

Rosa Casanovas i Berenguer

C/ Rector Homs 9-11, 20n, 2^a
08820 EL Prat de Llobregat

rosacasanovasb@gmail.com
rosa.casanovas@creaf.uab.cat

University of Barcelona, Advanced ecology course, September 2002.

Researcher, September 2002.

University of Barcelona, BS and Master in Biology, June 1999

4 years of experience as researcher in the Ecology department (University of Barcelona)

10 years of experience as technical assistance

Areas of Expertise

- Limnology
- Paleolimnology
- Macroinvertebrates
- Macrophytes
- Implementation of the Water Framework Directive
- Environmental Impact Study

Technical assistance: I have been working in as Project manager, fieldwork and lab analysis (macroinvertebrates, chironomids taxonomy and aquatic plants).

My main projects were focused in the Water Framework Directive implementation in Spain, river restoration, *Dreissena polymorpha* monitoring in Catalonia and spreading publications.

The main jobs that I had done were:

- Fieldwork planning, coordination and results check, data analysis and reports elaboration
- Fieldwork: I leaded fieldwork in the lakes of the Ebro river basin projects (client: Hydrographic Confederation of Ebro river), Duero river basin (client: Hydrographic Confederation of Duero river) and North river basin (client: Hydrographic Confederation of North rivers) and I participated in rivers, reservoirs and estuary fieldwork.

The fieldwork in all these projects consisted in biological sampling (macro and microinvertebrates, fishing, phytoplankton, phytobenthos and aquatic plants), physico-chemical analysis and habitat and hydromorphological descriptions.

Research: the first phase of my professional career was done in Ecology department (University of Barcelona), there I combined the job as researcher with punctual assessment to private companies, talks on biological indices and sampling practice classes

During this period I took part in 8 limnology and paleoecological projects, financed by local (Barcelona Province regional government, several councils, CICYT) and international governments (European Community, Austrian Ministry of Science and Traffic). I have 4 scientific works published, collaborated in 6 congress and 1 workshop.

Professional experience

Since September 2014: CREAM (Centre for Ecological Research and Forestry Applications)

Technical assistant of the Global Ecology Unit

2012-September 2014: Freelance

Data analysis and report writing at AMBLogica.

Technical consultant for several environmental consultants.

2004-january 2012: U.R.S. Spain, S.L.

Job: Project manager, fieldwork and lab analysis.

Main clients: Hydrographic Confederation of Ebro river, Catalan Water Agency, Aigüestortes i Estany de Sant Maurici National Park and several councils.

Main projects:

- Project manager and fieldwork (qualitative macroinvertebrates sampling, macrophytes and physico-chemical analysis) and habitat descriptions. **Technical assistance for the ecological status evaluation of river Ebro basin lakes, in accordance to the guideline of the Framework Water Directive** (Hydrographic Confederation of Ebro river), 2007 a 2011.
- Report elaboration. **Restoration guidelines for the stream torrent de les Gralles** (Sant Pere de Ribes council), 2011.
- Project manager and fieldwork (qualitative macroinvertebrates sampling, macrophytes, diatoms and physico-chemical analysis) and habitat descriptions. **Technical assistance for the ecological status evaluation of Noguera de Tor river** (Aigüestortes i Estany de Sant Maurici National Park), 2011.
- Fieldwork (quantitative macroinvertebrates sampling, macrophytes and physico-chemical analysis) and habitat descriptions. **Technical assistance for the ecological status evaluation of river Duero basin rivers, in accordance to the guideline of the Framework Water Directive** (Hydrographic Confederation of Duero river), 2010.
- Project manager and fieldwork (biological sampling and physico-chemical analysis). **Assessment for the presence of freshwater jellyfish in Montcortes lake** (Catalan Water Agency), 2009.
- Fieldwork and report elaboration. **Technical assessment for the implementation and restoration of a fluvial park in the municipality of Sentmenat** (Barcelona Province regional government), 2008-2009.
- Fieldwork and report elaboration. **Restoration guidelines for the stream Sant Joan in the municipality of Monistrol de Calders** (Barcelona Province regional government), 2008-2009.
- Project manager and fieldwork (qualitative macroinvertebrates sampling, macrophytes, phytoplankton, zooplankton and physico-chemical analysis). **Evaluation of the ecological potential of reservoirs and the ecological status of Catalan lakes, in accordance to the guideline of the Framework Water Directive** (Catalan Water Agency), 2007-2010.

- Project manager and fieldwork (quantitative and qualitative sampling for zebra mussel larvae). **Control of the *Dreissena polymorpha* dispersion in Catalonia** (Catalan Water Agency) 2007-2010.
- Sampling collection and monitoring of the ecological status in accordance to the guideline of the Framework Water Directive in the Duero and North river basins, 2006 and 2006-2008.
- Divulgative publication report. **Zebra mussel in the Ebro river basin** (Hydrographic Confederation of Ebro river), 2007.
- Project manager and fieldwork (qualitative macroinvertebrates sampling, macrophytes, diatoms and physico-chemical analysis) and habitat descriptions. **Technical assistance for the ecological status evaluation of Sant Nocolau and Escrita rivers** (Aigüestortes I Estany de Sant Maurici National Park), 2011.
- Fieldwork and report elaboration. **First works about *Margaritifera* in Canal Imperial de Aragón** (BS Ingeniería), 2007.
- Fieldwork. **Installation and operation of systems of biological control in the basins of the North (reservoirs) pursuant to Directive 2000/60/EC** (Hydrographic Confederation of North rivers,) 2006.
- Fieldwork. **Study eutrophication and toxic phytoplankton (cyanobacteria) in reservoirs of Galicia** (Hydrographic Confederation of North rivers). 2006.
- Fieldwork. **Biomonitoring of Castronuño wetlands**, (Hydrographic Confederation of Duero river). 2006.
- Classify and Identification of macroinvertebrates samples in Vall d'Aran (Catalonia), 2005.
- Classify and Identification of macroinvertebrates of samples after a sewage spill form the Sangüesa factory, 2004
- Fieldwork and report elaboration. **Study of the reach from the Tormes river down-flow of the La Almendra dam** (Iberdrola company), 2005.
- Fieldwork. **Sampling collection and monitoring of the ecological status, in accordance to the guideline of the Framework Water Directive in the river Ebro** (Hydrographic Confederation of Ebro river), 2005.
- Fieldwork. **Monitoring environmental spill impact of a paper-mill in the river Ebro (XXXX)**, 2005.
- Fieldwork. **Operation of the monitoring network of dangerous substances for the river Ebro Water Authority** (Hydrographic Confederation of Ebro river), 2004.
- Report related to the implementation of the Water Framework Directive (Catalan Water Agency), 2004.

1999-2004 Ecology department (University of Barcelona)

Job: Advanced ecology course student with the project: **Chironomid subfossil communities in Pyrenean lakes.**

Functions: I took part in 8 limnology and paleoecological projects, financed by local and international governments.

Limnology studies:

- 1999-2004: Limnology study of the rivers in the Barcelona area. Servei de Medi Ambient, Diputació de Barcelona (local government).
- 2002-2003: Ecological status study of the Ripoll river (Dept. d'Ecologia (UB), Diputació de Barcelona (local government), Castellar del Vallès, Barberà del Vallès and Sabadell councils).
- 2003: Monitoring of the ecological status of the St. Just river bank.
- 1999-2001: Ecological study of the Mediterranean rivers from the north-east of Spain
- 2000-2001: Environmental diagnosis of the Besòs river. Diputació de Barcelona (local government).

Paleoecological studies:

- 2000-2004: EMERGE project: European mountain lake ecosystems: regionalisation, diagnostics and socio-economic evaluation (CEE, Environment).
- 1999-2001: Climate history as recorded by ecologically sensitive Arctic and Alpine lakes in Europe during the last 10, 000 years: A multiproxy approach (CHILL-10,000) (Environment and Climate EU).

- 2000: Study of the Chironomid remains from surface sediments of lakes from the Nieder Tauern (Austria) (Austrian Ministry of Science and Traffic).

Education

University of Barcelona, **Advanced ecology course**, September 2002.

Researcher, September 2002.

University of Barcelona, **BS and Master in Biology**, June 1999

Additional expertise and training

Languages:

English

Spanish

Catalan

Computer skills:

gvSIG user certificate (June 2013, Col·legi d'Ambientòlegs de Catalunya)

Advanced training in statistical treatment of data (multivariate analysis)

Multivariate analysis programs (**CANOCO**), statistical packages (SPSS, Sigmaplot), image processing (Corel), image analysis (AnalySIS®3.0), Power point.

Microsoft Access 2010: 94 hours course.