



Training
Activities

training activities

CESGA provides Training Opportunities for Users and Personnel. During 2008, the Centre participated in the organization of a total of 58 training activities, distributed as indicated in the table below.

SUMMARY OF TRAINING EVENTS	2004	2005	2006	2007	2008
COURSES	16	21	22	16	49
SESSIONS AND SEMINARS	8	7	8	11	7
CONFERENCES	1	3	2	1	2
	25	31	32	28	58

Concretely, it is the users of the Centre, RTD personnel in industry, public administration officials, teachers, researchers, students, and the Centre's personnel who benefit from these activities. The Annual Training Plan is the key stone around which the organisation of these activities is structured.

The majority of these activities were related to the installation and optimal use of advanced technologies. Most courses focused on topics related to the best use of computing systems and included such themes as compilation, optimisation, parallelisation, programming languages, debugging, and algorithms.

2008 User & Staff Training Programme

Training Activity Title	Type	In Collaboration with	Date of Activity	Duration (h)
HPCMU + General Cluster Overview + Management Tricks	course	HP	1st Quarter	18
HP SFS	course	HP	1st Quarter	18
Intel Development Tools	course	Intel	1st Quarter	25
Finis Terrae Maintenance	course	CESGA	1st Quarter	4
Voltaire Technical Training Class	course	CESGA	1st Quarter	14
General Superdome Hardware Vision	course	HP Invent	2nd Quarter	6
Django	course	CESGA-GIS	2nd Quarter	12
Fortran	course	CESGA	2nd Quarter	12
Introduction to Computing	course	USC/UDC	3rd Quarter	20
Introduction to MPI Programming	course	USC/UDC	3rd Quarter	15
Fortran (2nd edition)	course	CESGA	4th Quarter	12
Parallel Programming using OPENMP Directives	course	CESGA	4th Quarter	15
Scientific Application Optimisation on Multicore Systems	course	CESGA	4th Quarter	15
Open Source Tools for Debugging and Application Performance Analysis	course	CESGA	4th Quarter	20
Access to and Use of Finis Terrae Supercomputer	course	CESGA	4th Quarter	5
Introduction to Chemical Codes at CESGA (Gaussian, GAMESS, NWCHEM)	course	CESGA	4th Quarter	5

Training Activity Title	Type	In Collaboration with	Date of Activity	Duration (h)
Course of English	Course	Piccadilly	Year round	Year Round Classes
CESGA's Web CMS Use	Course	CESGA	Year round	One on one Tutoring
New Law of Public Tenders: novelties and implications for businesses	Course	APD	1st Quarter	8
High Performance Interconnect Networks	Course	Voltaire	1st Quarter	8
Open Code Geographic Information Systems	Course	SIGTE	1st Quarter	24
How to Implement an in-Company RTD Management System	Course	FEUGA	1st Quarter	21
How to Deliver winning Presentations	Course	APD	1st Quarter	8
Contracting Law for the Public Sector Workshop	Workshop	Xunta de Galicia	1st Quarter	4
Voltaire Technical Training Class	Course	Voltaire HP	1st Quarter	14
FinisTerae Maintenance	Course	HP	1st Quarter	4
Visual Basic.NET	Course	Pcarrier	2nd Quarter	60
Organisational Climate and Work Performance	Course	APD	2nd Quarter	2
The new Law 30/2007 for Public Sector Contracting	Course	Xunta de Galicia	2nd Quarter	13
Phyton & Django	Course	SCA Informática	2nd Quarter	12

Training Activity Title	Type	In Collaboration with	Date of Activity	Duration (h)
Ontologies, SOA & WEB Services	Course	USC	2nd Quarter	9
Designing Cisco Network Service Architecture	Course	Global Knowledge Spain	2nd Quarter	40
New General Accounting Plan	Course	Xunta	2nd Quarter	15
Effective Implementation of Safety Plans in Businesses	Course	APD	2nd Quarter	5
BeinGRID Portal Training	Course	Beingrid	3rd Quarter	15
Qualitative Research Tools and Methodologies for Projects	Course	USC	3rd Quarter	15
Sixth International Summer School on Grid Computing	Course	Various	3rd Quarter	80
BEinGRID Components Training	Course	Beingrid	3rd Quarter	15
BEinGRID Business and Dissemination Training	Course	Beingrid	3rd Quarter	15
How to Communicate Science, Technology and Innovation	Course	Feuga	4th Quarter	4
LAMP Programming	Course	Professional Training	4th Quarter	20
Parallel Application Development	Course	USC/UDC	4th Quarter	25
ITIL V3 Fundamentals	Course	CNTG	4th Quarter	20
ICT Project Management	Course	CNTG	4th Quarter	36

Training and Outreach activities organised by or participated in: CESGA - 2008

Activity Title	Type	In Collaboration with	Date
CESGA FINISTERRAE Computational Science Conference	Scientific Conference	CSIC Spanish Ministry of Science & Innovation Regional Government of Galicia, Xunta de Galicia	12-06-08
Structural Bioninformatics Course: Biological Molecule Modelling and Simulation	Seminar	Rede Galega de Bioinformática USC Fundación Pública Galega de Medicina Genómica	05-11-08
FP7 Project Management Course	Seminar	OPIDI, DXIDI, Xunta de Galicia	26/28-11-08
GIS Course of the Professional Association of Geographers	Course	Professional Association of Geographers USC	11-9-08
Ten Reasons to Design an Accessible Website	Conference	Spanish Chapter of the Internet Society. ISOC	12-02-08

Mathematica.nodo.cesga.es Outreach Activities in 2008

Activity	Type	Responsible Organisation	Date
Course on Nanotechnology and Mathematics	Course	USC	05/06-08/08
i-MATH Free/Libre Software for Science and Engineering Intensive Course	Course	UDC, UCA, UC, USC, UVIGO, CESGA	06/30-09/26/08
Computational Math: Compiling, Execution and Program Optimization	Course	CESGA	06/30-07/04/08
Introduction to Programming with MPI	Course	CESGA	07/28-30/08
Statistics in Quality Control Methods	Forum	UDC	02/01/2008
Applied Math and Industry Interaction Day	Forum	UDC	04/25/08
Statistics for the Sports Industry	Forum	UVIGO	10/08/08
Math Consulting for Industry and Public Administration	Industrial Days	USC	02/11-13/08