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FCT Relatório Científico 2010 Print: 16-09-2011 14:01:41 [Centro de Filosofia das Ciências da Universidade de Lisboa]

General Information	
Name of Research Unit:	(FIL-LVT-678) Centro de Filosofia das Ciências da Universidade de Lisboa
Coordinator:	Olga Maria Pombo Martins
Main Scientific Domain:	Filosofia
Other Subdomains:	n/a
Host Institutions	
Leading Host Institution:	Fundação da Faculdade de Ciências - Faculdade de Ciências da Universidade de Lisboa
Other Institutions Involved:	Faculdade de Ciências - Universidade de Lisboa
Objectives & Achievements	
Unit Description	
<p>The Centro de Filosofia das Ciências da Universidade de Lisboa (CFCUL) is a Research Unit organically constituted by Directive Boards – namely, its Scientific Coordinator, a Scientific Board, an Executive Board and a Permanent External Advisory Board – and 6 Research Groups.</p> <p>Professor Olga Pombo is currently CFCUL's Scientific Coordinator.</p> <p>The Scientific Board (SB) is constituted by all PhD eligible researchers, it has 35 members. The SB meets several times per year in a regular basis and decides when to gather the whole team (82 integrated members - of whom 8 are Post-doc students, 20 Phd students and 6 Master students; 41 collaborators - of whom 20 are international collaborators) or whether to meet with one specific group. The SB meets in an annual basis with members of the Permanent External Advisory Board.</p> <p>The Executive Board (EB) is constituted by the eligible members responsible for the research groups and the research projects approved by the SB and by a Directive Board currently constituted by Prof. Olga Pombo, Prof. Isabel Serra, PhDs Catarina Nabais, José Filipe Pombeiro and Nuno Proença. The EB executes the decisions taken in the SB in order to guarantee:</p> <ol style="list-style-type: none"> 1) all the management and budgetary issues regarding each activity's implementation; 2) the evaluation of all the achieved (or not) goals, always trying to analyze what worked out well or what did not go as initially expected. <p>The Permanent External Advisory Board (PEAB) is constituted by persons of widely recognized merit in the field of the Philosophy of Sciences, namely: Professor Andrade e Silva (Faculty of Sciences of the University of Lisbon), Professor Maria José Frapolli (University of Granada, Spain) Professor Franco Selleri (University of Bari, Italy) and Professor Daniel Andler (Sorbonne, Paris IV, France)</p> <p>CFCUL has currently six Research Groups (RG):</p> <ul style="list-style-type: none"> - Unity of Science; - Philosophy of Nature Sciences; - Philosophy of Life Sciences; - Philosophy of Mathematics; - Philosophy of Human Sciences, Ethics and Politics; 	

Objectives & Achievements

- Science and Art;

RG are responsible for the development of the CFCUL's research projects. Of these, 4 are granted by the FCT, 1 granted by Câmara Municipal do Montijo, and 13 are Internal Projects. CFCUL's has also 4 international research projects and 2 partnership projects in progress.

CFCUL is funded mainly by the Fundação para a Ciência e Tecnologia, within the Programa de Financiamento Plurianual de Unidades de Investigação e Desenvolvimento. However, CFCUL is also funded by Institutions such as: CRUP, Fundação Calouste Gulbenkian or Instituto Franco-Português. The Institution in charge of the funding management is the Fundação da Faculdade de Ciências da Universidade de Lisboa.

General Objectives

Created in July 2003, CFCUL is the only Research Unit in Portugal exclusively committed to Philosophy of Science. Supported in an idea of Unity of Science coming from the tradition of Leibniz and Neurath, CFCUL has a plural but coherent conception of Philosophy of Science.

Within that commitment, CFCUL's main objectives are:

- to encourage and promote the development of Philosophy of Sciences research in Portugal, more specifically, within the research lines: «Unity of Science», «Philosophy of Nature Sciences», «Philosophy of Life Sciences», «Philosophy of Mathematics»; «Philosophy of Human Sciences, Ethics and Politics» and «Science and Art», by stimulating and supporting both specialized and interdisciplinary research;

- to develop national and international research projects;

- to establish national and international partnerships;

- to organize colloquia, workshops and conferences;

- to promote a Philosophy of Sciences Permanent Seminar for seniors researchers and a Gymnasium for post-graduate students;

- to assure the supervision of graduate and post-graduate students on Philosophy of Sciences;

- to integrate research and post-graduate studies through Master and Doctoral programs;

- to publish the most relevant studies carried out in the several activities organized by CFCUL's research groups.

- to edit a Scientific online Journal Kairos;

- to edit a series of books on Philosophy of Sciences («Philosophy of Science Notebooks»);

- to edit a series «Thesis» with the most relevant Master and Phd dissertations in philosophy of science

- to edit a series «Documenta» with the proceedings of the conferences and colloquia organized by the CFCUL

- to reach the wider national and international scientific community and the specific publics we thought might be interested or benefit from our research in Lisbon as well as in the rest of the country and abroad (through CFCUL's webpage and through the organization of several outreach activities, like free courses, conferences and book debates).

Main Achievements during the year of 2010

24 BOOKS

We highlight

- O. Pombo; J. Symons; J. M. Torres (Eds.), Unity of Science: New Approaches - Otto Neurath and the Unity of Science, Springer

- J. R. Croca; J. E. F. Araújo (Eds.), A New Vision on PHYSIS - Eurhythmy, Emergence and Nonlinearity, CFCUL

- O. Pombo; A. Gerner (Eds.), Studies in Diagrammatology and Diagram Praxis, College Publications

Objectives & Achievements

- O. Pombo, Palavra e Esplendor do Mundo. Estudos sobre Leibniz, Fim de Século

95 BOOK CHAPTERS

We highlight

- A. J. Franco Oliveira, Picture-proofs in Mathematics: a Chapter in James Robert Brown's Philosophy of Mathematics, with Examples, in O. P.; A. G. (Eds.), Studies in Diagrammatology and Diagram Praxis, College Publications, 85-94

- O. Pombo, Three Roots for Leibniz's Contribution to the Computational Conception of Reason in F. Ferreira et al (Eds.), Programs, Proofs, Processes. 6th Conf. on Computability in Europe, Açores, Springer, 352-361

- J. Araújo et al. Ontologia de Fourier, Análise local por Onduletas e Física Quântica, in O. Freire, et al (Orgs.), Teoria quântica: estudos históricos e implicações culturais. Eduepb, 435-449

43 ARTICLES

We highlight

- A. B. Vieira, Grammatical equivalents of Palaeolithic tools: a hypothesis in Theory in Biosciences, 129, 2-3: 203-210

- O. Pombo, Linguagem e conhecimento em Leibniz, in “O que nos faz pensar” 26: I Colóquio Luso-Brasileiro Leibniz: Linguagem e Metafísica, Depto Filosofia PUC-Rio

- N. Gontier, Evolutionary epistemology as a scientific method: a new look upon the units and levels of evolution debate in Theory in Biosciences, 129, 2-3, 167-182

KAIROS - Journal of Philosophy & Science - Creation and organization of an online journal (<http://kairos.fc.ul.pt/>) especially focused on the intersection between science and philosophy and on the practice of philosophy motivated by science.

ORGANIZATION OF 11 SCIENTIFIC MEETINGS

6 Colloquia: 4 International, 2 National

5 Workshops: 1 International, 4 National

We highlight:

- Internat. Colloquium «Da Civilização da Palavra à Civilização da Imagem», IFP, 10-11 May

- Workshop On Non-Classical Logics, organized by Research Group Philosophy of Mathematics, 27-28 Sept

- Razão-Optimismo-Teodiceia: a Herança de Leibniz no Iluminismo Europeu. Internat. Colloquium Comemorative of the III Centenary of Essais de Théodicée de G. W. Leibniz e 2.º Coloquia Leibniz Luso-Brasileiro, FLUL, 25-27 Nov

197 TALKS GIVEN at Scientific Meetings (104 International, 93 National)

We highlight

- Epistemological Features of Nano Images, O. Pombo: S.NET 2010, Germany, 1 Oct

- O tema da decadência em Nietzsche e no Anti-hegelianismo francês dos anos 60, N. Nabais: Internat. Conf. Goethe and Nietzsche On, IFL, 3 Dec

- Unity of Science and Encyclopaedia: Idea and Configurations, O. Pombo, In: Philosophical Dialogue – Conf. in Honor of Marcelo Dascal. Tel Aviv, 11 Nov

- Fotografia científica no século XIX: evolução dos processos físico-químicos e sua aplicação no desenvolvimento das ciências, E. Jardim & F. Madalena, FCUL, 14 Jun

Objectives & Achievements

ORGANIZATION OF 22 CONFERENCES (Invited Speakers)

We highlight:

- Vienna Circle Physicalism and the Unity of Science, John Symons, 17 Sept
- Does Probabilism Solve the Great Quantum Mystery?, N. Maxwell, 6 Oct
- Taking it on Trust in images of Nature, Martin Kemp, 17 Nov
- The Problem of a Picture of an Atom, C. Toumey, 15 Dec

ORGANIZATION OF 9 COURSES

- 6 academic courses, 3 free courses

We highlight:

- Henri Poincaré: Física, Matemática e Filosofia, Michel Paty, 12-14 Oct
- Metafísica e Ciência, M. Blanc. 11 Febr. & 11 March

Activities

Integrative/multidisciplinary activities during the year of 2010

Given the nature of CFCUL's research field, a great number of its activities are inherently integrative and multidisciplinary. Behind the fact that Philosophy of Science is in itself an interdisciplinary area, the team of CFCUL is composed by members coming from a significant variety of disciplines (Philosophy, Physics, Biology, Medicine, Mathematics, Sociology, Logics) and institutions (Faculty of Sciences, Faculty of Medicine, Faculty of Philosophy, Faculty of Fine Arts). So,

1) Some of our projects are strongly interdisciplinary. For instance:

- the FCT Research Project Poincaré, Philosopher of Science includes researchers from Physics, Mathematics, Philosophy, Logics, History of Science and Mathematical Learning
- the FCT Research Project Image in Science and Art includes researchers from many fields: Philosophy, Epistemology, History, Sociology, Art, Semiotics, Medicine

2) Colloquia

- Workshop Dinamizar a Bioética na Universidade de Lisboa: Ciência, Filosofia e Política. In colaboration with Centro de Biodiversidade, Genómica Integrativa e Funcional (BioFIG), FCUL, 21 Jan
- Workshop Dinamizar a Bioética na Universidade de Lisboa II: em torno da Clonagem Humana. In colaboration with Centro de Biodiversidade, Genómica Integrativa e Funcional (BioFIG), FCUL, 6 Apr
- V Jornadas Ibéricas, organized by the Project Lógica Universal e Unidade da Ciência, FCUL, 25-26 Feb

3) Besides the internal interdisciplinary nature of the CFCUL, we pursued the objective of inviting speakers from different research areas to the colloquia and conference cycles we organize, such as:

Permanent Seminar on Philosophy of Sciences:

Danièle Cohn, Anselm Kiefer et la Shoah: des formes pour une mémoire, 15 Sept

António Guerreiro, Sobre Agamben, 22 March

Ana Rioja (Univ. Complutense, Madrid), De la filosofía de la ciencia a la sociología del conocimiento científico. Un viaje de ida y vuelta, 17 Febr

Activities

John Symons, How to have strong and natural emergent properties, FCUL, 18 Jan

Gymnasium:

Fernando Soler, Dynamic Epistemic Logic for Unconditionally Secure Protocols, 7 June

Ana Marin Forrona, A Ideia de Mapa em Peter Sloterdijk, 21 Apr

4) We should also mention that our teaching is done in the Faculty of Sciences, in the Faculty of Medicine, in the Faculty of Philosophy and in the Faculty of Fine Arts of the University of Lisbon:

Master in: History and Philosophy of Science, Bioethics of the CFCUL, Boethics in Faculty of Medicine, Pain Sciences and Palliative Care

PhD in: Psychiatry and Mental Health, Nursery

5) Our post-graduate students are coming from a huge variety of research areas such as:

- Gerner, Investigação Filosófica da Atenção

- J. L. Cordovil, O que é uma Partícula Quântica?

- M. Vale, Da imagiologia fetal a uma fenomenologia da gestação

- G. Zagalo, As Máquinas Jurídicas. Pensar a Lei entre Gilles Deleuze e Jacques Derrida

- Branco, As teorias das proporções no corpo humano na escultura e na literatura artística impressa na Península Ibérica do séc.XVI ao XIX

- N. Jerónimo, Um Retrato de Gödel enquanto Filósofo

- M. Paz, Mecânica e Epistemologia em Henri Poincaré

- N. Carvalho, Estética e Teoria da Imagem na Filosofia de Deleuze

- J. Barbosa, Contributos para a Compreensão do Sucesso da Cosmologia do Big-Bang

- C. Ribeiro, A Presença da Metafísica na Ciência

- S. Marco, Arte, Imagiologia Média e Corpo. Perspectiva Interdisciplinar entre Arte, Ciência, Teoria da Imagem e Filosofia

- S. Sousa, Geometria Transcendental

Outreach activities during the year of 2010

We consider CFCUL's most important outreach activities:

a) The maintenance of a public WEB-PAGE, through which we divulge our activities to people all over the world

b) The publication of 24 books, we select the following as having a potential wider public:

- J. Croca; R. Moreira, Diálogos sobre Física Quântica. Dos Paradoxos à Não-Linearidade, Capax Dei

- B. Ogilvie et al (Dir.), Vivre en Europe. Philosophie, politique et science aujourd'hui, L'Harmattan

- A. J. F. Oliveira, Lógica & Aritmética - Uma Introdução à Lógica, Matemática e Computacional, Gradiva

c) The organization of several scientific meetings, we highlight the following as having reached a wider audience:

Activities			
<p>- Internat. Colloquium Da Civilização da Palavra à Civilização da Imagem, IFP, 10-11 May</p> <p>- Razão-Optimismo-Teodiceia: a Herança de Leibniz no Iluminismo Europeu. Internat. Colloquium Comemorative of the III Centenário da publicação dos Essais de Théodicée de G. W. Leibniz e 2.º Coloquia Leibniz Luso-Brasileiro, FLUL, 25-27 Nov</p> <p>- Internat. Workshop Bachelard: Conceitos & Imagens, FCUL, 14 May</p> <p>d) The organization of 10 Book presentations, of which we highlight:</p> <p>- A New Vision on Physis - Eurhythm, Emergence and Nonlinearity, by J. R. Croca and J. E. F. Araújo. Session promoted by CFCUL and Cátedra A Razão</p> <p>- Palavra e Esplendor do Mundo. Estudos sobre Leibniz, by O. Pombo. Presentation by Marcelo Dascal, FLUL, 25 Nov</p> <p>- Theory in Biosciences: Darwin evaluated by contemporary evolutionary and philosophical theories, FCUL, 4 Nov</p> <p>- Vivre en Europe. Philosophie, politique et science aujourd'hui, by B. Ogilvie et al. Presentation by A. Bracinha Vieira, B. Ogilvie, José Gil and D. Sardinha. FNAC CHIADO, 19 Oct</p> <p>- Unity of Science: New Approaches - Otto Neurath and the Unity of Science, by O. Pombo, J. Symons, J. M. Torres. Presentation by O. Pombo and J. Symons. FCUL, 17 Sept</p> <p>- Ensaio sobre o Termo da História, by A. Bracinha Vieira, Centro Nacional de Cultura, 23 Apr. Presentation by A. Guerreiro</p> <p>- On Kuhn's Philosophy and its Legacy, edited by J. M. Torres. FCUL, Livraria Escolar Editora, 22 April. Presentation by J. M. Torres</p> <p>- História das Matemáticas na Antiguidade, by F. Vasconcellos (reed. and org. of A. F. Oliveira), FNAC CHIADO, 20 Jan. Presentation by Henrique Leitão and A. F. Oliveira</p> <p>e) The co-organization with the Franco-Portuguese Institute of Lisbon of a series of informal meetings aimed to a non-specialist public called the Café-Philo, according to a French tradition of philosophical meetings in public cafes, in which were discussed themes as: Dream, Violence, Possession, Man & Death.</p> <p>f) We should also mention that Prof. N. Nabais, together with the journalist Ana Sousa Dias, has a weekly radio program called «Pensar em voz alta», broadcasted at Rádio Clube Português.</p> <p>g) Creation and organization of the online journal “KAİROS - Journal of Philosophy & Science” (http://kairos.fc.ul.pt/).</p> <p>This online journal focuses especially on the intersection between science and philosophy, and on the practice of philosophy motivated by science.</p> <p>To promote a high scientific level, the Scientific Board of Kairos is formed by an international team: A. Pinotti (Univ. Milan), A. Nepomuceno (Univ. Seville), B. Kaldis (Hellenic Open Univ), D. Cohn (Univ. Paris I), F. J. Salguero (Univ. Seville), J. Symons (Univ. Texas), J. R. Croca (Lisbon Univ.), J. M. Torres (National Univ. Cuyo), M. Dascal (Univ. Tel-Aviv), N. Gontier (Univ. Brussel), R. Bernet (Husserl-Archives Leuven) and S. Rahman (Univ. Lille).</p>			
Funding			
	2008	2009	2010
LA FCT	0,00	0,00	0,00
Units FCT	27.989,00	99.515,63	110.859,38
Projects FCT	86.776,00	77.372,00	67.811,50
Other (National)	20.700,00	21.568,00	8.600,00
Other (International)	0,00	1.500,00	0,00
National Industry	0,00	0,00	0,00
International Industry	0,00	0,00	0,00
	135.465,00	199.955,63	187.270,88
General Indicators			

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	20,00	21,00	29,00	26,00	35,00	
Training Masters (Master thesis completed)	4,00	5,00	6,00	7,00	0,00	22,00
Training PhDs (PhD thesis completed)	1,00	2,00	3,00	2,00	2,00	10,00
Researchers Hired						
Name	Start Date	End Date	Other Institution			
No researchers found...						
Technical Personnel Hired						
Name	Start Date	End Date	Other Institution			
No technical personnel found...						
Additional Comments						
Research Groups						
Reference	Title / Principal Investigator					
RG-LVT-678-799	Unity of Science (Olga Maria Pombo Martins)					
RG-LVT-678-800	Philosophy of Nature Sciences (José Nunes Ramalho Croca)					
RG-LVT-678-1049	Philosophy of Life Sciences (António José Feliciano Barbosa)					
RG-LVT-678-1053	Science and Art (Catarina Pombo Martins de Castro Nabais)					
RG-LVT-678-3746	Philosophy of Human Sciences, Ethics and Politics (Nuno Gabriel de Castro Nabais dos Santos)					
RG-LVT-678-3747	Philosophy of Mathematics (Augusto Jose Franco de Oliveira)					