)

**Objective:** The strategic objectives of Neurona are:

- To establish a meeting forum for the exchange of information and experiences among the agents associated with the Galician Technological Platforms.
- To promote and facilitate collaboration between agents of the Galician Technological Platforms in order to develop joint research projects.
- To create a unique institutional image of Research, Development, and Innovation in Galicia for the key sectors of the Galician economy.

## Elearningeuropa.info

**Members:** European Union e-Learning community and stakeholders.

**Coordinator:** Maria José Rodríguez Malmierca (CESGA)

**Financing:** European Commission

**URL:** <http://www.elearningeuropa.info>

**Objective:** To promote innovation in e-learning throughout the lifetime.

## PTAG

### Audiovisual Industry Technology Platform

**Members:** The Galician Audiovisual Technological Platform is composed of businesses that are active in strengthening RTD and innovation, universities, technology centres, and other entities committed to technological progress in the audiovisual industry of Galicia, as well as managers of policies and grant programs, and the business associations related with the sector.

**Coordinator:** Xunta de Galicia / Galician Audiovisual Cluster

**Financing:** Xunta de Galicia

**URL:** <http://www.idea.org.es/?q=gl/node/121>

**Objective:** The Technological Platform i+dea is an open work

forum for the Galician audiovisual industry and research entities and other organisations related to their scientific and technological progress. The strategic objectives are presented below.

- To elaborate a consensual vision of the priorities of the RTD of the sector.
- To develop a work program that will stimulate technological advancement in the sector and exploit new business opportunities.
- To achieve better collaboration, coherence, and critical mass in RTD activities that are promoted for the sector.
- To insert the strategic objectives of the sector into the organisations and forums of influence regarding RTD material.