

General Information

Name of Research Unit:	(EGE-Acores-685) Centro de Estudos em Economia Aplicada do Atlântico (CEEApIA)
Coordinator:	Francisco José Ferreira Silva
Main Scientific Domain:	Economia e Gestão
Other Subdomains:	n/a

Host Institutions

Leading Host Institution: Universidade dos Açores

Other Institutions Involved: Universidade da Madeira

Objectives & Achievements

Unit Description

CEEApIA continues increasing the number of its researchers. In the year 2010 CEEApIA comprehended a total of 30 researchers. In the University of the Azores there are 25 integrated researchers and 5 non-integrated researchers. In Madeira there are 6 integrated researchers and 1 non-integrated researcher.

The research center has now defined some new rules in order to accept new members. A person regarded as Non-Integrated Member can integrate the body of CEEApIA's Researchers if he/she has a PhD and his/her CEEApIA's score is above a minimum classification required to be a Researcher. The classification is defined on CEEApIA's incentive scheme. This criterion also applies to PhD professors from outside the center who show interest in adhering to CEEApIA.

The organization and management of CEEApIA follow, in their essence, from CEEApIA's distinct geographical distribution, with two geographically separate host institutions, on the one hand, and from the research environment it seeks to promote, on the other.

With respect to its geographical distribution, we note that CEEApIA has two host institutions, namely, the University of the Azores (the main host institution, where its administration is based) and the University of Madeira.

CEEApIA's management organization is the same as in the previous years. It is composed by the following units: 1. Scientific Council; 2. Executive Board; 3. Director; 4. Steering Committee.

The Scientific Council is constituted by all integrated researchers and is organized in two sections, Azores and Madeira. The Scientific Council approves CEEApIA's regulations, elects the scientific coordinators and evaluates annual plans and reports.

The Executive Board carries out executive management and is composed by CEEApIA's director (Pedro Telhado Pereira) and the scientific coordinators of each section (Santiago Budria in Madeira and Francisco Silva in the Azores). This ensures timely and coordinated executive management across host institutions. There is a full-

Objectives & Achievements

time staff assistant who alleviates researchers from non-research duties. Finally, the Steering Committee is a panel of well-known international scholars who visit CEEApIA and provide advice on how to foster a better research environment within CEEApIA.

We note that nowadays CEEApIA has in place a transparent scheme that allocates funds according to individual scientific outputs. The incentive scheme is updated whenever a change in the objectives of CEEApIA justifies new mechanisms to redirect researchers' motivations.

While researchers are actively engaged in the definition of CEEApIA's objectives, as they participate in the Scientific Council, they are able to focus on research and every year they know how funds are allocated and, concomitantly, what is expected from them.

General Objectives

CEEApIA preserves as its main objective to create a stimulating environment in order to enhance the quality of the research and, concomitantly, to establish CEEApIA as one of the best research centres in Portugal and a visible research center in Europe. Such a general objective follows from the fact that the researchers affiliated with CEEApIA hold top-notch PhD training from some of the best American and European Universities. Hence, the challenge lies within CEEApIA's management to create a stimulating research environment, that provides the correct stimulus and rewards to the scholars who consistently publish in highly visible international peer reviewed field and general journals.

While the centre moves towards a mature stage its purposes are now centered in the quality of the scientific output. We do find that CEEApIA's researchers should experience in the near future the incentives to take on the risks associated with publishing in better journals, namely journals ranked by ABS (<http://www.the-abs.org.uk/?id=257>) and ISI Web of Knowledge (<http://thomsonscientific.com/cgi-bin/linksj/search.cgi>).

CEEApIA maintains its incentive scheme, created in early 2007 and updated in the year 2009, which allocates research funds according to the quality of individual scientific outputs. Hence, CEEApIA's researchers have incentives to publish in highly visible international peer reviewed journals. The incentive scheme is managed in a dynamic way and currently it is linked to the ABS – Association of Business Schools - Journal Quality Guide (available at <http://www.the-abs.org.uk/?id=257>). This guide has two main advantages: it is updated every year and it considers a wide range of scientific areas namely, accounting, business history, business law, entrepreneurship, general management, human resources management, international business, innovation management, information management, marketing, organization studies, psychology, operations research, public sector management, business strategy and tourism and hospitality management. CEEApIA's researchers are now motivated to publish in top journals of their own area of expertise.

We find most important to secure and widen our sources of funds in order to keep the current momentum going and hire well trained PhDs. This has been already achieved to

Objectives & Achievements

some extent. Hiring should promote discrete quality improvements in fields such as Labour Economics where our comparative strengths lie and, concomitantly, our expected international visibility will arise. We expect to reach critical mass in a small number of fields, such as Labour Economics, Regional Economics/Economic Modelling, Statistics and Operations Management, which, given the already adequate physical and financial resources and fund allocation scheme, will allow us to retain and attract the talent we need in order to become visible in Europe. A more recent area of expertise in which CEEApIA expects to obtain visible outcome is Tourism Economics, where there are already some important publications in journals as the Annals of Tourism Research, Tourism Economics or The International Journal of Tourism Research.

The Fundação para a Ciência e Tecnologia - FCT published in June 2009 the report on CEEApIA's evaluation, where they stressed out some weaknesses of the centre's activity and organization. Following some of the proposals from the evaluation committee the centre updated the incentive scheme. The main differences between the new version of the incentive scheme and the previous one reside on: the ranking of the journals, the status of the researchers and the entrance criteria. In general the incentive scheme became far more demanding.

Main Achievements during the year of 2010

During the year 2010 CEEApIA's researchers published 13 papers in international journals. Some examples are the Applied Economics, Production and Inventory Management Journal, Journal of Income Distribution.

The books/book chapters of CEEApIA's researchers increased in an astounding number during the year 2010 (14 books/book chapters during the year 2010). Some examples of the publishers are: Hershey, New York, IGI Global.

Another milestone has been the successful organization and hosting of several international workshops and conferences. These events have contributed to make the centre more visible at the European level, have fostered the interaction between CEEApIA's members and well-known European researchers and, importantly, have contributed to integrate two ultraperipheral universities (University of the Azores and University of Madeira) into the national and European networks of economic research. In the year 2010 we highlight the following events: 6th Portuguese Finance Network Conference - PFN 2010, APDEA 2010 Congress.

The third achievement has been to stimulate and create incentives for the production of high quality economic and management research. This has been implemented through, first, the transmission from CEEApIA's senior researchers to young researchers of a culture of commitment with scientific research, encouraging the cooperation between researchers inside and outside the Centre, stimulating the economic discussion among affiliates, and supporting scientific initiatives aimed to maintain the visibility of the centre and disseminate its scientific production..

CEEApIA is fastly being perceived as a stimulating place to carry out research with not only adequate physical and financial resources but also interesting networking activities. In the year 2010 there were two post-doc researchers working at the centre in

Objectives & Achievements

the areas of labour economics and regional economics.

Activities

Integrative/multidisciplinary activities during the year of 2010

CEEApLA's objectives include the dissemination of scientific work in several disciplines. Whereas some of the most experienced researchers are working in the area of labour economics some younger researchers are developing research in areas such as general management, marketing, operations research, tourism economics, finance and organizational behaviour among others. That helps to explain why CEEApLA is not a specialized centre and in the near future CEEApLA's researchers will undoubtedly entertain a wide spectrum of research interests (in the long run we may experience a relatively higher degree of concentration of our research interests in a small number of fields, mainly through hiring selection over time, in order to obtain critical mass and quality and, concomitantly and most importantly, visibility at the National and at the European level). In order to achieve such goal, CEEApLA sponsors a number of initiatives permanently available to not only its members but also to society at large. Hence, CEEApLA's internet site, with a wealth of information about CEEApLA's members' activities, regular seminar series, discussion papers series, regular workshops, are just some of the activities carried out at CEEApLA that allows our researchers to interact regardless their fields of origin. During the year 2010 CEEApLA's researchers participated in more than 20 international scientific events including conferences as the AIEL Conference of Labour Economics, ERSA – European Regional Science Association, 2010 AMA Summer Marketing Educators', European Financial Management Association, Midwest Finance Association, EURO 2010 – 24th European Conference on Operational Research, Eastern Finance Association Conference, EcoMod 2010. CEEApLA working papers series is also dynamic. During the year 2010 a total 17 new documents were published as part of the CEEApLA working papers series. CEEApLA seminar series counted with a total of 6 presentations during the year 2010. These sessions are opened to the academic public in general. We highlight the following presentations during the year 2010: “Exact and Approximate Column Generation based Approaches for Integer Programming and Combinatorial Optimization Problems” Filipe Alvelos (Minho University); “Uma Avaliação do Programa de Investigação Neoclássico”, Nuno Martins (University of the Azores); “Team Based Teaching: The Case of Quantitative Modeling”, David Hartmann (University of Minnesota); “Nature and Scope of Tourism: Research and Education”, Jafar Jafari (Allgarve University); “Índices para Avaliação de Agrupamentos” Margarida Cardoso (ISEG – UTL); “A sustentabilidade do turismo e os desafios da sua Gestão”, João Albino Silva (Allgarve University). CEEApLA is at the moment organized in four research groups: labour economics, international business; regional economic modelling and public Policy Analysis; and statistics and operations management. Researchers are motivated to work not only with other researchers of the same group but also with researchers from other groups.

Outreach activities during the year of 2010

CEEApLA intensively sponsored several outreach activities in the year 2010. With respect to science, we note, firstly, that CEEApLA's researchers published extensively, in international peer reviewed journals, national journals, discussion paper series, conference proceedings and, to a lesser extent, also published books (mostly in-house publishing and educational books). By the same token, CEEApLA's researchers have

Activities

presented papers at a large number of conferences on a regular basis.

CEEApIA's research members also provided the expected and much appreciated services to science and to their professions by being reviewers to several top field journals and some well known general journals. Editing activities are less pervasive among CEEApIA's members, perhaps due to the large number of young PhD's that we find in CEEApIA. CEEApIA's researchers also took an active role in organizing scientific events, from small workshops to medium sized and to a regular seminar series

While the core of CEEApIA's activities obviously lies within the scientific realm, CEEApIA actively promoted interactions with the general public, mostly through the organization of events (for instance, CEEApIA's events were attended by private and public institutions' representatives).

Finally, CEEApIA has collaborated with several departments of its host institutions, by providing research infrastructure and mentoring to a number of Master and PhD students. CEEApIA's researchers are supervising more than 10 PhD students and a large number of masters' students contributing undoubtedly to the future of scientific research in Portugal.

Funding

	2008	2009	2010
LA FCT	0,00	0,00	0,00
Units FCT	51.300,00	49.444,43	56.012,37
Projects FCT	0,00	0,00	0,00
Other (National)	28.560,00	53.899,04	35.872,29
Other (International)	0,00	0,00	0,00
National Industry	0,00	0,00	0,00
International Industry	0,00	0,00	0,00
	79.860,00	103.343,47	91.884,66

General Indicators

	2006	2007	2008	2009	2010	Total
No. of Researchers Proposed	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers Hired (LA)	0,00	0,00	0,00	0,00	0,00	0,00
Balance	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers Hired (Ciência Programme)	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers integrated with PhD	18,00	20,00	21,00	24,00	25,00	
Training Masters (Master thesis completed)	0,00	4,00	0,00	17,00	0,00	21,00
Training PhDs (PhD thesis completed)	2,00	1,00	1,00	1,00	1,00	6,00

Researchers Hired

Researchers Hired

Name	Start Date	End Date	Other Institution
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No researchers found...

Technical Personnel Hired

Name	Start Date	End Date	Other Institution
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No technical personnel found...

Additional Comments

Research Groups

Reference	Title / Principal Investigator
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RG-Madeira-685-1184	Labour Economics (Pedro Telhado Pereira)
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RG-Acores-685-2121	International Business (João Pedro de Almeida Couto)
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RG-Acores-685-2122	Statistics and Operations Management (Francisco José Ferreira Silva)
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RG-LVT-685-3193	Regional Economic Modeling and Public Policy Analysis (Mário José Amaral Fortuna)
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RG-LVT-685-3193	Regional Economic Modeling and Public Policy Analysis (Mário José Amaral Fortuna)
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Group Description

Title of Research Group:	(RG-Madeira-685-1184) Labour Economics
Principal Investigator:	Pedro Telhado Pereira
Main Scientific Domain:	Economia e Gestão
Group Host Institution:	Universidade da Madeira

Funding, source, dates

Funding, source, dates

The Labour Economics group obtained funding from the Department of Management and Economics in the University of the Azores and CEEAplA's own funds. These funds have been used to attend several well-known international conferences in the field, such as the annual conferences of the European Association of Labour Economists (EALE), European Society of Population Economics (ESPE).

Objectives & Achievements

Objectives

The impressive educational expansion experienced by most developed countries over the last decades has called the attention of policy makers and researchers in the field on

Objectives & Achievements

the potential labour market consequences of such an expansion.

The leading objective of the Labour Economics Group has been to improve the existing knowledge on the relation between training and education, on the one side, and different labour market outcomes such as wage levels, wage inequality and job satisfaction, on the other side.

To achieve this objective, several milestones were identified. The first milestone was to use international comparable and up-to-date data to investigate the impact that different levels and types of education and training have on wage levels and wage dispersion in Portugal and in Europe, and how this impact has evolved over the last decades.

Given the observed association between education and wage dispersion, the second milestone was to obtain, from the individual perspective, further insights on the risky aspects of the educational investment. Specifically, it was investigated the education risk-return trade-off across occupations, the extent of the wage risk associated with schooling, and the impact of part-time education on the observed risk-return trade-off.

The ongoing educational expansion has been parallel to an increasing proportion of workers in jobs for which they are over-qualified. This trend has raised important efficiency concerns among policy makers, as it suggests that a significant fraction of workers are underperforming in their jobs. The third milestone was, therefore, to provide in-depth evidence on the effects that the overeducation phenomenon has on wage levels, wage inequality and job-satisfaction.

The fourth milestone was to identify causes and provide explanations for the observed patterns. The Labour Economics Group has investigated and tested how relevant labour market aspects such as unobserved ability, overeducation, collective bargaining and different labour market institutions shape the wage distribution and determine the amount of wage risk associated with schooling.

Main Achievements

In the year 2010, the Labour Economics Group has published around 5 papers in peer-reviewed journals.

The group has regularly attended seminars in well-known institutions and participated in the best international conferences in the field, including EALE, ESEM and ESPE, and has established important scientific collaborations with experts from highly recognized institutions (Timbergen Institute, Carlos III, University of London). This has resulted in several joint works that have been already published and several lines of research that are, currently, ongoing.

Group Productivity

Publications in peer review Journals

Santiago Budría, "Economic Inequality in Portugal: A Picture in the Beginnings of the 21st century", *Journal of Income Distribution*, Vol. 19 (2), June 2010.

Corrado Andini, "Within-Groups Wage Inequality and Schooling: Further Evidence for

Group Productivity

Portugal", *Applied Economics*, Vol. 42 (28), pp. 3685-3691, 2010.

Corrado Andini, "A Dynamic Mincer Equation with an Application to Portuguese Data", *Applied Economics*, Vol. 42 (16), pp. 2091-2098, 2010.

Santiago Budría, "Schooling and the Distribution of Wages in the European Private and Public Sectors", *Applied Economics*, Vol. 42 (8), pp. 1045-1054, 2010.

Santiago Budría, "The Socioeconomic Determinants of Economic inequality", *Revista Internacional de Sociología*, Vol. 68 (1), pp. 81-124, 2010.

Other international publications

Corrado Andini, "How Fast Do Wages Adjust to Human-Capital Productivity? Dynamic Panel-Data Evidence from Europe and the United States", *Proceedings of 25th National Conference of the Italian Association of Labour Economists*, CD-ROM, Setembro de 2010.

Corrado Andini, "How Fast Do Wages Adjust to Human-Capital Productivity? Dynamic Panel-Data Evidence from Europe and the United States", *Proceedings of The Econometrics of Healthy Human Resources Conference*, CD-ROM, Maio de 2010.

Corrado Andini e Ricardo Cabral, "How Do Mobile-Voice Operators Compete?", *Proceedings of the 1st Workshop on the Economics of ICTs*, CD-ROM, Março de 2010.

Other national publications

Santiago Budría and Pablo Swedberg, "The Determinants of Spanish Language Proficiency among Immigrants in Spain", *CEEApIA Working Paper no. 17/2010*, December 2010.

Santiago Budría and Pablo Swedberg, "The Impact of Spanish Language Proficiency on the Labor Market Outcomes of Immigrants in Spain", *CEEApIA Working Paper no. 16/2010*, December 2010.

Santiago Budría and Pablo Swedberg, "The Shadow Value of Employer-Provided Training", *CEEApIA Working Paper no. 15/2010*, December 2010.

Paulo Oliveira and Pedro Telhado Pereira, "Valuing Nature Attributes by the Tourists – Are there Socio-Demographic Differences?", *CEEApIA Working Paper no. 05/2010*, June 2010.

António Gomes de Menezes, Ana Moniz and José Cabral Vieira, "The Determinants of Length of Stay in the Azores: A Count Model Approach", *CEEApIA Working Paper no. 03/2010*, March 2010.

Pedro Telhado Pereira, "Higher Education attainment – the case of intergenerational transmission of education in Portugal", *CEEApIA Working Paper no. 02/2010*, March 2010.

Group Productivity

Corrado Andini, "How Fast Do Wages Adjust to Human-Capital Productivity? Dynamic Panel-Data Evidence from Europe and the United States", CEEAplA Working Paper no. 01/2010, February 2010.

Carlos Santos, Gualter Couto, Pedro Pimentel and José Cabral Vieira, "Quality of the Azores Destination in the Perspective of Tourists", CEEAplA Working Paper no. 08/2010, July 2010.

Ph.D. thesis completed

Doutores António José Vasconcelos Franco Gomes de Menezes, Dinis Duarte Ferreira Pestana e Maria de Fátima Almeida Brilhante, orientadores das provas de Doutoramento em Ciências Económicas e Empresariais, especialidade de Planeamento Económico e Métodos Quantitativos (Universidade dos Açores), da Mestre Maria Luísa Silva Rocha, intituladas "Modelos e Evidência Empírica na Limitação de Riscos Financeiros", (Defendida).

Doutor José Cabral Vieira, orientador das provas de Mestrado em Ciências Económicas e Empresariais (Universidade dos Açores), do licenciado Dário Fernando Rodrigues Vaz, intituladas "A Rendibilidade da Educação em Portugal: Uma Análise Regional", (Defendida).

Doutor José Cabral Vieira, orientador das provas de Mestrado em Ciências Empresariais (Universidade dos Açores) da licenciada Carina Pereira Viveiros, intituladas "Análise dos Factores que Influenciam a Duração Média do Rendimento Social de Inserção: uma aplicação aos Açores". (Defendida).

Doutor Cabral Vieira, orientador das provas de Mestrado em Ciências Económicas e Empresariais (Universidade dos Açores), da licenciada Carina Pereira Viveiros, intituladas "Análise dos Factores que Influenciam a Duração Média do Rendimento Social de Inserção: Uma Aplicação aos Açores", (Defendida).

Internationalization

Ainura Uzagalieva, "Innovation Management in Companies", Plastic Electronics 2010 Conference & Exhibition, (Dresden, Germany), October, 2010.

Ainura Uzagalieva, "Technological Imitation and Innovation in New European Union Markets", XV AIEL Conference of Labour Economics, (Pescara, Italy), September, 2010.

Corrado Andini, "How Fast Do Wages Adjust to Human-Capital Productivity? Dynamic Panel-Data Evidence from Europe and the United States", 25th National Conference of the Italian Association of Labour Economists, Setembro de 2010, Universidade de Chieti-Pescara, Itália.

Ainura Uzagalieva, "Technological Imitation and Innovation in New European Union Markets", VII International Conference on Developments in Economic Theory & Policy, (Bilbao, Spain), July, 2010.

Corrado Andini, "How Fast Do Wages Adjust to Human-Capital Productivity?"

Group Productivity

Dynamic Panel-Data Evidence from Europe and the United States", The Econometrics of Healthy Human Resources, Maio de 2010, Universidade de Roma La Sapienza, Itália.

Ainura Uzagalieva, "Macroeconomics and Reality" and 5 Years after "Nominal Rigidities and the Dynamic Effects of a Shock to Monetary Policy", JEDC Conference on Frontiers in Structural Macroeconomic Modeling: 30 Years after (Tokyo, Japan), January 2010.

Group Description

Title of Research Group:

(RG-Acores-685-2121)

International Business

Principal Investigator:

João Pedro de Almeida Couto

Main Scientific Domain:

Economia e Gestão

Group Host Institution:

Universidade dos Açores

Funding, source, dates

Funding, source, dates

In the recent past, funding has been obtained from CEEAplA own funds, from Direcção Regional para a Ciência e a Tecnologia (the Azorean Government sponsored counterpart to FCT), and from the Department of Economics and Management from the University of the Azores. Most funds have been allocated to travel to present articles at international conferences, as documented elsewhere in this report. As described in "Future Research", funding is secured for the coming years since CEEAplA has in place a scheme that allocates funds according to individual scientific outputs. In addition, CEEAplA's funds, also described at length elsewhere in the report, are sufficient to meet our most pressing needs, namely, to be able to present our articles at international conferences.

Objectives & Achievements

Objectives

This research group primary objective is to study the international business environment and the activities of firms in a global context.

Within this purpose the work that has been developed involves three major areas of research: (1) multinationals functions and management; (2) international marketing; and (3) innovations and technological development and their impact on international business and national competitiveness. These objectives are connected with the principal investigator main area of study and academic training and are also connected with teaching activities within the international business (IB) field, namely the internationalization process, multinational functions and management, and especially foreign subsidiaries management. The research breaches to the area of international marketing, with particular emphasis on the internet marketing due to the PhD developed by one of the researchers. The internet and information and communications (ICT's) have taken a relevant role due to the importance of these aspects for firms in general, and multinational companies are no exception, and due to the growing importance of technologies to national competitiveness, as a firm's fundamental environmental element in the international context. Again, some of these topics are

Objectives & Achievements

covered the research developed by one of the team researchers, currently writing his PhD thesis. One main perspective in developing these research lines was to explore the potential of collaborations with researchers from other research groups and institutions. That was the case of collaborations with Prof. José Vieira, Francisco Silva and Mário Fortuna who belong to other research groups from CEEAplA and Prof. Vítor Gonçalves from the Technical University of Lisbon or Prof. Maria Natário and Ascensão Braga from the Guarda Polytechnic Institute. The research group finds this research area intellectually stimulating and conducive to publications in highly visible field and general journals due to the growing interest in such literatures, given the importance of the underlying issues. We note that the research has undertaken a number of business surveys in order to obtain primary data, much appreciated for its uniqueness. To pursue such line of research is an objective of the research group, with the challenge being to publish consistently in highly visible journals.

Main Achievements

The main achievements during the evaluation period can be identified with the establishment of the group, the presentation of scientific papers in international conferences and the publication of articles in international academic journals with peer review. Since this is a recently established research group, very small and with few, and young PhD members, the achievements obtained during the evaluation period are connected with the development of the group, the implementation of collaborative work bases with researchers from other groups and the accumulation of the competences and experiences necessary to develop the group research activities. This objective has been achieved and five Master thesis were completed. The presentation in international conferences was an objective to gain experience and knowledge, skills in research activities and to establish contacts with other researchers. This objective resulted in the presentation of 9 papers in international conferences. The third major achievement regards publications that represent the fundamental indicator for the research group activities. In the year 2010 were published 2 books and 2 chapters in a book. The group also organized the 4 workshops.

Group Productivity

Other international publications

Maria Teresa Tiago e Francisco Amaral, “Determinants of Loyalty Intention in Portuguese Mobile Market”, in Cruz-Cunha, M. &Moreira, F. (2010) Handbook of Research on Mobility and Computing: Evolving Technologies and Ubiquitous Impacts, IGI Global.

Maria Manuela Santos Natário, João Pedro Almeida Couto, Maria Teresa Borges Tiago e Ascensão Maria Martins Braga, “Factors and Dimensions of National Innovative Capacity”, IN Innovation in Business and Enterprise: Technologies and Frameworks, Latif Al-Hakim and Chen Jin Eds., Business Science reference, Hershey, New York, Chapter 7, 2010.

Maria Teresa Tiago e Flávio Tiago, “Knowledge management and its contribution to e-business activities” in proceedings ICICKM 10, HK, December 2010.

Maria Manuela Natário, João Pedro Couto, Ascensão Maria Braga e Maria Teresa

Group Productivity

Tiago, “Evaluating the Determinants of National Innovative Capacity among European Countries”, in Proceedings 50th ERSA Congress – Sustainable Regional Growth and Development in the Creative Knowledge Economy, 19-23 Agosto 2010.

Maria Teresa Tiago e Flávio Tiago, “The impact of internet marketing on firms’ online performance: European evidences”, in proceedings 2010 AMA Summer Marketing Educators' Conference Boston, EUA, August 2010.

João Pedro Couto, Maria Teresa Tiago, Manuela Natário e Maura Sousa “Grau de Inovação das Pequenas e Médias Empresas nas Regiões Periféricas da Guarda e Açores”, in proceedings APDR 2010 Funchal, July 2010.

João Couto, Maria Teresa Tiago, Ascensão Braga e CláudiaOliveira, “Estratégia das Web Pages das Câmaras Municipais Portuguesas”, in proceedings APDR 2010 Funchal, July 2010.

Pedro Pimentel, José Azevedo-Pereira e Gualter Couto, “High Speed Rail Transport Valuation and Policy Decisions”, Proceedings of Portuguese Finance Network - 6th Finance Conference, CD-ROM/ISBN 978-972-8612-59-7, 1-3 de Julho de 2010.

Pedro Pimentel, Gualter Couto e Cláudia Nunes, “High Speed Rail Transport Valuation and Conjuncture Shocks”, Proceedings of Portuguese Finance Network - 6th Finance Conference, CD-ROM/ISBN 978-972-8612-59-7, 1-3 de Julho de 2010.

Bart M. Lambrecht, Grzegorz Pawlina and João C. A. Teixeira, "The Dynamics of Outsourcing and Integration", Proceedings of Portuguese Finance Network - 6th Finance Conference, CD-ROM/ISBN 978-972-8612-59-7, 1-3 de Julho de 2010.

Maria Manuela Natário, João Pedro Couto, Ascensão Maria Braga e Maria Teresa Tiago, “Evaluating the Determinants of National Innovative Capacity among European Countries”, in Proceedings IAMOT - 19th International Conference on Management of Technology 2010, 7-11 March 2010.

Other national publications

João Pedro Couto “Grau de Inovação das Pequenas e Médias Empresas nas Regiões Periféricas da Guarda e Açores”, APDR 2010 Funchal, July 2010.

João Couto, “Estratégia das Web Pages das Câmaras Municipais Portuguesas”, APDR 2010 Funchal, July 2010.

João Pedro Couto and Paulo Alexandre Amaral Barata, "Angola Renasce: Um estudo sobre as perspectivas de ampliação das relações económicas entre Portugal e Angola", CEEAplA Working Paper no. 11/2010, December 2010.

Maria Manuela Natário, João Pedro Couto and Maura Helena Couto de Sousa, “Grau de Inovação das Pequenas e Médias Empresas nas Regiões Periféricas da Guarda e Açores”, CEEAplA Working Paper no. 10/2010, December 2010.

Flávio Gomes Borges Tiago, Maria Teresa Borges Tiago and João Pedro Almeida

Group Productivity

Couto, "Knowledge Management: Critical Perspectives on E-Business Activities", CEEAplA Working Paper no. 09/2010, October 2010.

Gualter Couto and Ricardo Faria, "PSI-20 Fluctuation: Correlation of the Portuguese Stock Market with Major Global Capital Markets", CEEAplA Working Paper no. 06/2010, July 2010.

Maria Teresa Tiago, "Virtual SCM Impact on E-Business Performance: The European Case" (May 4, 2010) Paper n° 973310 WPS 1600142 SSRN.

Ph.D. thesis completed

Doutor Gualter Couto, orientador das provas de Mestrado em Gestão/MBA (Universidade dos Açores), do licenciado Ricardo Jorge Furtado Faria, intituladas "Estudo das Oscilações do PSI-20. Correlação do Mercado Português com os Principais Mercados de Capitais Mundiais", (Defendida).

Doutora Maria Teresa Tiago, orientadora das provas de Mestrado em Gestão/MBA (Universidade dos Açores), do licenciado Dionísio Melo Carreiro da Costa Cardoso, intituladas "Determinantes na satisfação e fidelização de clientes", (Defendida).

Doutor João Pedro Couto, orientador das provas de Mestrado em Ciências Económicas e Empresariais (Universidade dos Açores), da licenciada Cláudia Picanço da Cunha Oliveira, intituladas "A Estratégia das Webpages das Câmaras Municipais Portuguesas", (Defendida).

Doutores João Pedro Couto, orientadores das provas de Mestrado em Ciências Económicas e Empresariais, da licenciada Diana Rocha Botelho intituladas "Satisfação e fidelidade dos turistas no sector hoteleiro: uma aplicação à ilha de São Miguel", (Defendida).

Doutores Graça Batista, orientadores das provas de Mestrado em Ciências Económicas e Empresariais (Universidade dos Açores), da licenciada Carla Maria de Melo Sousa Costa Carreiro, intituladas " A Incorporação de Novas Tecnologias no Desempenho das Funções: Evolução Perceptiva ", (Defendida).

Organization of conferences

Maria Teresa Tiago e José Rosa Nunes, MAP – International Workshop in Renewable Energies, 17-21 de Maio 2010, Ponta Delgada.

Maria Teresa Tiago, MAP – Marketing para Executivos, 27 de Maio a 2 de Junho 2010, Ponta Delgada.

Maria Teresa Tiago e Flávio Tiago, MAP –Workshop Gestão da Mudança, 4-9 de Outubro 2010, Ponta Delgada.

João Pedro Couto et al., 35º Colóquio da Qualidade – Mar de Oportunidades, 11 e 12 Novembro 2010, Hotel Royal Garden, Ponta Delgada.

Group Productivity

Internationalization

Tiago, F., Tiago, M. T. B. e Couto, J.P. (2010) "Knowledge management and its contribution to e-business activities", ICICKM 10, HK, December 2010.

Tiago, M. T. B. e Tiago, F. (2010), "The impact of internet marketing on firms' online performance: European evidences", 2010 AMA Summer Marketing Educators', Conference Boston, EUA, August 2010.

João C. A. Teixeira, "The Dynamics of Outsourcing and Integration", 25th Annual Congress of the European Economic Association, 23-26 de Agosto de 2010, Glasgow, Reino Unido.

Pedro Miguel Pimentel, "High Speed Rail Transport Valuation and Policy Decisions", Portuguese Finance Network - 6th Finance Conference, 1-3 de Julho de 2010, Ponta Delgada, Portugal.

João C. A. Teixeira, "The Dynamics of Outsourcing and Integration", Portuguese Finance Network - 6th Finance Conference, 1-3 de Julho de 2010, Ponta Delgada, Portugal.

João C. A. Teixeira, "The Dynamics of Outsourcing and Integration", 2010 European Financial Management Association Annual Meeting, 23-26 de Junho de 2010, Aarhus, Dinamarca.

João C. A. Teixeira, "The Dynamics of Outsourcing and Integration", 2010 Annual International Real Options Conference, 15-18 de Junho de 2010, Roma, Itália.

João C. A. Teixeira, "Outsourcing with Debt Financing", 2010 Eastern Finance Association Conference, 14-17 de Abril de 2010, Miami, E.U.A.

João C. A. Teixeira, "Outsourcing with Long Term Contracts: Capital Structure and Product Market Competition Effects", 2010 Eastern Finance Association Conference, 14-17 de Abril de 2010, Miami, E.U.A.

Ana Isabel Moniz, Manuela Magalhães Hill e João Albino Silva, "A sustentabilidade do turismo em ilhas de pequena dimensão: O caso dos Açores", INVTUR 2010, 10-13 de Março de 2010, Aveiro, Portugal.

João C. A. Teixeira, "Outsourcing with Long Term Contracts: Capital Structure and Product Market Competition Effects", 2010 Southwestern Finance Association (SWFA) Conference, 4-6 de Março de 2010, Dallas, E.U.A.

João C. A. Teixeira, "Outsourcing with Debt Financing", 2010 Southwestern Finance Association (SWFA) Conference, 4-6 de Março de 2010, Dallas, E.U.A.

João C. A. Teixeira, "Outsourcing with Long Term Contracts: Capital Structure and Product Market Competition Effects", 2010 Midwest Finance Association (MFA)

Group Productivity

Conference, 24-27 de Fevereiro de 2010, Las Vegas, E.U.A.

João C. A. Teixeira, "Outsourcing with Debt Financing", 2010 Midwest Finance Association (MFA) Conference, 24-27 de Fevereiro de 2010, Las Vegas, E.U.A.

Group Description

Title of Research Group:	(RG-Acores-685-2122) Statistics and Operations Management
Principal Investigator:	Francisco José Ferreira Silva
Main Scientific Domain:	Economia e Gestão
Group Host Institution:	Universidade dos Açores

Funding, source, dates

Funding, source, dates

Funding comes mainly from CEEApLA's scheme that allocates funds according to individual scientific outputs. In addition, the researchers of the group are encouraged to consistently seek additional funding sources, such as research grants from FLAD or Direcção Regional da Ciência e Tecnologia (DRCT, the Azorean Government sponsored counterpart to FCT), whenever possible, in order to increase funds that, as said above, are directed to scholarly missions.

Objectives & Achievements

Objectives

The research group in Statistics and Operations Management has as a central objective the development, analysis and computational solution of new mathematical optimization models which must constitute an important contribution to the state-of-the-art in the methodologies employed.

The methodologies to be used are based on the quantitative approach of Operations Research for developing and solving realistic models and on the statistical analysis for a better understanding of the empirical cases. The group aims to develop research in the field of operations management, at the interface between management, information systems and mathematics.

Another objective of the group is to achieve technology transfer to private and public organizations and improve the management of productive and logistic systems. It is difficult to accomplish any marketing or manufacturing objectives without a well coordinated logistical support system. It involves the integration of information, transportation, inventory, warehousing, material handling, and packaging. The operating responsibility of logistics is the geographical repositioning of raw materials, work in progress, and finished inventories where required at the lowest cost possible. Coordinating all these activities both within and among companies is a difficult task asking for help to academia and to researchers.

A main objective of the research group is to publish consistently in highly visible international peer reviewed field and general journals such as, without loss of generality, Annals of Operations Research, European Journal of Operations Research, Networks, Management Science, Journal of Regional Science, among others.

Objectives & Achievements

Main Achievements

The main achievements of the research group are extremely varied, including theoretical contributions, applied research, participation on conferences and workshops, development of international connections with other research groups, Ph.D. and Master's thesis supervision.

The group brings together people from different disciplines to work on technology and operations management research projects. They consist of theoretical and model based research, surveys implementation and statistical analysis to operations management problems.

The research group is starting now its activity with an intense effort in research and we expect to achieve most of our objectives in the near future.

Group Productivity

Publications in peer review Journals

António Almeida e A. Correia, "Analysis of development of Tourism in Madeira based on the life cycle approach", *Tourism Economics*, Vol. 16 (2), 2010.

Francisco Silva, Gualter Couto e Hugo Janai, "Entrepreneurial Potential in the Younger Generation", *Journal of Small Business and Entrepreneurship*, October 2010.

Francisco Silva and Jacinto Raposo, "Joint Replenishment of Automatic Teller Machines", *Production and Inventory Management Journal*, Vol. 46 (1), 2010.

Other international publications

Mendes, Armando B. (2010) "BI and data warehouse solutions for energy production industry: Application of the CRISP-DM methodology" Em: Respício, A.; Adam, F.; Phillips-Wren, G.; Teixeira, C. e Telhada, J. (Eds.) "Bridging the Socio-technical Gap in Decision Support Systems: Challenges for the next decade", *Frontiers in Artificial Intelligence and Applications*. IOS Press, pp.211-222. ISBN: 978-1-60750-576-1.

Emiliana Silva e Julio Berbel, "Is the profit an objective of dairy farms?", *Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza*, CD-ROM/SBN 978-972-8612-61-0, 15-17 Julho de 2010.

Tânia Ferreira, Emiliana Silva, Ana Cristina Palos e Rosalina Gabriel, "Terceira: Consumos e desperdícios de água. A Educação Ambiental numa realidade insular", *Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza*, CD-ROM/SBN 978-972-8612-61-0, 15-17 Julho de 2010.

Martin Trapecar e Emiliana Silva, "Acceptance and attitude towards natural preservatives of food on island Terceira", *Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza*, CD-ROM/SBN 978-972-8612-61-0, 15-17 Julho de 2010.

Group Productivity

Carlos Oliveira, Armando Mendes e Emiliania Silva, "Quotas Leiteiras: Aplicação do Método Delphi", Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza, CD-ROM/SBN 978-972-8612-61-0, 15-17 Julho de 2010.

Rosalina Gabriel e Emiliania Silva, "O ambiente e a Educação: o caso das zonas interiores e insulares", Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza, CD-ROM/SBN 978-972-8612-61-0, 15-17 Julho de 2010.

Armando Mendes, Emiliania Silva e Veska Noncheva, "Terceira farms`efficiency measurement using DEA and CCA", Actas do VI Congresso da Associação Portuguesa de Economia Agrária - APDEA, IV Congresso de Gestão e Conservação da Natureza, CD-ROM/ISBN 978-972-8612-61-0, 15-17 Julho de 2010.

Mendes, Armando B. e Ferreira, José M.S. (2010) "Efeito de Factores Climáticos no Consumo de Energia Eléctrica", Livro de artigos JOCLAD 2010, ISCTE: Lisboa, pp. 83-86.

Mendes, Armando; Funk, Matthias e Caviq, Luís (2010) "Knowledge Discovery in the Virtual Social Network Due to Common Knowledge of Proverbs". DMIN'09 Proceedings, ISBN 1-60132-099-X.

Other national publications

António Almeida e L. Machado, Turismo - Inovação e Novas Tecnologias, Rumos, Caderno Inovação e Novas Tecnologias Ed., 2010.

Armando Mendes, "Efeito de Factores Climáticos no Consumo de Energia Eléctrica", XVII Jornadas de Classificação e Análise de Dados (JOCLAD2010) decorrem de 25 a 27 de Março de 2010 no ISCTE – Instituto Universitário de Lisboa.

Armando Mendes, "Contributos para a qualidade da água da lagoa das Furnas, São Miguel, Açores. Relações entre o crescimento de cianobactérias e medidas de factores abióticos", 10.º Congresso da Água, 21-24 de Março, Algarve.

Armando B. Mendes, Veska Noncheva and Emiliania Silva, "Canonical Correlation Analysis and DEA for Azorean Agriculture Efficiency", CEEApLA Working Paper no. 14/2010, December 2010.

Veska Noncheva, Armando B. Mendes and Emiliania Silva, "Azorean Agriculture Efficiency by PAR", CEEApLA Working Paper no. 13/2010, December 2010.

José A. G. de Vargas Guerra and Armando B. Mendes, "Sistema de Apoio à Decisão para a Gestão Escolar", CEEApLA Working Paper no. 12/2010, December 2010.

Maria de Fátima Brilhante, Dinis Pestana and Maria Luísa Rocha, "Betices", CEAUL Working Paper no. nº 20/2010, 2010.

Dinis Pestana, Maria Luísa Rocha, R. Vasconcelos and Sílvia Velosa, "Publication Bias

Group Productivity

and Meta-Analytic Syntheses", CEAUL Working Paper no. nº 7/2010, 2010.

Francisco Silva, Gualter Couto and Hugo Coelho, "Prediction of Entrepreneurship: An Ordered Regression Approach", CEEAplA Working Paper no. 07/2010, July 2010.

Ph.D. thesis completed

Francisco Silva e Graça Batista, orientadores de Mestrado em Ciências Económicas e Empresariais, do licenciado Martinho Medeiros Botelho, "Sata Rallye Açores: aferição da despesa efectuada e satisfação com o evento".

Francisco Silva e João Teixeira, orientadores de Mestrado em Ciências Económicas e Empresariais, da licenciada Leonor Gomes Furtado, "As práticas de Outsourcing nos Açores".

Francisco Silva e Graça Batista, orientadores de Mestrado em Ciências Económicas e Empresariais, do licenciado João Pedro Pereira Dâmaso, "A relevância de pequenos eventos desportivos na economia e no turismo regional: o caso dos Azores International Bridge Festival".

Fernando Lopes e Francisco Silva, orientadores de Mestrado em Ciências Económicas e Empresariais, da licenciada Dália da Conceição Medeiros Martins, "Estimação dos preços hedónicos para o Mercado Português Automóvel, 2004-2008".

Francisco José Ferreira Silva, orientador de Mestrado em Ciências Económicas e Empresariais, do licenciado Nelson Pacheco Elias, "Mecanismo de Transmissão de Preços dos Combustíveis em Portugal".

Francisco Silva e Graça Batista, orientadores de Mestrado em Ciências Económicas e Empresariais, da licenciada Maria Filomena Jesus Pacheco, "O Impacto da Gestão de Recursos Humanos no Desempenho Organizacional".

Francisco Silva e Graça Batista, orientadores de Mestrado em Ciências Económicas e Empresariais, do licenciado Nelson Jorge Félix Barroso, "Avaliação do Serviço Prestado aos Agricultores pelas Cooperativas Agrícolas na Ilha de São Miguel".

Francisco Silva, orientador de Mestrado em Ciências Económicas e Empresariais, do licenciado Ricardo Jorge Medeiros Fonseca, "A Procura de Gasolina em Portugal no Período 1960-2008: Cálculo das Elasticidades de Curto e Longo Prazo".

Francisco Silva, orientador de Mestrado em Ciências Económicas e Empresariais, do licenciado Rui Alexandre Viveiros Ponte, "Estimação da Função Produção e Rendimento de Leite por Animal. Aplicação da Função Gama Incompleta à Ilha de São Miguel".

Francisco Silva, orientador de Mestrado em Ciências Económicas e Empresariais, do licenciado Artur Manuel Dores Alves, "Abastecimento Conjunto de Caixas Automáticas Multibanco: Uma Aplicação do Problema de Abastecimento Conjunto com Factor de Correção".

Group Productivity

Francisco Silva e Maria da Graça Batista, orientadores de Mestrado em Ciências Económicas e Empresariais, da licenciada Alexandra Graça Dutra Martins, "Diferenças Perceptivas do Produto Turístico “Açores”: Influência do País de Origem".

Francisco Silva e Graça Batista, orientadores de Mestrado em Gestão/MBA, do licenciado Luis Carlos do Rego Furtado, "O Impacto da Liderança Situacional na Satisfação e Rotatividade dos Enfermeiros dos Hospitais da Região Autónoma dos Açores".

Francisco Silva e Maria da Graça Câmara Batista, orientadores de Mestrado em Gestão/MBA, do licenciado António Maria Marques Feijó, "Impacto do Sistema de Gestão da Qualidade nas Atitudes dos Trabalhadores: Estudo Aplicado às Empresas Certificadas em São Miguel “.

Francisco Silva, orientador de Mestrado em Ciências Económicas e Empresariais do licenciado José Joaquim Arruda, "Optimização das Rotas e Distribuição: O Caso da Melo Abreu na Cidade de Ponta Delgada".

Armando Mendes, orientador de Mestrado em Gestão/MBA do licenciado José António Goulart Vargas Guerra, "Sistema de Apoio à Decisão para a Gestão Escolar ".

Organization of conferences

Armando Mendes, Alberto Baptista, Emiliania Silva, Fernando Lopes, Francisco Silva, Livia Madureira, Miguel Sottomayor, Susana Sardinha e Tomaz Dentinho, VI Congresso da APDEA - IV Congresso de Gestão e Conservação da Natureza, 15-17 de Julho 2010, Ponta Delgada.

Internationalization

Mendes, Armando (2010) “Open-Source Software in OR Education”, EURO 2010 – 24th European Conference on Operational Research, 11-14 July, Lisbon.

Mendes, Armando (2010) “Hierarchical Clique Analysis in Social Networks Due to Common Knowledge of Proverbs” EURO 2010 – 24th European Conference on Operational Research, 11-14 July, Lisbon.

Mendes, Armando (2010) “Large Social Networks Visualization Using the Algorithm of the Spanning Tree with Maximum Number of Leaves” EURO 2010– 24th European Conference on Operational Research, 11-14 July, Lisbon.

Fernando Lopes, "Parques florestais de recreio florestal: o caso do Pinhal da Paz", VI Congresso da Associação Portuguesa de Economia Agrária, 15-17 Julho 2010, Ponta Delgada, Portugal.

Fernando Lopes, "From optimism to despair: the downfall of the Azorean bank sector after the 1929 economic crisis", 35Th Economic and Business Historical Society Conference, 27-29 de Maio de 2010, Braga, Portugal.

Group Description

Title of Research Group: (RG-LVT-685-3193)

Group Productivity

Regional Economic Modeling and Public Policy
Analysis

Principal Investigator: Mário José Amaral Fortuna

Main Scientific Domain: Economia e Gestão

Group Host Institution: Universidade dos Açores

Funding, source, dates

Funding, source, dates

In the recent past, funding has been obtained from CEEAplA own funds, from Direcção Regional para a Ciência e a Tecnologia (the Azorean Government sponsored counterpart to FCT), and from the Department of Economics and Management from the University of the Azores. Most funds have been allocated to travel to present articles at international conferences, as documented elsewhere in this report.

Funding is secured for the coming years since CEEAplA has in place a scheme that allocates funds according to individual scientific outputs. In addition, CEEAplA's funds, also described at length elsewhere in the report, are sufficient to meet our most pressing needs, namely, to be able to present our articles at international conferences.

Objectives & Achievements

Objectives

To study policy issues using economic models. In particular, general equilibrium, spatial and econometric models.

To construct a CGE modelling platform of the Azorean economy, usable in the analysis of various policy problems, particularly the economic and social impact of government (regional, national and EU) policies.

To continue work on other modelling approaches such as econometric.

Main Achievements

The main achievements of the research group are extremely varied, including theoretical contributions, applied research, participation on conferences and workshops, development of international connections with other research groups, Ph.D. and Master's thesis supervision.

Advances on the CGE model development for the Azores:

The following work was done

1. Completed the book "Computable General Equilibrium Models: Theory and Applications".

2. Revised and re-submitted paper titled "Welfare Impacts of Road Construction Using a Public-Private Partnership: a CGE Analysis of a Project" to Journal of Policy Modelling

Objectives & Achievements

3. Paper on "Impact of fishing subsidies using a CGE model for the Azores" Submitted to Ecological Economics

4. Working on a book "Introduction to financial derivatives: theory and computation"

5. Working towards incorporating environmental modelling in CGE models.

Research has also been targeted to issues such as water management (management plans of watersheds), marine management (bio-economic models of fisheries), land use planning (spatial interaction models), regional economic models (regional input output models), nature conservation management (cost-benefit analysis) and agro-environmental management (mathematical programming models). Services have been focused on the organization of international, national and regional congresses, workshops, training courses and conferences. Funding comes from NATO, Portuguese Foundation for Research and Technology, European Union, Regional Directorate for Science and Technology, Luso-American Foundation, Municipalities and Private Companies.

Group Productivity

Publications in peer review Journals

Rodrigues, Isabel Maria, Fabíola Sabino Gil, Tomaz Ponce Dentinho (2010) - "Trade-Offs Between Cherry Production and Endemism Conservation in Serra da Gardunha, Portugal." *Revista Portuguesa de Estudos Regionais*, 20 (1)-67-88.

Silveira, Paulo e Tomaz Ponce Dentinho. (2010) - Spatial interaction model of land use – An application to Corvo Island from the 16th, 19th and 20th centuries. *Computers, Environment and Urban Systems* 34 (2010) 91-103.

Rangel M.O., Tomaz Ponce Dentinho, G. Araújo, J. Lopes, J.M.S. Gonçalves, K. Erzini (2010) - "Análise Custo Viagem de Roteiros Subaquáticos (de Apneia) na Praia da Marinha (Algarve)." *Revista Portuguesa de Estudos Regionais*, 22(1)-67-88.

Ressurreição, Adriana; James Gibbons; Tomaz Ponce Dentinho; Michel Kaiser; Ricardo S. Santos; Gareth Edwards-Jones (2010). Economic valuation of species loss in the open sea. *Ecological Economics* (available on line).

Silveira P, Dentinho T (2010). Spatial interaction model of land use - An application to Corvo Island from the 16th, 19th and 20th centuries, *Computers, Environment and Urban Systems*, 34(2): 91-103.

Other international publications

António Almeida, "Cross border regional integration: lessons from the Canary Islands and Madeira case", IN *Insularity in the Mediterranean: Economic and Environmental Challenges*, 2010.

Dentinho, Tomaz Ponce (2010) – *Unsustainable Cities, A tragedy of Urban Networks*. MASHS. *Modeles de Apprendissages en Sciences Humaines et Sociales*. 2010. 978-

Group Productivity

952-60-3177-4.

Sameer Rege, "Comparing the Generalized Hyperbolic to the Normal Inverse Gaussian Distribution for the Daily Return of the PSI20", Proceedings of Portuguese Finance Network - 6th Finance Conference, CD-ROM/ISBN 978-972-8612-59-7, 1-3 de Julho de 2010.

Other national publications

Mário Fortuna e Sameer Rege, *Computable General Equilibrium Models: Theory and Applications*, CEEAplA Ed., Ponta Delgada, 2010, ISBN: 978-972-8612-60-3.

Costa, José Silva, Tomaz Ponce Dentinho e Peter Nijkamp (eds) (2010) – Introdução. *Compêndio de Economia Regional. Volume II*. Principia.

Dentinho, Tomaz Ponce (2010) – Modelos Gravitacionais. Capítulo 19 do *Compêndio de Economia Regional. Volume II*. Editado por José da Silva Costa, Tomaz Ponce Dentinho e Peter Nijkamp. Principia.

Viegas, José, Tomaz Ponce Dentinho (eds) (2010) – Introdução. *Desafios Emergentes para o Desenvolvimento Regional*. Principia.

Viegas, José, Tomaz Ponce Dentinho (eds) (2010) – Conclusão. *Desafios Emergentes para o Desenvolvimento Regional*. Principia.

Joaquim da Costa Leite e Benedita Câmara, "O recrutamento militar e a emigração madeirense nos finais do século XIX", IN *VVAA*, 2010, Anuário do Centro de Estudos de História do Atlântico, Centro de Estudos de História do Atlântico Eds., Vol. 2, pp. 123-129, 2010.

Benedita Câmara, "Madeira: Um Lugar Turístico (1800-1928) Inserção Internacional Precoce e Resposta às oportunidades", *Viajar. Viajantes e Turistas à Descoberta de Portugal no Tempo da I República*, Imprensa Nacional - Casa da Moeda (Centenário da República 1910-2010), Vol. 2, pp. 99-103, 2010.

Ana Isabel Moniz, Manuela M. Hill e João A. Silva, "A sustentabilidade do turismo em ilhas de pequena dimensão: O caso dos Açores", *Revista Turismo e Desenvolvimento*, Vol. 13-14 (3), pp. 1085-1086, 2010.

José Noronha Rodrigues, "A identidade e (des) identidade dos valores europeus", *Datajuris*, 2010.

José Noronha Rodrigues, "Las Lenguas y Los Derechos Lingüísticos en la Unión Europea", *Anuario da Facultade de Dereito da Universidade da Coruña*, Vol. 14, pp. 823-839, 2010.

José Noronha Rodrigues, "A História do Direito de Asilo no Direito Internacional", *Temas de Integração – 1º e 2º Semestre de 2009*, Vol. nº 27º e 28º, pp. 313-360, 2010.

José Noronha Rodrigues, "Las Lenguas y Los Derechos Lingüísticos en la Unión

Group Productivity

Europeia", Revista Direitos Fundamentais e Democracia, Vol. 7, nº 7, pp. 309-323, jan./jun. 2010.

José Noronha Rodrigues, "Políticas de Asilo e de Direito de Asilo na União Europeia", Revista SCIENTIA IVRIDICA, Universidade do Minho – Centro de Estudos Jurídicos do Minho (CEJUR), Toma LIX – nº 321, pp. 7-32, Janeiro -Março, 2010.

Dentinho Tomaz Ponce, Elisabete Martins e Ana Rodrigues (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores using a spatial interaction model with alternative transportation modes. 8º Workshop da APDR sobre Mobilidade Eléctrica, 16 de Dezembro 2010, Angra do Heroísmo.

Madureira, Lúvia; Ana Rodrigues, Fabíola Gil and Tomaz Ponce Dentinho (2010) - Evaluation of Electric Mobility Solutions in the Azores with Q Methodology and a Choice Experiment. 8º Workshop da APDR sobre Mobilidade Eléctrica, 16 de Dezembro 2010, Angra do Heroísmo.

Raposo, João; Ana Rodrigues, Carlos Silva e Tomaz Ponce Dentinho (2010) – Electric vehicles charging network: Angra do Heroísmo Case Study. 16º Congresso da APDR, 5 a 10 de Julho, Funchal, Madeira.

José Noronha Rodrigues, "The Future of the Asylum Institute in the World", CEEAplA Working Paper no. 04/2010, March 2010.

António Almeida, António Alves e Jorge Soares, "Turismo activo e levadas: quais os activos na fronteira entre o turismo e desporto", Actas do 16º Congresso – APDR, CD-ROM/ISBN 978-989-96353-1-9, 5-10 Julho de 2010.

António Almeida, "Turismo e diversificação de mercados: uma solução para o rejuvenescimento do destino", Actas do 16º Congresso – APDR, CD-ROM/ISBN 978-989-96353-1-9, 5-10 Julho de 2010.

António Almeida, "Ultraperiferia e Desenvolvimento Económico: paradoxos na construção de estruturas económicas resilientes", Actas do Congresso As ilhas do Mundo e o mundo das Ilhas, CD-ROM, 26-30 Julho de 2010.

Ph.D. thesis completed

Tomaz Dentinho orientador das provas de Mestrado em Gestão e Conservação da Natureza (Universidade dos Açores), do licenciado Neto Rangel intituladas “Avaliação Económica da Recuperação do Espaço Urbano da Cidade do Huambo”, (Defendida).

Tomaz Dentinho orientador das provas de Mestrado em Gestão e Conservação da Natureza (Universidade dos Açores), do licenciado Paulo Silveira intituladas “Aplicação de um modelo de interacção espacial no estudo da evolução do uso do solo ao longo do século XX na Ilha Terceira”, (Defendida).

Internationalization

Rodrigues, Ana, Fabíola Gil Elisabete Martins e Tomaz Ponce Dentinho (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores

Group Productivity

using a spatial interaction model with alternative transportation modes. ERSA2010. Jönköping, Sweden, August 19-23, 2010.

Dentinho, Tomaz Ponce; Jaime Duarte e Fabíola Gil (2010) – Development and insularity of São Tomé e Príncipe. ERSA2010. Jönköping, Sweden, August 19-23, 2010.

Dentinho Tomaz Ponce, Elisabete Martins e Ana Rodrigues (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores using a spatial interaction model with alternative transportation modes. 57th RAI. 10th 13th November 2010.

Madureira, Lúvia; Ana Rodrigues, Fabíola Gil and Tomaz Ponce Dentinho (2010) - Evaluation of Electric Mobility Solutions in the Azores with Q Methodology and a Choice Experiment. 57th RAI. 10th 13th November 2010.

Alama, Luisa; Ana Maria Fuertes, Paulo Silveira, Júlia Sálon e Tomaz Ponce Dentinho (2010) – Modelos de Interacción Espacial de Ocupación del Uso del Suelo Aplicado a Castellón. 7º Workshop da APDR e XXXVI Reunion de Estudios Regionales AEER – 17 – 19 Novembro.

Dentinho Tomaz Ponce, Nuno Martins e António Almeida (2010) – Modelos Regional Scales of Development Theories. 7º Workshop da APDR e XXXVI Reunion de Estudios Regionales AEER – 17 – 19 Novembro.

Dentinho Tomaz Ponce, Paulo Silveira, Vasco Silva, Abdellatif Khattabi, Eric Masson e Marco Antpnelli (2010) – Spatial Interaction Modelo with Land Use, Application to Tagaddart Basin in Morocco. Seminar “Gestion Integree des Eaux en Zone Cotiere et Changement Climatique en Mediterranee: Cooperation Scientific Nord-Sud Le Mardi 14 Décembre 2010 a L’Institut Scientifique de Rabat.

Sameer Rege, “Comparing the Generalized Hyperbolic to the Normal Inverse Gaussian Distribution for the Daily Return of the PSI20” PFN2010, 1-3 de Julho de 2010, Ponta Delgada, Portugal.

Mário Fortuna, “Estimating the Impacts of Eliminating Cost-reducing and Capacity-enhancing Fisheries Subsidies on the Small Island Economy of the Azores”, EcoMod 2010, Istanbul, Turkey, 7-10 July.

António Almeida, "From island mass tourism to rural tourism In Madeira: Is there a place for a re-definition of islands' image?", 1º Congresso Internacional de Turismo, 2010, Barcelos, Portugal.

Group Description

Title of Research (RG-LVT-685-3193)
Group: Regional Economic Modeling and Public Policy Analysis
Principal Investigator: Mário José Amaral Fortuna

Group Description

Main Scientific Domain: Economia e Gestão

Group Host Institution: Instituto de Medicina Molecular - Faculdade de Medicina da Universidade de Lisboa

Funding, source, dates

Funding, source, dates

In the recent past, funding has been obtained from CEEAplA own funds, from Direcção Regional para a Ciência e a Tecnologia (the Azorean Government sponsored counterpart to FCT), and from the Department of Economics and Management from the University of the Azores. Most funds have been allocated to travel to present articles at international conferences, as documented elsewhere in this report.

Funding is secured for the coming years since CEEAplA has in place a scheme that allocates funds according to individual scientific outputs. In addition, CEEAplA's funds, also described at length elsewhere in the report, are sufficient to meet our most pressing needs, namely, to be able to present our articles at international conferences.

Objectives & Achievements

Objectives

To study policy issues using economic models. In particular, general equilibrium, spatial and econometric models.

To construct a CGE modelling platform of the Azorean economy, usable in the analysis of various policy problems, particularly the economic and social impact of government (regional, national and EU) policies.

To continue work on other modelling approaches such as econometric.

Main Achievements

The main achievements of the research group are extremely varied, including theoretical contributions, applied research, participation on conferences and workshops, development of international connections with other research groups, Ph.D. and Master's thesis supervision.

Advances on the CGE model development for the Azores:

The following work was done

1. Completed the book "Computable General Equilibrium Models: Theory and Applications".
2. Revised and re-submitted paper titled "Welfare Impacts of Road Construction Using a Public-Private Partnership: a CGE Analysis of a Project" to Journal of Policy Modelling
3. Paper on "Impact of fishing subsidies using a CGE model for the Azores" Submitted

Objectives & Achievements
to Ecological Economics

4. Working on a book "Introduction to financial derivatives: theory and computation"

5. Working towards incorporating environmental modelling in CGE models.

Research has also been targeted to issues such as water management (management plans of watersheds), marine management (bio-economic models of fisheries), land use planning (spatial interaction models), regional economic models (regional input output models), nature conservation management (cost-benefit analysis) and agro-environmental management (mathematical programming models). Services have been focused on the organization of international, national and regional congresses, workshops, training courses and conferences. Funding comes from NATO, Portuguese Foundation for Research and Technology, European Union, Regional Directorate for Science and Technology, Luso-American Foundation, Municipalities and Private Companies.

Group Productivity

Publications in peer review Journals

Rodrigues, Isabel Maria, Fabíola Sabino Gil, Tomaz Ponce Dentinho (2010) - "Trade-Offs Between Cherry Production and Endemism Conservation in Serra da Gardunha, Portugal." *Revista Portuguesa de Estudos Regionais*, 20 (1)-67-88.

Silveira, Paulo e Tomaz Ponce Dentinho. (2010) - Spatial interaction model of land use – An application to Corvo Island from the 16th, 19th and 20th centuries. *Computers, Environment and Urban Systems* 34 (2010) 91-103.

Rangel M.O., Tomaz Ponce Dentinho, G. Araújo, J. Lopes, J.M.S. Gonçalves, K. Erzini (2010) - "Análise Custo Viagem de Roteiros Subaquáticos (de Apneia) na Praia da Marinha (Algarve)." *Revista Portuguesa de Estudos Regionais*, 22(1)-67-88.

Ressurreição, Adriana; James Gibbons; Tomaz Ponce Dentinho; Michel Kaiser; Ricardo S. Santos; Gareth Edwards-Jones (2010). Economic valuation of species loss in the open sea. *Ecological Economics* (available on line).

Silveira P, Dentinho T (2010). Spatial interaction model of land use - An application to Corvo Island from the 16th, 19th and 20th centuries, *Computers, Environment and Urban Systems*, 34(2): 91-103.

Other international publications

António Almeida, "Cross border regional integration: lessons from the Canary Islands and Madeira case", IN *Insularity in the Mediterranean: Economic and Environmental Challenges*, 2010.

Dentinho, Tomaz Ponce (2010) – *Unsustainable Cities, A tragedy of Urban Networks*. MASHS. *Modeles de Apprendissages en Sciences Humaines et Sociales*. 2010. 978-952-60-3177-4.

Group Productivity

Sameer Rege, "Comparing the Generalized Hyperbolic to the Normal Inverse Gaussian Distribution for the Daily Return of the PSI20", Proceedings of Portuguese Finance Network - 6th Finance Conference, CD-ROM/ISBN 978-972-8612-59-7, 1-3 de Julho de 2010.

Other national publications

Mário Fortuna e Sameer Rege, *Computable General Equilibrium Models: Theory and Applications*, CEEAplA Ed., Ponta Delgada, 2010, ISBN: 978-972-8612-60-3.

Costa, José Silva, Tomaz Ponce Dentinho e Peter Nijkamp (eds) (2010) – Introdução. *Compêndio de Economia Regional. Volume II*. Principia.

Dentinho, Tomaz Ponce (2010) – Modelos Gravitacionais. Capítulo 19 do *Compêndio de Economia Regional. Volume II*. Editado por José da Silva Costa, Tomaz Ponce Dentinho e Peter Nijkamp. Principia.

Viegas, José, Tomaz Ponce Dentinho (eds) (2010) – Introdução. *Desafios Emergentes para o Desenvolvimento Regional*. Principia.

Viegas, José, Tomaz Ponce Dentinho (eds) (2010) – Conclusão. *Desafios Emergentes para o Desenvolvimento Regional*. Principia.

Joaquim da Costa Leite e Benedita Câmara, "O recrutamento militar e a emigração madeirense nos finais do século XIX", IN *VVAA*, 2010, Anuário do Centro de Estudos de História do Atlântico, Centro de Estudos de História do Atlântico Eds., Vol. 2, pp. 123-129, 2010.

Benedita Câmara, "Madeira: Um Lugar Turístico (1800-1928) Inserção Internacional Precoce e Resposta às oportunidades", *Viajar. Viajantes e Turistas à Descoberta de Portugal no Tempo da I República*, Imprensa Nacional - Casa da Moeda (Centenário da República 1910-2010), Vol. 2, pp. 99-103, 2010.

Ana Isabel Moniz, Manuela M. Hill e João A. Silva, "A sustentabilidade do turismo em ilhas de pequena dimensão: O caso dos Açores", *Revista Turismo e Desenvolvimento*, Vol. 13-14 (3), pp. 1085-1086, 2010.

José Noronha Rodrigues, "A identidade e (des) identidade dos valores europeus", *Datajuris*, 2010.

José Noronha Rodrigues, "Las Lenguas y Los Derechos Lingüísticos en la Unión Europea", *Anuario da Facultade de Dereito da Universidade da Corunã*, Vol. 14, pp. 823-839, 2010.

José Noronha Rodrigues, "A História do Direito de Asilo no Direito Internacional", *Temas de Integração – 1º e 2º Semestre de 2009*, Vol. nº 27º e 28º, pp. 313-360, 2010.

José Noronha Rodrigues, "Las Lenguas y Los Derechos Lingüísticos en la Unión Europea", *Revista Direitos Fundamentais e Democracia*, Vol. 7, nº 7, pp. 309-323,

Group Productivity

jan./jun. 2010.

José Noronha Rodrigues, "Políticas de Asilo e de Direito de Asilo na União Europeia", Revista SCIENTIA IURIDICA, Universidade do Minho – Centro de Estudos Jurídicos do Minho (CEJUR), Toma LIX – nº 321, pp. 7-32, Janeiro -Março, 2010.

Dentinho Tomaz Ponce, Elisabete Martins e Ana Rodrigues (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores using a spatial interaction model with alternative transportation modes. 8º Workshop da APDR sobre Mobilidade Eléctrica, 16 de Dezembro 2010, Angra do Heroísmo.

Madureira, Lúvia; Ana Rodrigues, Fabíola Gil and Tomaz Ponce Dentinho (2010) - Evaluation of Electric Mobility Solutions in the Azores with Q Methodology and a Choice Experiment. 8º Workshop da APDR sobre Mobilidade Eléctrica, 16 de Dezembro 2010, Angra do Heroísmo.

Raposo, João; Ana Rodrigues, Carlos Silva e Tomaz Ponce Dentinho (2010) – Electric vehicles charging network: Angra do Heroísmo Case Study. 16º Congresso da APDR, 5 a 10 de Julho, Funchal, Madeira.

José Noronha Rodrigues, "The Future of the Asylum Institute in the World", CEEAplA Working Paper no. 04/2010, March 2010.

António Almeida, António Alves e Jorge Soares, "Turismo activo e levadas: quais os activos na fronteira entre o turismo e desporto", Actas do 16º Congresso – APDR, CD-ROM/ISBN 978-989-96353-1-9, 5-10 Julho de 2010.

António Almeida, "Turismo e diversificação de mercados: uma solução para o rejuvenescimento do destino", Actas do 16º Congresso – APDR, CD-ROM/ISBN 978-989-96353-1-9, 5-10 Julho de 2010.

António Almeida, "Ultraperiferia e Desenvolvimento Económico: paradoxos na construção de estruturas económicas resilientes", Actas do Congresso As ilhas do Mundo e o mundo das Ilhas, CD-ROM, 26-30 Julho de 2010.

Ph.D. thesis completed

Tomaz Dentinho orientador das provas de Mestrado em Gestão e Conservação da Natureza (Universidade dos Açores), do licenciado Neto Rangel intituladas “Avaliação Económica da Recuperação do Espaço Urbano da Cidade do Huambo”, (Defendida).

Tomaz Dentinho orientador das provas de Mestrado em Gestão e Conservação da Natureza (Universidade dos Açores), do licenciado Paulo Silveira intituladas “Aplicação de um modelo de interacção espacial no estudo da evolução do uso do solo ao longo do século XX na Ilha Terceira”, (Defendida).

Internationalization

Rodrigues, Ana, Fabíola Gil Elisabete Martins e Tomaz Ponce Dentinho (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores using a spatial interaction model with alternative transportation modes. ERSA2010.

Group Productivity

Jönköping, Sweden, August 19-23, 2010.

Dentinho, Tomaz Ponce; Jaime Duarte e Fabíola Gil (2010) – Development and insularity of São Tomé e Príncipe. ERS2010. Jönköping, Sweden, August 19-23, 2010.

Dentinho Tomaz Ponce, Elisabete Martins e Ana Rodrigues (2010) - Understanding the impacts of electric mobility in the transportation patterns of Azores using a spatial interaction model with alternative transportation modes. 57th RAI. 10th 13th November 2010.

Madureira, Livia; Ana Rodrigues, Fabíola Gil and Tomaz Ponce Dentinho (2010) - Evaluation of Electric Mobility Solutions in the Azores with Q Methodology and a Choice Experiment. 57th RAI. 10th 13th November 2010.

Alama, Luisa; Ana Maria Fuertes, Paulo Silveira, Júlia Sálon e Tomaz Ponce Dentinho (2010) – Modelos de Interacción Espacial de Ocupación del Uso del Suelo Aplicado a Castellón. 7º Workshop da APDR e XXXVI Reunion de Estudios Regionales AEER – 17 – 19 Novembro.

Dentinho Tomaz Ponce, Nuno Martins e António Almeida (2010) – Modelos Regional Scales of Development Theories. 7º Workshop da APDR e XXXVI Reunion de Estudios Regionales AEER – 17 – 19 Novembro.

Dentinho Tomaz Ponce, Paulo Silveira, Vasco Silva, Abdellatif Khattabi, Eric Masson e Marco Antpnelli (2010) – Spatial Interaction Modelo with Land Use, Application to Tagaddart Basin in Morocco. Seminar “Gestion Integree des Eaux en Zone Cotiere et Changement Climatique en Mediterranee: Cooperation Scientific Nord-Sud Le Mardi 14 Décembre 2010 a L’Institut Scientique de Rabat.

Sameer Rege, “Comparing the Generalized Hyperbolic to the Normal Inverse Gaussian Distribution for the Daily Return of the PSI20” PFN2010, 1-3 de Julho de 2010, Ponta Delgada, Portugal.

Mário Fortuna, “Estimating the Impacts of Eliminating Cost-reducing and Capacity-enhancing Fisheries Subsidies on the Small Island Economy of the Azores”, EcoMod 2010, Istanbul, Turkey, 7-10 July.

António Almeida, "From island mass tourism to rural tourism In Madeira: Is there a place for a re-definition of islands' image?", 1º Congresso Internacional de Turismo, 2010, Barcelos, Portugal.