

## **CURRICULUM VITAE**

### **CRISTINA GOUVEIA**

cgouveia@alum.mit.edu

Rua Egas Moniz No43, 3  
1900-217 Lisboa · Portugal  
Tel: +351 91 9936351

## **EDUCATION**

- 1994-1996 **Massachusetts Institute of Technology (MIT)**, Cambridge, MA, USA  
MCP, Urban Studies and Planning Department  
Thesis: "Augmenting public participation with information technology in a Portuguese environmental assessment context"  
Supervisors: Michael Shiffer, Larry Susskind
- 1986-1992 **Faculdade de Ciências e Tecnologia/Universidade Nova de Lisboa (FCT/UNL)**, Lisbon, Portugal  
*Licenciatura*, Environmental Engineering, Environmental Sciences and Engineering Department

## **FELLOWSHIPS, SCHOLARSHIPS AND AWARDS**

- 2000-2005 Doctoral Scholarship, Fundação para Ciência e Tecnologia (NSF equivalent), Portugal
- 1999 Descartes Award, Instituto Nacional de Administração, Portugal, for the project "Portugal Digital"
- 1999 Descartes Award Instituto de Informática, for the project "GEOCID - O Portal de Acesso à Informação Geográfica para o Cidadão" (A webportal of the NSDI for every citizen),
- 1996 Outstanding Planning/Student Project Award, Massachusetts Chapter of the American Planning Association.
- 1994-1995 Master Scholarship, Luso-American Development Foundation, Portugal
- 1994-1995 Master Scholarship, Fulbright, US
- 1994 Armando Lencastre Best Student Award, Environmental Engineering 1986/1991, UNL, Portugal

## **RESEARCH INTERESTS**

Public Participation in Environmental Management; Environmental Monitoring; Environmental Information Systems; Geographic Information Systems; GeoVisualization, Collective intelligence; Creative Cities; Sustainable Consumption by Product Design.

## **TEACHING EXPERIENCE**

- 2002-present **Teaching Assistant, UNL Department of Environmental Sciences and Engineering (Portugal)** – teaches Environmental System Analysis and Simulation. Since 2006 also teaches the course on Information Systems and Modeling in Environmental Science.
- 1998-1999 **Teaching Instructor, Universidade Atlântica (Portugal)** – prepared and taught Geographic Information Systems course, in collaboration with Nuno Neves and Danilo Furtado.
- 1997 **Teaching Instructor, Technical University of Łódź (Poland)** – prepared and taught the course "Public Participation in Environmental Impact Assessment", European Union Tempus Program; formulated course structure and requirements; devised syllabus, material and lectured full course.

## **PROFESSIONAL EXPERIENCE**

- 2006-present **YDreams (Lisbon, Portugal)**
- Collaborated in research proposals aiming at exploring collective intelligence applied to urban planning and environmental management.
- 2001- **UNL Department of Environmental Sciences and Engineering (Portugal)**

- present
  - PhD student under the supervision of Prof Antonio Camara. The thesis topic is on using information and communication technologies to promote public participation in environmental monitoring.
- 2002-present
  - **Portuguese Geographical Institute (Portugal)**
    - Is affiliated with IGP, which was created by the merge of CNIG with the National Mapping agency. In a leave since 2002.
- 1991-2001
  - **National Center for Geographic Information (Lisbon, Portugal)**
    - Participated in research projects in the area of multimedia spatial information systems applied to environmental issues.
    - Responsible for the development team of the National Spatial Data Infrastructure (SNIG) in the 1996-1998 period. After that and until CNIG extinction remained actively involved in SNIG development activities.

## PUBLICATIONS

### Journal Articles

- - Gouveia, C., Ferreira, F., Nicolau, R. and Câmara, A.S., 2007, "Collaborative Monitoring of Chlorine Flavours in Drinking Water", *Water Science and Technology*, Volume 55, Issue 5, Pages 77-84.
- - Gouveia, C., Fonseca, A., Ferreira, F., Câmara, A., 2004, "Promoting the use of environmental data collected by concerned citizens through information and communication technologies", *Journal of Environmental Management*, Volume 71, Issue 2, Pages 135-154.
- - Fonseca, A., Gouveia, C., Câmara, A., Silva, J.P., 1995, "Environmental Impact Assessment with Multimedia Spatial Information Systems", *Environmental and Planning B: Planning and Design* 22, 637 - 648.

### Book Chapters

- Marcelino, M.J., Azevedo Gomes C., Silva M.J., Gouveia C., Fonseca A., Pestana B. and Brigas C., (2007). "Schoolsenses@Internet: Children As Multisensory Geographic Information Creators" In Fernández-Manjón B. et al. (eds.), *Computers and Education: E-learning, From Theory to Practice*, 57–66. Springer.
- Gouveia, C., Fonseca, A., Condessa, B. and Camara, A., (2006). Citizens as Mobile Nodes of Environmental Collaborative Monitoring Networks In Drummond, J., Billen, R., Forrest, D. and João, E., (Eds.), *Dynamic & Mobile GIS: Investigating Change in Space and Time*, Taylor & Francis.
- Fonseca, A. and Gouveia, C., (2005). Spatial Multimedia for Environmental Planning and Management, In Campagna, M. Ed., *GIS for Sustainable Development. Bringing Geographic Information Science into practice towards sustainability*, Taylor and Francis.
- Bento, J. Gonçalves Henriques, R., Gouveia, C., Condessa B., (2000). Capítulo III.14, VI.3.15 In L. Valadares Tavares (Ed.), *A Engenharia e a Tecnologia ao Serviço do Desenvolvimento de Portugal: Prospectiva e Estratégia*, 2000-2020, Verbo.
- Fonseca, A., Gouveia, C., Nicolau, R., Gonçalves Henriques, R.G., (2000). National GII Solutions: The Portuguese Experience (project SNIG), In Frank, A.U., Raubal, M., van der Vlugt, M., TUVienna (Eds.) *Panel-GI Compendium. A Guide to GI and GIS*, European Commission, 77-89.
- Gouveia, C. e Câmara, A. (1999). "Multimedia and Urban Planning". In John Stillwell (Eds) *Geographical Information and Planning: European Perspectives*, Springer.
- Fonseca, A., Gouveia, C., Fernandes, J. P., Pinheiro, A., Sousa, I, Aragão, D. e Silva, J. P., (1999). "EXPO'98 CD-ROM: A Multimedia System for Environmental Exploration". In A.S. Câmara, & J. Raper (Eds.), *Spatial Multimedia and Virtual Reality* (pp.71-87). London, UK: Taylor & Francis.
- Fonseca, A., C. Gouveia, A. Câmara, and F. Ferreira, (1994). "Geographic Information Systems and Multimedia Technologies for Water Resources Environmental Impact Assessment", In Tsakiris, G., and Santos, M. A. (Eds.) *Advances in Water Resources Technology and Management*, A. A. Balkema, 1994,