FCT Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA



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Application overview

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Referência do projecto

Project reference PEst-OE/HIS/UI0286/2014 (Lacrado a 17-01-2014 às 16:48)

1. Identificação do projecto

1. Project description

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Área científica principal

Main Area História

Área científica Secundária

Secondary area (Vazio) (Void)

Título do projecto (em português) Project title (in portuguese) Projecto Estratégico - UI 286 - 2014

Título do projecto (em inglês) Project title (in english) Strategic Project - UI 286 - 2014

Financiamento solicitado Requested funding 53.092,00€

Palavra-chave 1 História das Ciências

Palavra-chave 2 História da Tecnologia

Palavra-chave 3 Estudos históricos e interdisciplinares

Palavra-chave 4 Estudos históricos e cultura material

Data de início do projecto Starting date Keyword 1 History of Science

Keyword 2 History of Technology

Keyword 3 Historical and Interdisciplinary Studies _

Keyword 4 Historical Studies and Material Culture

Duração do projecto em meses Duration in months

2. Instituições envolvidas

2. Institutions and their roles

Instituição Proponente

Principal Contractor

Fundação da Faculdade de Ciências (FFC/FC/UL)

Campo Grande - Edificio C7 -1º Piso 1749-016Lisboa

Instituição Participante Participating Institution

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa (FCT/UNL)

Campus de Caparica 2829-516Monte de Caparica

Unidade de Investigação Research Unit

Centro Interuniversitário de História das Ciências e Tecnologia (CIUHCT)

Campo Grande - Edificio C7 -1º Piso 1749-016Lisboa

3. Componente Científica

3. Scientific Component

3.1. Sumário 3.1 Abstract

3.1.a Em português

3.1.a In Portuguese

O CIUHCT tem como objectivo fundamental a promoção da investigação na area da História da Ciência e da Tecnologia de acordo com os padrões internacionais, contribuindo, assim, para o desenvolvimento e consolidação desta área disciplinar em Portugal e para o seu reconhecimento fora do país, nas vertentes de investigação, formação e divulgação. Estas dimensões exploram simultaneamente a vertente histórica e as suas ligações contemporâneas numa sociedade profundamente moldada pela ciência e tecnologia e com crescente desafios societários.

Em termos metodológicos e conceptuais, o CIUHCT centra-se, fundamentalmente, em estudos de caso portugueses, que se integram numa dimensão internacional. Assim, a UI continuará a apresentar em foruns internacionais estudos de caso locais, a participar activamente em redes internacionais de investigação, a estar presente em congressos internacionais e a publicar em revistas estrangeiras com peer review e, preferencialmente, indexadas na WoS e SCOPUS.

O CIUHCT abraça uma concepção da sua área disciplinar ampla, contendo, simultaneamente, abordagens mais tradicionais e mais recentes, incluindo cultura material, instrumentação e colecções, reflexões interdisciplinares sobre tecno-ciência. De particular relevância têm sido as relações com os grupos de investigação internacionais STEP (Science and Technology in the European Periphery) e ToE (Tensions of Europe). Neste contexto temos vindo e continuaremos a trabalhar sobre alguns dos conceitos em debate em termos europeus sobre as relações dinâmicas entre centros e periferias, nomeadamente os tópicos da circulação e apropriação de saberes e práticas científicas e técnicas e a articulação entre a história local e uma história europeia onde a ciência e a tecnologia desempenhem um papel fundamental.

A dimensão interdisciplinar está presente no CIUHCT, estabelecendo pontes com a filosofia e sociologia das ciências e tecnologia, cultura material e sociologia da inovação.

As duas linhas do CIUHCT partilham agendas de investigação, projectos e opções metodológicas, uma vez que a constituição de uma identidade comum tem sido considerada de grande relevância. Conjuntamente, os membros do CIUHCT participaram na fundação da revista internacional on-line HoST, continuando a desempenhar funções no âmbito da revista, das suas conferências mensais, e dos seus congressos anuais.

No plano da formação, o CIUHCT está fortemente apostado em contribuir para a consolidação e crescimento da comunidade de historiadores da ciência e tecnologia em Portugal, participando em 3 programas de formação pós-graduada no país (um mestrado e dois doutoramentos). No caso, dos 2 programas doutorais, o CIUHCT apresentará uma candidatura no âmbito dos programas doutorais FCT, fundido e renovando a oferta pedagógica já existente e conferindo-lhe uma dimensão de colaboração internacional. Neste contexto, e partilhando da agenda de internacionalização do CIUHCT, os estudantes são encorajados a participar em congressos internacionais e em partilhar experiências de formação através do programa Erasmus, estando já em vigor protocolos com as universidades de Atenas, Berlim e Eindhoven.

Finalmente, o CIUHCT tem-se dedicado à vertente de divulgação da sua área de trabalho através de variadas actividades, desde as mais usuais palestras dirigidas a alunos e professores do ensino secundário até à organização de exposições para um público generalista.

No que diz respeito a 2014, o CIUHCT manter-se-á fiel às linhas gerais atrás enunciadas, aproveitando da experiência anterior para potencializar as suas sinergias e com estas preparará o caminho para implementar com êxito, do ponto de vista organizativo e

científico, o Programa Estratégico 2015-2020 já submetido.

3.1.b Em inglês

3.1.b In English

CIUHCT promotes research in the History of Science and Technology according to international standards of scholarship and contributes to the development and consolidation of this discipline in Portugal and to its recognition abroad, concerning research, training and outreach. These activities encompass not only the historical perspective but also the impact of science and technology in contemporary societies, thus contributing to answer to contemporary societal challenges.

The unit aims at articulating discussion at the conceptual and methodological levels with research on specific topics especially focused on, but not restricted to, Portuguese history. In any case this focus does not preclude the integration of Portuguese research in international groups and initiatives. On the very contrary we consider our main mission to present our local case studies in a format relevant to an international audience. This international dimension has been greatly encouraged through the dissemination of research carried out locally in international publications, including peer review journals indexed in the WoS and SCOPUS, as well as in the participation and organisation of national and international meetings, and in the participation in international networks, some of which were founded with the contribution of CIUHCT members.

The unit shares a conception of the field encompassing both more traditional and more recent approaches, including material culture, instrumentation and collection based history of science, material reconstructions, technoscience, all framed in the context of methodological pluralism. Especially important has been the input from the framework developed within the international group STEP (Science and Technology in the European Periphery) and ToE (Tensions of Europe). This input is behind the move from relying on the concept of transmission and the perspective of the centre to the concept of appropriation and the perspective of the periphery, as well as the articulation of local case studies in the writing of a global history of Europe, in which science and technology play a leading role. We also explore relations between the History of Science and Technology and material culture, some aspects of Philosophy and Sociology of Science and Technology, Sociology of Innovation and the role of scientific-technological structures in contemporary thinking.

The Unit's research groups work in syntony sharing members, projects, and methodological choices and fostering research crossing over traditional disciplinary boundaries. Besides on-going international and FCT projects main projects building a common identity for the Unit have been considered a priority. In this context we highlight the contribution of members of CIUHCT to the foundation and advisory board of the international journal HoST, its accompanying annual workshops and the launching of monthly HoST conferences by both well known foreign experts and national scholars.

CIUHCT has been steadily contributing to the consolidation of a strong scientific community by actively participating in the education of students (graduate and post-graduate level) as well as by enrolling in outreach activities (popularization, exhibits). CIUHCT is involved in one MSc program and two PhD programs in the field. CIUHCT will propose to fuse the 2 PhD programs into 1 FCT Doctoral Program, renovating and improving its graduate training, and giving it a new international dimension. Presently, our students profit from Erasmus protocols with the Universities of Athens, Berlin and Eindhoven.

Outreach activities are also part of our agenda. We highlight : talks to high school students and teachers, talks to a more general public, and exhibitions also targeted to the lay public.

As far as 2014 is concerned CIUHCT intends to follow the guidelines mentioned above in the process preparing the ground for the successful implementation, both organisationally and scientifically, of the Strategic Program for 2015-2020, already submitted to FCT.

3.2. Descrição Técnica

3.2 Technical Description

3.2.2. Plano e Métodos

3.2.2. Plan and Methods

During 2014, CIUHCT will proceed with the scientific agenda outlined since 2007, preparing the ground for the successful implementation of the strategic program for 2015-20 recently submitted for approval to FCT.

METHODOLOGICAL QUESTIONS

The unit shares a conception of the field encompassing both more traditional and more recent approaches, including material and visual culture, instrumentation and collection based history of science, material reconstructions, technoscience, all framed in the context of methodological pluralism. Especially important has been the input from the framework developed within the international group STEP (Science and Technology in the European Periphery) and ToE (Tensions of Europe). This input is behind the move from relying on the concept of transmission and the perspective of the centre to the concept of appropriation and the perspective of the periphery, as well as the articulation of local case studies in the writing of a global history of Europe, in which science and technology play a leading role. We also explore relations between the History of Science and Technology and material and visual culture, some aspects of Philosophy and Sociology of Science and Technology, Sociology of Innovation, and the role of scientific-technological structures in contemporary thinking. We are particularly eager to contribute to enliven scientific policy making with inputs from a multidisciplinary reflection on the past of science and technology and to contribute to look for answers for contemporary societal challenges.

From the point of view of our specific research agenda we encourage collective projects, both involving the two research lines of this Unit as well as other international groups or networks, dealing with the main topics: 1) circulation of scientific and technological knowledge, focussing particularly on the role of experts and institutions: 2) local embedding of scientific and technological practices: 3) history of science and technology based on crossing cultures: printed, manuscript, oral, material and visual sources; 4) early modern history of science and technology; 5) innovation and technological and scientific singularities; 6) from locality to globalisation in science and technology.

Our strategy to inscribe the history of science and technology in Portugal in the international context is to be anchored in: (i) publications in international volumes, edited volumes and peer-reviewed journals, including publications indexed in the WoS and SCOPUS; (ii) presentation of papers in international conferences; (iii) organization of sessions and conferences on topics related to the Portuguese case; (iv): Collection CIUHCT and on-line HoST international journal; (v) active participation in international research projects and networks. We highlight the organisation of the Science and Technology in the European Periphery (STEP) and European Society for the History of Science (ESHS) meetings in Lisbon, in September 2014.

RESEARCH STRATEGY AND OUTPUT

CIUHCT contributes to the development of the History of Science and Technology in the Portuguese context according to strict international standards of scholarship by dividing its activities along the following lines:

. Original research in many different areas, mostly related to the Portuguese context. In many instances this research involves members of both CIUHCT research lines, at the senior and junior level, reinforcing CIUHCT performance and cohesion, but also research integrated in international networks proving CIUHCT's strong bid on internationalization and its recognition by the international scientific community. We continue to be engaged in conceptual and methodological international debates, namely concerning issues such as the relationship between centre(s) and periphery(ies), and the meaning of being a scientist in the periphery of Europe.

. Work on the accessibility and availability of sources for the History of Science and Technology, stemming from research projects in which CIUHCT is involved. We highlight work at the archives of the Museum of Science of the University of Lisbon, on the scientific manuscripts held at the National Library of Portugal, and on the news referring to science and technology in generalist newspapers.

. Production of catalogues, digitalizations and other sorts of materials offered to the scientific community and the public at large, stemming from the consideration that one of CIUHCT's main duties is to make available sources for the History of Science and Technology.

. Consideration that sources are not only literary ones (printed or manuscript) but that material and visual sources are fundamental to an integrated view of the History of Science and Technology. Having this in mind, CIUHCT members located at the National Museum of Natural History and Science participate in the first inventory of Portuguese scientific heritage (collections, instruments and objects) and develop innovative collaborative projects with Brazil.

. Organization of a journal club, regular talks, series of talks thematically organised (CIUHCT talks, HoST talks, Material Culture Talks and Ancient Texts talks), thematic workshops on CIUHCT research topics (Ancient Books, and Cartography), national and international conferences of variable dimension (including the organisation of major societies meetings such as STEP and ESHS). This line of activities aims at enhancing the visibility of CIUHCT, its contribution to the professionalization of a strong community of Portuguese historians of science and technology, and the training of future generations.

. Participation of CIUHCT in the on-line journal in the History of Science and Technology HoST and all of its accompanying activities. We aim at publishing 2 issues per year of the international journal HoST, on the road to its inclusion in one indexed database.

. Editorial activity including CIUHCT collections (we aim at publishing 3-4 books in 2014) and translations with commentaries of classics of the History of Science.

. Close association of CIUHCT with the two graduate training programs on the History of Science and Technology existing in Portugal. We aim at fusing the 2 PhD programs into 1 FCT Doctoral Program.

. Regular organization of exhibits of various dimensions in which research work is presented to the public at large.

3.2.3. Planeamento de grupos e linhas 3.2.3. group planning

Grupos e linhas Groups

Nome do grupo ou linha	Data de início	Data de fim	Duração
Group name	Start date	End date	Duration
Ciencia e Tecnologia (i): estudos his	01-01-2014	31-12-2014	12
Planeamento do grupo ou linha			

Group planning

We commit ourselves to contribute to unveil the role played by science and technology in Portuguese history, mainly from the 17th to the mid-20th century, by exploring some specific topics on an interdisciplinary basis. Both from the methodological and conceptual points of view, we aim at framing our case-studies within the context of international research networks, mainly by exploring the role played by the so-called peripheral countries in the development of science and technology as crucial parameters in shaping the identity of modern Europe. As part of this identity was built on the European colonial dimension, the role played by the "tools of the Empire" is included in our research topics (technology and medicine).

Concepts such as centre(s) and periphery(ies), networking, circulation and appropriation of knowledge, linking and delinking, the meaning of being a scientist or an engineer in the periphery of Europe, which have been developed and discussed by STEP (Science and Technology in the European Periphery) and ToE (Tensions of Europe), will continue to be explored. Comparative studies will be encouraged in order to better assess the contributions of Portuguese scientists, engineers, and institutions in the construction of an evolving European identity.

Our strategy to re-address the role of Portugal in the international context has been and will be anchored in: (i) publications in international volumes, edited volumes and peer-reviewed journals; (ii) presentation of papers in international conferences; (iii) organization of sessions and conferences on topics related to the Portuguese case; (iv): editorial activity; (v) active participation in international research networks and active engagement in conceptual and methodological international debates on the topics mentioned above.

This research line shares a common agenda with its twin line. From the point of view of our specific research agenda we encourage collective projects, both involving the two research lines of this Unit as well as other international groups or networks, dealing with the main topics: 1) circulation of scientific and technological knowledge, experts and institutions; 2) local embedding of scientific and technological practices; 3) history of science and technology based on crossing cultures: printed, manuscript, oral, material and visual sources; 4) from locality to globalisation; 5) innovation and technological singularities.

Specific topics have been developed together with the twin line, mainly: (i) Popularization of science and technology in Portugal (18th-20th centuries) including the explorations of new sources such as newspapers and iconography; (ii) Institutions for the Teaching of Science and Technology in Portugal (19th-20th centuries).

Together with the common topics, this research line will address specific themes following the main lines listed in the previous report: history of geology, life sciences, medicine and engineering in Portugal (experts and institutions, 17th to 20th century); engineering and medicine in the Portuguese Empire (experts and institutions, 18th to 20th century); representations of technoscience; risk and authority in techno-scientific contemporary society; innovation strategies (19th and 20th centuries).

Other activities have been and will continue to be also particularly relevant for CIUHCT common identity: supporting the international journal HoST and contributing to its visibility abroad, organizing its accompanying annual workshops and monthly HoST conferences; to contribute to the collection of books published by CIUHCT. In 2014, we highlight the organisation of STEP and ESHS 2014, which take place in Lisbon and are organised by CIUHCT.

Finally, we will continue to contribute to enlarge the national community of historians of science and technology, by encouraging new scholars to participate in our research projects and by participating in the FCT/UNL PhD program on History, Philosophy and Heritage of Science and Technology. Junior scholars and students are strongly encouraged to present their papers to international audiences. When possible, and especially in the case of Post-doc students, we encourage our collaborators to enrich their training in reference schools in the field of History of Science and Technology (Berkeley (USA), MIT (USA) Royal Institute of Technology (Sweden), Imperial College (UK). We have Erasmus agreements with the University of Athens and the University of Eindhoven.

In 2014 CIUHCT senior members will prepare the ground for the reorganisation of CIUHCT research lines in order to meet a thematically driven organisation, as stated in the strategic program 2015-20 submitted to FCT.

Nome do grupo ou linha	Data de início	Data de fim	Duração
Group name	Start date	End date	Duration
Ciência e Tecnologia (ii): estudos hi	01-01-2014	31-12-2014	12
Planeamento do grupo ou linha			

Group planning

We commit ourselves to contribute to unveil the role played by science and technology in Portuguese history, mainly from the 16th to the mid-20th century, by exploring specific topics at the interface between history of science and technology, collection based history of science, and paying particular attention to material and visual cultures, the roles of experts, institutions and instruments. Some members of this group also work on topics, which are not related to Portugal, contributing to enrich mainstream international scholarship with topics which have not been at the forefront of research, such as the history of quantum chemistry. Both from the methodological and conceptual points of view, we aim at framing our case-studies within the context of international research networks, mainly by exploring the role played by the so-called peripheral countries in the development of science and technology as crucial parameters in shaping the identity of modern Europe.

Concepts such as centre(s) and periphery(ies), networking, circulation and appropriation of knowledge, linking and delinking, the meaning of being a scientist in the periphery of Europe, which have been developed and discussed by STEP (Science and Technology in the European Periphery) and ToE (Tensions of Europe), will continue to be explored. Comparative studies will be encouraged in order to better assess the contributions of Portuguese scientists and institutions in the construction of an evolving European identity.

Our strategy to write the history of science and technology has been and will be anchored in: (i) publications in international volumes, edited volumes and peer-reviewed journals; (ii) presentation of papers in international conferences; (iii) organization of sessions and conferences on topics often related to the Portuguese case; (iv): editorial activity; (v) active participation in international research networks; and (vi) active engagement in conceptual and methodological international debates.

From the point of view of our specific research agenda we encourage collective projects, both involving the two research lines of this Unit as well as other international groups or networks, dealing with the main topics: 1) circulation of scientific and technological knowledge, experts and institutions; 2) local embedding of scientific and technological practices; 3) history of science and technology based on crossing cultures: printed, manuscript, oral, material and visual sources; 4) from locality to globalisation; 5) early modern science and technology and the adequacy of talking about "Iberian Science" in the early modern period: (6) popularization of science and technology in Portugal (18th-20th centuries), including the explorations of new sources such as newspapers and iconography; (7) institutions for the teaching of science and technology in Portugal (19th-20th centuries).

Bearing continuity with former research activities, in 2014 this research group will continue to work on the history of physical sciences, 15th-18th centuries; scientific heritage, material and visual culture and collection based history of science; and history of mathematical games.

Other activities have been and will continue to be also particularly relevant for CIUHCT common identity: maintenance of a common web-site; organization of varied series of conferences; supporting the international journal HoST and contributing to its visibility abroad; and contributing to the collection of books published by CIUHCT. In 2014, we highlight the organisation of STEP and ESHS 2014, which take place in Lisbon and are organised by CIUHCT.

Finally, we will continue to contribute to enlarge the national community of historians of science and technology, by encouraging new scholars to participate in our research projects and by participating in the FCUL PhD program on History and Philosophy of Science. Junior scholars and students are strongly encouraged to present their papers to international audiences, and to participate in international networks.

In 2014 CIUHCT senior members will prepare the ground for the reorganisation of CIUHCT research lines in order to meet a thematically driven organisation, as stated in the strategic program 2015-20 submitted to FCT.

3.3. Referências Bibliográficas

3.3. Bibliographic References

Referência	Ano	Publicação
Reference	Year	Publication
none	2014	No bibliographic references were deemed necessary
(vazio)	(vazio)	(vazio)
(void)	(void)	(void)
(vazio)	(vazio)	(vazio)
(void)	(void)	(void)
(vazio)	(vazio)	(vazio)
(void)	(void)	(void)
(vazio)	(vazio)	(vazio)
(void)	(void)	(void)

6. Indicadores previstos

6. Expected indicators

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Indicadores de realização previstos para o projecto

Expected	output	indicators	
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Descrição Description	2014	2015	2016	2017	2018	Total
A - Publicações						
Publications Livros						
Books	6	0	0	0	0	6
Artigos em revistas internacionais Papers in international journals	15	0	0	0	0	15
Artigos em revistas nacionais Papers in national journals	15	0	0	0	0	15
B - Comunicações Communications						
Comunicações em encontros científicos internacionais Communications in international meetings	50	0	0	0	0	50
Comunicações em encontros científicos nacionais Communications in national meetings	35	0	0	0	0	35
C - Relatórios Reports	0	0	0	0	0	0
D - Organização de seminários e conferências Organization of seminars and conferences	20	0	0	0	0	20
E - Formação avançada Advanced training						
Teses de Doutoramento PhD theses	4	0	0	0	0	4
Teses de Mestrado	1	0	0	0	0	1

Master theses Outras	0	0	0	0	0	0
Others	0	0	0	0	0	0
F - Modelos Models	0	0	0	0	0	0
G - Aplicações computacionais Software	0	0	0	0	0	0
H - Instalações piloto Pilot plants	0	0	0	0	0	0
I - Protótipos laboratoriais Prototypes	0	0	0	0	0	0
J - Patentes Patents	0	0	0	0	0	0
L - Outros Other						
Exhibitions	2	0	0	0	0	2
	0	0	0	0	0	0
	0	0	0	0	0	0

Acções de divulgação da actividade científica Scientific activity spreading actions

Our outreach activities include individual lectures and sets of lectures, publications for the general public, exhibitions and respective catalogues, which are based on original research but present in an accessible and innovative to the public at large, and various sort of activities, namely books' presentations, TV and radio programs. Some of these activities will organised jointly with reputed institutions such as the National Museum of Natural History and Science, National Library of Portugal. CIUHCT also plans to get involved in scientific tourism activities, by proposing tours in Lisbon highlighting its scientific and technological past (see Ana Simões, Ana Carneiro and Maria Paula Diogo "Physical Sciences in Lisbon," Physics in perspective (2012). CIUHCT is exploring also the writing of books for children, such as Chamo-me Pedro Nunes (Platano 2011), and Garcia de Orta (forthcoming 2014).

CUHCT's outreach agenda takes into consideration the regional strategy designed for the Lisbon region and aims at producing high quality outreach outputs that contribute to increasing the scientific literacy of the Portuguese population.

7. Orçamento

7. Budget

Instituição Proponente

Principal Contractor

Fundação da Faculdade de Ciências

Descrição Description	2014	2015	2016	2017	2018	Total
Recursos Humanos Human resources	0,00	0,00	0,00	0,00	0,00	0,00
Missões Missions	15.000,00	0,00	0,00	0,00	0,00	15.000,00
Consultores Consultants	2.000,00	0,00	0,00	0,00	0,00	2.000,00
Aquisição de bens e serviços Service procurement and acquisitions	12.600,00	0,00	0,00	0,00	0,00	12.600,00
Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	0,00
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	0,00
Gastos gerais Overheads	5.920,00	0,00	0,00	0,00	0,00	5.920,00
TOTAL DESPESAS CORRENTES TOTAL CURRENT EXPENSES	35.520,00	0,00	0,00	0,00	0,00	35.520,00
Equipamento Equipment	0,00	0,00	0,00	0,00	0,00	0,00
Total	35.520,00	0,00	0,00	0,00	0,00	35.520,00

Instituições Participantes

Participating Institutions

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

l'activate de ciencias e recibiogia da on	iversidade nova de	LISDUA				
Descrição Description	2014	2015	2016	2017	2018	Total
Recursos Humanos Human resources	0,00	0,00	0,00	0,00	0,00	0,00
Missões Missions	10.000,00	0,00	0,00	0,00	0,00	10.000,00
Consultores Consultants	1.000,00	0,00	0,00	0,00	0,00	1.000,00
Aquisição de bens e serviços Service procurement and acquisitions	3.643,00	0,00	0,00	0,00	0,00	3.643,00
Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	0,00
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	0,00
Gastos gerais Overheads	2.929,00	0,00	0,00	0,00	0,00	2.929,00
TOTAL DESPESAS CORRENTES TOTAL CURRENT EXPENSES	17.572,00	0,00	0,00	0,00	0,00	17.572,00
Equipamento Equipment	0,00	0,00	0,00	0,00	0,00	0,00
Total	17.572,00	0,00	0,00	0,00	0,00	17.572,00
Orçamento Global Global budget						
Descrição Description	2014	2015	2016	2017	2018	Total
Recursos Humanos Human resources	0,00	0,00	0,00	0,00	0,00	0,00
Missões Missions	25.000,00	0,00	0,00	0,00	0,00	25.000,00
Consultores Consultants	3.000,00	0,00	0,00	0,00	0,00	3.000,00
Aquisição de bens e serviços Service procurement and acquisitions	16.243,00	0,00	0,00	0,00	0,00	16.243,00
Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	0,00
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	0,00
Gastos gerais Overheads	8.849,00	0,00	0,00	0,00	0,00	8.849,00
TOTAL DESPESAS CORRENTES TOTAL CURRENT EXPENSES	53.092,00	0,00	0,00	0,00	0,00	53.092,00
Equipamento Equipment	0,00	0,00	0,00	0,00	0,00	0,00
Total	53.092,00	0,00	0,00	0,00	0,00	53.092,00
Plano de financiamento Finance plan						
Descrição Description	2014	2015	2016	2017	2018	Total
Financiamento solicitado à FCT Requested funding	53.092,00	0,00	0,00	0,00	0,00	53.092,00
Financiamento próprio Own funding	0,00	0,00	0,00	0,00	0,00	0,00
Outro financiamento público Other public-sector funding	0,00	0,00	0,00	0,00	0,00	0,00
Outro financiamento privado Other private funding	0,00	0,00	0,00	0,00	0,00	0,00
Total do Projecto	53.092,00	0,00	0,00	0,00	0,00	53.092,00

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Comentários e Justificações

Comments and Justifications

CIUHCT barely survives with the budget proposed, which does not take into account the significance increase of PhD members, and PhD students. Having this in mind, the option was to concentrate the budget into the following items:

Missions: 500 euros per member (for a total of 50 members) to support the presentation of papers in 1 big international meeting.

Consultants: 3000 euros to support the invitation of a total of 3-5 invited speakers to the workshops organized by CIUHCT.

Service procurement and acquisitions: 16243 euros to cover secretariat expenses (2 persons part-time earning 400 euros a month); CIUHCT web-site maintenance (3000 euros); HoST maintenance of web-site (500 euros) and copy editing by an English native speaker (necessary condition to apply for international indexes (1500 euros); support of CIUHCT book collection (1643 euros).

Please note that CIUHCT was not able to allocate any funds for human resources nor equipment or bibliography. Also, in what relates to missions a budget of 500 euros person barely meets the basic necessities of internationalization and networking.

9. Ficheiros Anexos

9. Attachments

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