

State of the Art Report – Spain

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1. Organisation of conservation at a national and autonomic level in Spain

1.1 The role of the “Council of Historical Patrimony” at a National level

In Spain there are two level of organisation and competencies in the field of conservation and restoration of cultural heritage: A National institution, the Ministry of Education Culture and Sport and 17 autonomic governs (CCAA) with there own govern body called "Consejeria of Culture". To co-ordinate the works in prevention from the state, the CCAA and the city council the “Consejo del Patrimonio historico” was created in 1985.

At a national level four "Subdireccion" fall under the ministry of culture:

- a) "Subdireccion of the Stately Museums",
- b) "Subdireccion of patrimony",
- c) "Subdireccion of promotion of Fine Art"
- d) "Spanish Institute of Historical Patrimony" .

Conservation and restoration are co-ordinated by this last institution the "Institut del Patrimonio Historico Español". IPHE, calle Greco 4, Ciudad Universitaaria 28040 Madrid.

The Ministry of culture can propose a strategic plan like the National plan for conservation of Cathedrals in all the territory with the collaboration of the Episcopal Conference.

1.2 The role of the CCAA in Prevention of Patrimony

At an Autonomic level the administrative structure in charge of patrimony is more or less copied from the central government with a different name like "Consejeria of Culture," for each CCAA.

Each Autonomic govern has, by law, the competence in the protection of the patrimony with or without a defined strategic plan, with or without experts centres for Preservation of cultural Heritage.

The three CCAA of Andalucia, Asturias and Castilla y Leon have a Plan for Restaution or intervention or Preservation of Cultural Heritage.

In the table we present 4 examples of organisation of Prevention in 4 different CCAA.

Exemple of 4 different situations	Strategic plan	Expert Centre in conservation restoration with conservation workshop and scientific lab	Administrative centre with conservation workshop only	Administrative Autonomic centre without any workshop and any laboratory	Administrative Provincial unit with workshop only	Unit with both workshop and scientific lab.
Andalucia	Yes, General plan preservati on of BC in Andalucia	Yes, IAPH, Instituto Andaluz del Patrimoni Historico, in Sevilla	No	No	Yes, in Museums	No
Catalonia	No	No	Yes, "Servei of restoration of San Cugat, in Barcelona.	No	Yes, SAM "Service of attention to museum", in Girona,	Yes, National Museum of Catalonia
Castilla La Mancha	No	No	No	Yes, Foundation of Culture and Sport, in Toledo	Yes, in Museums	No
Euskadi.	No	No	No	No	1) Yes for Alava, in Vitoria 2) yes, for Bizkaia in Bilbao.	Yes, ARTELEKU, workshop and scientific lab in San Sebastian.

Other examples of centres in the field of conservation of waterlog objects.

- Centro de Arqueologia Subacuatica en Cadiz telf: 956 22 60 34, cas@iaph.junta-andalucia.es
- Centro de Arqueologia Subacuatica en Cartagena telf: 968508415
- Centro de Arqueologia Subacuatica en Barcelona (*Francisco Gracia Alonso*) telf. 93 44092 00, fgracia@trivium.gh.ub.es
- Centro de Arqueologia Subacuatica en Gerona (*Maria Aurora Martin Ortega*) telf: 972 20 66 31.

2. Important Research Centre with some lab involved in conservation of Patrimony.

In Spain the main Institution in the field of scientific investigation and research is the CSIC (Consejo superior de Investigacion cientifica / Council of scientific investigation). It falls under the Ministry of Science and Technology in Madrid . This CSIC have 106 Centres spread in all the territory in the field of Humanities, Natural resources, Material and techniques, physic, chemistry, biology.... Only 10% of them give expertise of material and environment or are interested to be involved in research in the field of Patrimony.

- CCMA, Centro de Ciencias Medioambientales in Madrid
- CNA, Centro Nacional de Aceleradores in Sevilla (Miguel Angel Respaldiza)
- CENIM, Centro Nacional de Investigation Metalurgicas in Madrid (*V.Lopez Serano*)
- EEA, Escuela de Estudios Arabes in Granada
- IACT Instituto Andaluz de Ciencias de la Tierra in Granada
- IAM, Instituto de Arqueologia in Badajoz
- ICV, Instituto de Ceramica y Vidrio in Madrid
- ICMAB, Instituto de Ciencias de Materiales in Barcelona.
- ICMM Instituto de Ciencias de Materiales in Madrid
- ICMS Instituto de Ciencias de Materiales in Sevilla (*jose Luis Perez Rodriguez*)
- ICCET, Instituto de Ciencias de la Construcion Eduardo Torroja in Madrid
- ICTJA, Institutio de Ciencias de la Tierra “Jaume Almera (*Albert Manich*)
- IIQAB, Instituto de Investigaciones Quimicas y Ambientales JP Vila, Barcelona
- IQFR, Instituto de quimica Fisica Rocasolano Madrid (*Mercedes garcia Finca*)
- IRNASA Instituto de Recursos Naturales y Arobiologia Sevilla (*Cesareo Saiz*)

We present in annexe the lists of the centres with the research linked with patrimony.

To have the complete list use <http://www.csic.es>. To contact the Ministry of Science and Technology <http://www.mcyt.es>

3. Technical and Scientific services as support to investigation in Spanish University

3.1 Centres called “SAI” and “STC” in national and autonomic level

Most of Spanish University decided to concentrate expensive instrumental for research in the SAI (Servicios de Apoyo a la Investigacion /support services to research) in (Transmission electronic Microscope, Barred electronic Microscope, fluorescence, IR spectroscopy, Xray diffractometry, mass spectrometry, Raman spectrometry, RMN,)

<http://wzar.unizar.es/invest/sai/enlaces/otrasuniversidades.html>

There is 30 SAI in Spain (University of: Alcala, Alicante, Almeria, Autonoma de Barcelona, Autonoma de Madrid, Barcelona, Burgos, Cadiz, Complutense de Madrid, Cordoba, Coruña, Gran Canaria, Leon, Lleida, Malaga, Murcia, Oviedo, Politecnica de Valencia, Rovira i Virgili, Salamanca, Santiago, Sevilla, Valencia, Valladolid, Vic, Vigo) A lot of this SAI, had opportunities to analyse material and study environment.

Cesareo Saiz Jimenez is the co-ordinator of a link in the CSIC interested in Historical and cultural patrimony

In Catalonia this SAI have the name of STC (Servei Scientifico Tecnico) and have been involved in research in Patrimony.

STC of the University of Barcelona (<http://www.sct.ub.es>)
Department of IR spectrometry (*Nuria Ferrer*)
Department of Crystallography and Petrology (*Marius Vendrell*)
Department of Chromatography (*Isidre Casal*)
(<http://www.patrimoni-ub.net>)

STC of the University Autònoma of Barcelona
Department of Biology (Aurelio Alvarez)

3.2 Politics and budget

The CICYT (Comisión Interministerial de Ciencia y Tecnología/ Inter ministerial Commission for Science and Technology) fall under the Ministry of Science and The Technology. The objective of the CICYT is to establish the research plan for 2000-2003 and to co-ordinate I+D actions (investigation and development).

The CICYT http://www.mcyt.es/grupos/grupo_búsqueda.htm is able to allow grants for the I+D action. Some of them can deal with research in the field of conservation of patrimony.

At an autonomic level, in Catalonia for example, the local Ministry of Universities, Research and Information Society (DURCI <http://dursi.gencat.es>) create the CIRIT (*Comisión Interdepartamental de Recerca i Innovación / Inter departmental commission for research and innovation*).

The objective of the CIRIT is to establish the III Research plan of Catalonia for 2001-2004, to analyse the impact of other programs (Program UE, Plan of research from Administration...) and to co-ordinate I+R actions.

The CIRIT <http://www.dursi.gencat.es/ca/re/cirit.htm> is able to allow grants for I+R actions some of them can deal with research in the field of conservation of patrimony.

4. Training in Conservation of cultural Heritage

There is in Spain: 6 University with 5 years BA course in conservation (3 year in fine art and 2 years of specialisation in conservation) and 3 school with 3 years MA course in conservation. Some University with help of Foundations propose post graduate courses.

4.1 University with training in conservation

- a) University Complutense, Faculty of Fine Art in Madrid, (Margarita San Andrés, chemist, telf: 91 3943567. msam@quim.ucm.es)
- b) University of Barcelona, Faculty of Fine Arts in Barcelona, Pau Gargallo nº4, 08028 Barcelona (J.Francisco Garcia, conservator tel) restaura@trivium.gh.ub.es
- c) University polytechnic of Valencia, Faculty of Fine Arts in Valencia, Camino de Vera s/n 46014 Valencia (Teresa Doménech Carbó, chemist tdomenec@crbc.upv.es , telf: 963877310) depres@upvnet.upv.es
- d) University of Sevilla, Faculty of Fine Arts in Sevilla, Laraño nº3, 41003 Sevilla (Maria Dolores Alcaide telf: 954 48 64 90)
- e) University of País Vasco, Faculty of Fine Arts in Bilbao, Barrio de Sarriena s/n 48940 Leica, Bizkaia, (Santiago Ortega, telf: 94 60 12 000, www.ehu.es/bbaa/)
- f) University of Granada, Fine Art Faculty in Granada, Avenida de Andalucía s/n 18071 Granada, (Victor Medina, vmedina@ugr.es, telf: 958242963.

The University of Granada has created a foundation able to offer grants for research in conservation like the ATRI

4.2 Official schools recognised by central administration with training in conservation.

Three year MA course in conservation

- 1) Superior school of restoration of cultural Heritage in Madrid
Guillermo Rolland nº2, 28013 Madrid. Telf:
- 2) Superior school of restoration of cultural Heritage in Pontevedra (Galicia)
Guillermo Rolland nº2, 28013 Madrid
(Anton Sobral, Telf: 986 86 12 51, asobral@terra.com)
- 3) School of Art and Crafts of the Diputacion of Barcelona
C/Comte Urgell 187, Recinto de Escuela Industrial 08036 Barcelona.
(luis Vilaseca: Telf: 93 321 90 66. Vilasecaol@diba.es)

4.3 Post graduate training with high level scientific training

Some University are creating special training programs for Masters dealing with conservation of Patrimony.

Four Universities propose post graduate training in conservation of monuments: Salamanca, Barcelona, Valencia,

- 1) Conservation of Stone, bricks and mortars, organised by Faculty of Science, Department of Geology
Course director: Josep Gisbert Aguilar. Telf: 976 35 15 08 Feuz@globalmail.es
Found: Foundation Uncastillo + Ministry of Education + Aragon Govern + University Melendez Pelayo.
- 2) Conservation of Paper, organised by Chemical Engineering Department, ETSEIT, c/colom nº11, 08222 Terrassa Catalunya.
Course contact: Rogelio Areal Guerra areal@eq.upc.es
<http://www.upcnet.es/~jme18>
- 3) Preventive conservation in urbanism, building and museums, organised by University Pompeu Fabra in Barcelona in 2003
Course contact : benoit.detapol@mnac.es
Found : University Pompeu Fabra
- 4) Restoration and conservation of Patrimony, 4 different speciality
University of Alcala de Henares (Madrid)
Course contact: 91 8855276
- 5) Master in Conservation and Restoration of Urban and architectonic Patrimony
Polytechnic University of Madrid
Cours contact: 91 3366539

In the field of conservation of monuments there are more than 6 Masters In importants cities as Valencia, Madrid, Salamanca, Barcelona....