

# ARMANDO HECTOR SCALISE

Oceanographer – Coastal management consultant – GIS expert

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1431 Ciudad de Buenos Aires  
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**Birth Date** December 10<sup>th</sup> 1959  
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## EDUCATION

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**Ph.D. Candidate**      **Current**      **Christian- Alberts University zu Kiel, Germany**

Curently working on a Ph.D Thesis on coastal vulnerability and resilience.

**Master`s Degree**      02/1992      Oregon State University      Corvallis-Oregon

M.Sc. in Marine resources Management from the College of Atmospheric and Marine Sciences. My main field of study was coastal management, with an emphasis on natural hazards and geographic information systems (GIS) applications to coastal problems

**Oceanographer**      0 7/1984      Universidad Nacional de la Patagonia Argentina

Degree in Oceanography with main focus on Marine Biology and strong background in mathematics, physics and statistics

## SCHOLARSHIPS

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**Fulbright Commission Scholarship**      09/1989 - 09/2001  
**Encyclopedia Britannica do Brazil**      09/1989 - 09/2001

Both scholarships were granted towards obtaining a M.Sc. degree in Natural resources Management in Oregon State University (USA)

## WORK EXPERIENCE

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**Consejo Federal de Inversiones –**, Argentina      09/2008– 06-2009  
Project Coordinator

Analysis of cliff erosion and coastal management alterantives in Las Grutas, Rio Negro Argentina

**Environmental Policy Secretariat**, Buenos Aires. Argentina      04/2006 – 09/2007  
Senior Consultant

Development of a methodology for coastal vulnerability assessment along the Buenos Aires Atlantic Coast

**eSite Inc., Mount Pleasant, South Carolina, USA** 05/2007 – 06-2011  
GIS automation and customization architect.

Acting as an overseas contractor, in charge of designing and developing customized GIS components for socio-economic analysis.

**National Science and Technology Council (CECYT) . Argentina** 03/2007 – 09/2007  
GIS Coordinator

Development of SIG based, environmental and demographical databases for coastal planning in Partido de la Costa (Buenos Aires, Argentina)

**Consejo Federal de Inversiones –, Argentina** 09/2006 – 4/2007  
Project Coordinator

Analysis of beach nourishment alternatives for erosion control along the Buenos Aires Province Atlantic Margin.

**University of Patagonia, Trelew, Argentina** 03/2005 / 12/2006  
Professor. GIS Lecturer

GIS lecturer for introductory and advanced GIS

**Department of Planning – Chubut, Argentina** 03/2005 – 9/2006  
GIS Consultant

Development of GIS applications for analysis and visualization of socio-economic information. Maintenance of data bases.

Project leader for the design of a GIS based repository for environmental data analysis in Chubut Province.

**Dirección Provincial de Minería – Chubut, Argentina** 09/2004 – 10-2005  
GIS Architect

In charge of developing a GIS system for mining applications

**Universidad Nacional de la Patagonia, Trelew, Argentina** 03/ 2004- 11/ 2005  
Associated Professor

Lecturer of Geographic Information Systems I and II at the Geography Department.

**geoVue, Boston, USA** 3/2002 – 3/2004  
Senior GIS Applications designer and developer

Development of GIS products for site selection, market optimization, and demographics. In charge of designing and developing customized GIS components for the main line of GIS products of the company both for desktop and web applications. My duties also include writing specs, developing and integrating modules across a number of technologies. (GISDK, .NET)

**United Nations Development Program.** La Plata, Argentina 09 / 1993 – 02 / 1994  
GIS consultant

Application of GIS to the analysis of flood hazards in Buenos Aires Province, Argentina.

**FETCH SRL** – Argentina 08 / 1996 – 2002  
Projects Development Manager

Acting as coordinator of a group of experts from diverse fields (oceanography, oil engineering, computer science, economy, geology). In most cases I was in charge of defining the content of each study as well as the information gathering methodology and the edition of the final reports. I wrote proposals and tenders, dealt with government agencies, did promotional work and prepared estimates. A very important aspect of my work was to be in direct contact with clients, from the start of the project, helping them define their needs, and advising on the best technological and methodological solutions to their problems. Clients were mainly international companies or gubernamental agencies like:

YPF Argentina, AMOCO (USA), PROMODES GROUP (France), DIA% (Spain), Province of Chubut (Argentina), ENSR (USA), TYCO (USA), TELEFONICA (Argentina), TELECOM (Argentina), TERMAP (Argentina), PAN AMERICAN ENERGY (Argentina), SENASA (Argentina)

**Project Manager** 06 / 2000 – 07 / 2001  
European Union - Mercosur

A multinational project under a European Union contract. I designed and coordinated a project involving a multinational document repository to be used by the Animal and Crop Health Agencies of Argentina, Paraguay, Uruguay and Brazil.

I designed the functionality of the repository, coordinated the work of a team of 5 programmers, negotiated with the client and with users in four different countries and harmonized the system so that it can be adapted to the different technological and institutional environments in each of the four countries.

**Geography department - University College Cork.** Ireland 09 / 1991 – 11 / 1992  
Research Associate

Development of a GIS, and a data gathering methodology for assessing the potential impact of sea level rise along the European Atlantic Coast. (Using SPANS, AUTOCAD, IDRISI and customized programs)

**Oregon State University - College of Oceanography USA**  
Research Assistant

10 / 1989 – 09 / 1991

Development of GIS for analysis of coastal hazards and coastal erosion in Lincoln County, and Seaside, Oregon, USA (Using Arc-Info and AML programming)

**Oregon State University - College of Oceanography USA**  
Teaching Assistant - General Oceanography

10 / 1989 – 09 / 1991

## LECTURES GIVEN

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**Invited Lecturer 11/1996 UNDP sponsored Workshop Pinamar, Argentina**  
Conference: "The implementation of GIS in Argentinean municipalities". At the Workshop: "El ordenamiento ambiental en el marco del desarrollo sustentable". UNPD, Proyecto de Fortalecimiento Institucional de la Subsecretaría de Asuntos Municipales e Institucionales de la Prov. De Buenos Aires. ARG 95/103. Pinamar, Argentina

**Lecturer 10/1993 UNDP Sponsored Workshop Paraná, Entre Ríos**  
Conference: "Introducción a los Sistemas de Información Geográfica", Ministerio de Agricultura de la Provincia de Corrientes, Proyecto PNUD Arg 91/017. 5 de Noviembre de 1993.

**Invited Lecturer 10/1997 (COI- UNESCO) Workshop Río Grande, Brasil**  
Conference: "GIS Applications to coastal zones". Workshop: Sistemas Oceanográficos del Atlántico Sudoccidental,

**Invited Lecturer 08/1995 MERCOSUR Workshop Londrinas, Brasil**  
Conference: "Possibilities and limitations of GIS application to agricultural plagues in Argentina. An analysis of the boll weevil and the mediterranean fly cases".

## COURSES AND SEMINARS GIVEN

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**Main Lecturer 10/1993 Universidad Nacional de La Patagonia Argentina**  
Course: "Applications of data bases to geographic research". Facultad de Ciencias Naturales, Universidad Nacional de la Patagonia, Trelew Argentina

**Lecturer 01/92 to 03/92 Cork, Ireland**  
Seminar "Computers in Geography". Dept. of Geography. University College Cork, Ireland.

**Lecturer 4/1991 Corvallis, Oregon**  
Course: "ARC-Info. Applications development with AML". College of Oceanography, Oregon State University

## REPORTS AND COMMUNICATIONS

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Fucks E.E., Scalise, A.H., Schnack, E.J., 2011. Evaluación de Alternativas para la Conservación y Manejo del Frente Costero en Las Grutas, Provincia de Río Negro. Consejo Federal de Inversiones. ISBN 978-987510.099-2.

Schnack, E.; Isla F; Scalise A., Fucks E., Bértola, G, 2007 Evaluación de áreas de préstamo y su compatibilidad para el relleno de playas en el litoral atlántico oriental bonaerense. VI Jornadas Geológicas y Geofísicas Bonaerenses. Argentina.

Scalise A, Schnack E. 2007, Estudio para la recuperación y manejo de playas del litoral Atlántico Bonaerense. Finla report . Consejo Federal de Inversiones, Buenos Aires, September 2007

Scalise A. 1997. "La aplicación de SIG en el manejo de zonas costeras" Workshop: Sistemas Oceanográficos del Atlántico Sudoccidental, Río Grande, Brasil, 3 al 11 de Noviembre de 1997. Por invitación especial de la Comisión Oceanográfica Intergubernamental (COI- UNESCO)

Scalise, A. 1995. "Posibilidades y limitaciones de la aplicación de SIG al manejo de plagas cuarentenarias. El caso de mosca de los frutos y el picudo del algodón". Primer Taller trinacional sobre el control del picudo del algodón en Argentina, Brasil y Paraguay. Londrina, Brasil, 7 al 11 de Agosto de 1995.

Bartlett, D. Devoy, R. y Scalise A. 1992. "Conceptual and methodological issues in creating a coastal zone GIS application". Proceedings of the III Review of the Sea, international Conference on, "The impact of humans' activities on the coastal region". Livorno, Italia, 6-8 de Marzo de 1992.

Scalise, A., Bartlett, D. y Devoy R. 1992. "A review of some operational problems for implementing a GIS based environmental assessment on coastal areas". Trabajo presentado en "Environmental Modelling and GIS". 25 de Julio de 1992. University of Reading, Reading, Inglaterra.

Scalise, A., Devoy R. 1992. "The recognition and determination of approaches to help define practical coastal management strategies within European Atlantic coastal environments. " Proceedings of the final meeting of the working" group: "Climate change, sea level rise and associated impacts in Europe "(EPOCH). Faro, Portugal, 6-10 de Octubre de 1992