

# FCT Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA



## Concursos de Projectos de I&D

Calls for R&D Projects

▶  **Voltar à descrição do projecto**   
Back to project description

▶  **Imprimir esta página**   
Print this page

## Visão global da candidatura

Application overview

**Ocultar todos as secções desta candidatura**  
**Hide all sections for this application**



### Referência do projeto

Project reference

PTDC/CPC-HAT/1688/2014 (**Lacrado a 29-01-2015 às 06:08**)

### 1. Identificação do projeto

1. Project description



#### Domínio Científico

Scientific Domain

Ciências Sociais e Humanidades

#### Área científica principal

Main Area

Culturas e Produção Cultural - História da Arte

#### Área científica Secundária

Secondary area

Ambiente, Território e População - Arquitetura

#### Acrónimo

Acronym

MdH

#### Título do projeto (em português)

Project title (in portuguese)

Mapa da Habitação: Reflexão crítica sobre a arquitetura habitacional apoiada pelo Estado em Portugal (1910-1974)

#### Título do projeto (em inglês)

Project title (in english)

Mapping Public Housing: A critical review of the State-subsidised residential architecture in Portugal (1910-1974)

#### Financiamento solicitado

Requested funding

199.679,00€

#### Palavra-chave 1

Arquitetura

#### Palavra-chave 2

Políticas de Habitação

#### Palavra-chave 3

Portugal

#### Palavra-chave 4

Cultura

#### Keyword 1

Architecture

#### Keyword 2

Housing Policies

#### Keyword 3

Portugal

#### Keyword 4

Culture

**Data de início do projeto**

Starting date

01-01-2016

**Duração do projeto em meses**

Duration in months

36

**2. Instituições envolvidas**

2. Institutions and their roles

**Instituição Proponente**

Principal Contractor

**Faculdade de Arquitectura da Universidade do Porto (FA/UP)**

Rua do Gólgota, 215

4150-755Porto

**Descrição da Instituição**

As an organic unit of the University of Porto, the Faculty of Architecture of the University of Porto (FAUP) is a centre for the creation, transmission and diffusion of disciplinary knowledge in the area of architecture, construction and urban studies. FAUP, also known as "Porto school", is a worldwide reference in Architecture graduation and one of the very few schools in the world that has as former students and professors, two Pritzker prize winners: architects Álvaro Siza and Eduardo Souto de Moura. FAUP integrates a research center, CEAU, which is devoted to the promotion and framework of artistic and scientific research activities and technological development in the fields of architecture, construction and urban planning.

**Instituição Participante**

Participating Institution

**Escuela Técnica Superior de Arquitectura de Madrid - Universidad Politécnica de Madrid (ETSAM/UPM)**

Avenida Juan de Herrera, 4

28040Madrid

**Descrição da Instituição**

The historical legacy of Madrid's School of Architecture certainly offers one of the most prestigious among Spain's academic scenarios. Since its establishment, in 1848, and throughout its many years of history, this Institution has constantly relied upon the work, teaching and academic publications of architects of the highest profile.

Furthermore, the unquestionable prestige of the professors at Madrid's School of Architecture has made this Institution gain international recognition. We take pride in saying that our academic teachers are now moulding a future generation of architects among whom are, as well, all the interchange students.

It is also worth mentioning how our Institution has been adapting its study programs to the requirements of a modern society in constant evolution. Undoubtedly, one of today society's biggest challenges is the so called "sustainable development". To this regard, Madrid's School of Architecture has added this study subject to its teaching programs. By doing so, we aim at forming and educating young professionals capable of giving competent answers at all levels of intervention when approaching this matter. Our pragmatic approach is reinforced by the workshops activities in which the students, supervised and assessed by our professors, can practically develop their projects and compare them with those of other students.

**Faculdade de Ciências Sociais e Humanas (FCSH/UNL)**

Av. de Berna, 26 C

1069-061Lisboa

**Descrição da Instituição**

The Faculty of Social Sciences and Humanities (Faculdade de Ciências Sociais e Humanas - FCSH) forms part of the Universidade Nova de Lisboa.

The Faculty's mission is one of public service to improve the academic level of citizens and, in particular, Portuguese citizens, in the areas of social sciences and humanities.

FCSH is nowadays the largest and most diverse Portuguese institution carrying out research in the Social Sciences and Humanities. In the day to day carrying out of research, the knowledge is deepened and perspectives cross over from Communication and Language Sciences; Artistic and Literary Studies; Philosophy; History and Archaeology; Anthropology; Demography, Geography and Sociology; Political Studies and International Relations.

FCSH houses 25 Research Units (UI - Unidades de Investigação) and branches of interuniversity centres. There are 19 UI funded by the Portuguese Foundation for Science and Technology (FCT - Fundação para a Ciência e Tecnologia), 14 of which are classified as Excellent or Very Good.

Currently, the growing academic community at FCSH has about 1 200 researchers who are integrated and/or associated to a Research Unit, as well as many other co-researchers, students and research grantholders.

There are currently a hundred pure and applied research projects taking place in these Research Units at FCSH, funded by FCT and by several other public and private institutions.

**Faculdade de Letras da Universidade do Porto (FL/UP)**

Via Panorâmica s/n

4150-564Porto

**Descrição da Instituição**

The Faculty of Arts of the University of Porto, with over 3000 students, offers 13 undergraduate courses (licenciatura), 30 Master's courses (mestrado) and 18 doctoral courses (doutoramento) in the following areas: Archaeology, Information Science, Communication Sciences, Language Sciences, Teaching Methodology, Cultural Studies, Philosophy, Geography, History, History of Art, Classical and Modern Languages, Literature, Museology, Portuguese as a Foreign Language, International Relations, Sociology, Translation Studies and Tourism. Some of these courses are taught jointly with other Faculties of the University of Porto and/or other universities.

The Faculty's teaching staff is highly qualified with almost all its members hold a doctoral degree. They are vastly prolific in scientific production and have significant international experience in their areas of research and teaching. Both teaching staff and PhD and master's students are involved in a number of on-going national and international research projects as part of the activities of R&D Units accredited and financed by the Portuguese Foundation for Science and Technology.

#### **Unidade de Investigação**

Research Unit

#### **Centro de Estudos de Arquitectura e Urbanismo (CEAU/FA/UP)**

Faculdade de Arquitectura, do Rua do Golgota, 215  
4150-755Porto

#### **Unidade de Investigação Adicional**

Additional Research Unit

#### **Grupo de Investigación en Vivienda Colectiva (GIVCO)**

av. de Ramiro de Maezty, 7  
28040MADRID

#### **Instituto de História Contemporânea (IHC/FCSH/UNL)**

Av. de Berna, 26 C  
1069-061Lisboa

#### **Instituto de Sociologia (IS/FL/UP)**

Via Panorâmica s/n  
4150-564Porto

#### **Instituição de Acolhimento**

Host Institution

#### **Faculdade de Arquitectura da Universidade do Porto (FA/UP)**

Rua do Gólgota, 215  
4150-755Porto

### **3. Componente Científica**

#### 3. Scientific Component



#### **3.1. Sumário**

##### **3.1 Abstract**

##### **3.1.a Em português**

###### **3.1.a In Portuguese**

No período entre 1910 e 1974, Portugal atravessou diversas realidades políticas, desde a 1ª República (1910-1926) à ditadura do Estado Novo (1933-1974). Tal como na maioria dos países do sul da Europa [AlBaLeMaPa04], o estado-providência foi construído então a partir de um regime autoritário, dando origem a uma complexa rede de atuação diferente da de outros países [Fl89; SwAvHe14].

A carência de habitação para classes desfavorecidas fez parte de um conjunto de medidas governamentais destinadas a resolver as necessidades das famílias de menores recursos (educação, saúde e justiça). As soluções de habitação (processo construtivo, organização do espaço, tipologias, uso e integração urbana) expressam a natureza dos compromissos do estado e a relação entre ideologia, políticas de fomento e arquitetura habitacional.

Grande parte da literatura de referência foi produzida sobre os aspetos económicos e políticos, pelo que a produção de habitação (no que se refere quer à arquitetura quer à sua inserção urbana) resta praticamente desconhecida enquanto parte integrante da ação social do estado e das políticas de fomento. Estes conjuntos habitacionais construídos por todo o país emergem hoje como um vasto e valioso 'documento' apto a construir ou consolidar o conhecimento nos estudos políticos, sociais e culturais, assim como a gerar novas perspetivas na história da arquitetura. O objetivo do trabalho que propomos é analisar esta realidade construída tendo em vista uma compreensão mais alargada dos fenómenos que lhe deram origem.

'MdH – Mapa da Habitação: Revisão Crítica da Arquitetura Residencial construída com o apoio do Estado em Portugal (1910-1974)' é um projeto de investigação que reúne uma equipa internacional e multidisciplinar composta por arquitetos, sociólogos, historiadores e arquivistas em diferentes fases do seu percurso académico (Séniore, Pós-Doc e estudantes de Doutoramento e Mestrado) e com abordagens e contextos de trabalho variados.

O MdH assenta num corpus documental ancorado nos projetos das habitações e dos conjuntos urbanos arquivados em diversas Instituições nacionais, aos quais se agregam os respetivos documentos processuais (memórias descritivas, relatórios, pareceres, etc.). Este conjunto de informação é compilado numa base de dados que relaciona cada operação / bairro / edifício com referências bibliográficas, imagens e respetiva legislação.

Disponível tanto para o público em geral como para o institucional, a base de dados substanciará uma visão atualizada dos conjuntos habitacionais, apoiando intervenções contemporâneas, assim como uma revisão da história política, económica e social do

século XX, integrando leituras alternativas estabelecidas a partir da análise da produção de habitação.

Esta análise e abordagem serão discutidas em conferências e encontros internacionais e serão partilhadas sob diversas formas:

Fascículos focados em casos específicos; uma Exposição sobre os Programas Habitacionais e respetivo Catálogo; uma Conferência Internacional para discutir a investigação desenvolvida; e finalmente um Livro baseado em estudos comparativos internacionais.

Além disso, pela sua extensão, os resultados do MdH serão território de trabalho para académicos tendo em vista a exploração de estudos comparados a nível internacional de investigação em habitação. Baseando-se numa aproximação integrada, este projeto permitirá uma revisão crítica de diversas dialéticas – arquitetura e poder, tradição e modernidade, prática autoral de arquitetura e serviço público, história global e experiências locais – cruzando fronteiras disciplinares, geográficas e temporais.

Beneficiando não apenas uma audiência académica mas também a sociedade em geral, o MdH pretende enriquecer a discussão sobre o papel do Estado na promoção de habitação, assim como contribuir para o desenvolvimento de elementos de apoio à tomada de decisões nas áreas ambiental, social e económica relacionadas com a gestão da habitação e com a gestão e proteção do património arquitetónico.

### **3.1.b Em inglês**

#### **3.1.b In English**

In the period between 1910 and 1974, Portugal came across a diversity of political frames, from the 1st Republic (1910-1926) to Estado Novo dictatorship regime (1933-1974). As in most of the European southern countries [AlBaLeMaPa04], the welfare state was here built upon an authoritarian regime, giving rise to a complex and diverse mode of action that was different from those of other countries [F189; SwAvHe14].

The issue of low-income housing was part of a set of government measures addressing the basic needs of the poor (education, health and justice). Therefore, the housing solutions (construction process, space layout, dwelling typologies, use, urban integration) express the nature of the state's commitment and the relation between ideology, welfare policies and housing architecture.

Being this political and economical context the focus of most of the research literature, the housing realizations (architecture and urban environments) remain largely uncharted as an element of the state welfare politics and procedures. These housing sets built all over Portugal emerge today as a large and valuable 'document' either to gain or to consolidate further knowledge in its contextual studies - political, social and cultural - as to generate new perspectives on the history of architecture. It is thus our purpose to inquire this built reality in terms of its architecture aiming at a wide understanding of the phenomenon.

'MdH - Mapping Public Housing: A critical review of the State-subsidized residential architecture in Portugal (1910-1974)' is a research project gathering an international and multidisciplinary team composed of architects, sociologists, historians and archivists, working in different stages (seniors, post-doc, and PhD and master students), approaches and contexts.

MdH will rely on a documentary corpus anchored on the settlements' residential and urban designs archived in various Portuguese Institutions, as well as on the related process documents (memoirs, reports and assessment procedures, etc.). This data will then be compiled in a database that relates each operation/estate/building to bibliographic and photographic references, as well as to its legal frame.

Available both to a general and Institutional public, the database will substantiate a contemporary vision of the residential settlements, endorsing their contemporary intervention actions, as well as a review of the political, economical and social 20th century history integrating alternative readings established from social housing.

This analysis and reasoning will be discussed in international Conferences and meetings and shared in the form of a Booklet Periodical Series focused on specific aspects, systems or cases; an Exhibition on the State-subsidized residential architecture and the related Catalogue; an International Conference to discuss the research conducted; and finally in the form of a Book based in an international comparative study.

Moreover, as a three-year project, MdH will offer the corpus for scholars to explore the field of international comparative housing research. Drawing on an integrated approach, this project aims at proposing the opportunity to build a critical review of several dialectics - architecture and power, tradition and modernity, authorial architectural practice and civil service, global history and local experiences - crossing the boundaries of disciplines, countries and time.

Benefiting not only the academic audience but also the general public's knowledge of this housing production, MdH intends to enrich the discussion on the subject of the role of the state in housing development, as well as to contribute to the development of a common ground in upholding decisions in the environmental, social and economical fields related to housing management and to architectural heritage management and protection.

## **3.2. Descrição Técnica**

### **3.2 Technical Description**

#### **3.2.1. Revisão da Literatura**

##### **3.2.1. Literature Review**

The Research Project MdH will provide a pertinent contribution to the housing field of knowledge by examining the relationship between housing, politics and architecture focused in the case of Portugal in the period between 1910 and 1974.

The subject has been approached by several authors intermittently and focused on particular aspects, circumstances or geographies [Al10; Ca10; Ja94; PeQu12; Po14]. Seminal works developed by Baptista [Ba99] or Gros [Gr82] constitute a primary support to understand general questions, linked with some acknowledged settlements. This production arises from disciplinary areas other than architecture and lack a set of particular readings that, anchored in architectural specific topics, allows to frame them in complementary historical dynamics (architectural, sociological, economic, technical and policy).

MdH team is well prepared to contribute to this questioning given its background in the housing studies field and the expertise gathered in former teamwork experience. The research network is formalized in 2011 between CEAU team and the international partners (M Eleb, M Swenarton, J-M Léger and C Espejel): they held a discussion on the architectural criteria and concepts and on their socio-political contexts, and settled a database beta version for MdH. The team members deepened the inherent theoretical frame in their own production through articles presented at scientific meetings, specialized seminars and conferences.

This team production fits under 3 main subjects: i) the ordinary construction of modernity; ii) the history of housing types, models, context and their transformation; iii) the Portuguese public housing programmes and actions.

i) R. Ramos developed a consistent approach to housing as a crucial phenomenon in the architectural production of the 20th century, highlighting the necessity of reconsidering the Modern Movement orthodoxy, accepting a plural, impure and diverse modernity identified in current production, as a background for an alternative housing history [Ra13; Ra11; Ra05].

ii) G. Lameira and L. Rocha developed studies about collective dwelling for middle classes, focusing on the preservation processes [Ro14; RoTo14], the socio-economical context and regulations [La12], as well as the methodological instruments to a morphological analysis of city and buildings [La14; CaSa14]. As an international partner [EsCaLaArPe13], C. Espegel has conducted team research work documenting large series of multifamily housing built in Spain (1929-1992) that fostered a critical overview on the Spanish housing phenomena.

iii) An overview of the subject is proposed in [RaGoSi14], where a variety of architectural designs from the 1st half of the 20th century is connected through the common search of a 'new identity' issued from the single-family house model. In his own production, E. Gonçalves introduced this topic by approaching social housing in the early 20th century, in particular the period prior to Salazar's dictatorship (1926-74), mainly characterized by an unconscious and experimental reasoning that brings together different housing proposals [Go10; Go13]. Such architectural experiences set out a modern rationality opposed to the traditional and academic imperative of form [Go11; Go15]. The reframing of the single-family house as an archetypal symbol of nationalism and as an instrument of social control is the core of S. Silva's PhD conducted on CE housing programme (CE, 1933-74). Based on the timid previous attempts during the 1st Republic (1910-1926), CE's developments generated several other public initiatives, as those studied by M. Tavares. She focuses her research on the housing programmes developed mainly in the 2nd half of the 20th century with the primary goal of understanding the architecture produced by HE (HE, 1946-72) [Ta01.10; Ta01.13]. She reconstructs the path of the housing architecture promoted [Ta15] and highlights emerging values related to different cultural and contextual patterns [Ta02.10; Ta02.13]. In her post-doc research M. Cruz focuses in Cooperative Housing (CHE, 1974-82) clarifying the national context of the CHE production [Cr11] and explaining the shifts occurred in the cooperative sector with the Portuguese transition to democracy [Cr13].

These approaches to different layers of the theme allow for an understanding - from the architect's point of view - of the social, cultural and economical transformations of the Portuguese 20th century enriched by the expertise of other team members. Their investigations focus on the topic in hands, as is the case of V. Pereira on Porto's social housing [PeQu12; WaSlPe14], or on a broader approach to the Portuguese 20th century history. M. F. Rollo's investigation on the post-WWII [Rol07] stresses the transition from a rural to an industrial society, directly connected to the transformations in housing programmes in that period. From the background experiences traced above, we understand that the team's main research on state's subsidized housing has been carried out by individual researchers trying to overcome the gap between isolated interventions' or single building's analysis that, by focusing on circumscribed studies, underestimates the impact of contexts in the ordinary architecture, basic unit of the urban environment.

MdH results, thus, from the need to create an integrated knowledge network, materialized in an instrument - the database - allowing to bridge and congregate diverse documents and knowledge and foster future developments. We propose to do so by joining international scholars engaged with historical, theoretical and documental research on housing, in a multidisciplinary team aimed at the study of housing programmes, instead of that of the singular architectural oeuvres.

We believe MdH will open innovative perspectives that contribute to a review of established discourses spread among several disciplines and contexts.

### 3.2.2. Plano e Métodos

#### 3.2.2. Plan and Methods

##### Context

The 20th century fostered a wide debate on housing, fed by the arising and development of some of our contemporary spatial and social concepts: comfort, privacy, minimum dwelling, welfare state, right to housing, etc. Housing has constituted, therefore, a common ground for different fields of knowledge as well as a major public and political concern.

Alongside the academic research and the architectural experimentation, all over Europe the state (i.e. central governments, municipalities, etc.) promoted and subsidized thousands of housing units to address needs issued from the growing urban societies, the decolonization, the devastation of the two wars, and the fragility of low-income populations, incorporating - in diverse forms - the general idea of the state as a housing provider.

Although widespread, sharing similar concerns and existing in most European countries, this state production is deeply weaved in national and cultural circumstances that shaped different housing stocks. In Portugal, the overthrow of the dictatorship in 1974 delayed the development of the welfare policies that begun for most European countries with the end of WWII. Nevertheless, we can trace a public concern for housing since the foundation of the Republic (1910) that was materialized by means of different policies, programmes and actions, over the following decades.

Our project is centred in this period (1910-1974) and targeted at the understanding of the concrete architectural realizations issued from this uncharted Portuguese state's action.

In terms of its timing, our approach is proposed when global concerns regarding the role of the state as a housing provider take place, motivated by the American and European economic crisis. In this context, on one hand, we aim to understand the relation between architecture and power [Va92] under the frame of housing production. On the other hand, we envisage to incorporate this analysis in a wider questioning regarding the states' assurance of the basic necessities of the citizens' life: education, health, justice, etc.

Considering these interrelations, this research also focuses on the particular role of architects in their connection to political ideologies and actions. The architect as "the heroic figure, building the future (...) at the forefront of innovation", [SwAvHe14] contrasts with the idea of a 'departmental architecture' [Gu08]. We intend to put these two roles in relation with the practical concretizations of the residential architecture. Where and when can we observe the spatial or constructive innovations? How far could the architect go in the pursuit of his authorial concerns? How strong, and to what extent, was the state influencing the architectural practice?

##### Challenge

The mentioned production of the state constitutes a significant portion of the residential sets built in the 20th century in Portugal, even if scarcely acknowledged, studied and surveyed. In order to use and maintain this heritage we need to understand its history, its premises and its objectives, and to study them as part of a global action is a concrete challenge due to: 1) The nature of former studies and research; 2) The way in which archives and institutions are organized.

In fact, many public institutions of housing tutelage maintain archives of a considerable amount of data related to the housing sets built in Portugal over the past decades. More or less organized, mainly in physical archives, these documents are of a tremendous value for housing research. They represent a large asset intimately related to the political wills and regulations, kept by local and specialized teams but undisclosed to society and unrelated to each other.

In parallel to this, most research done in the Housing Studies field is carried out in distinct disciplines and domains. Given the

academia's structure in subjects, this leads to a slow integration of results, generating limited academic questioning.

Regarding the architectural research, most of the recent studies tend to a monographic approach of architecture, promoting interpretative analysis and reasoning more than an understanding of artefacts as part of thorough and complex cultural, economical and political arrangements.

We believe that this particular body of data and knowledge needs to be organized, integrated, interrelated and put in larger contexts. Therefore, the key research question of this project is the study of the complex relation between housing architecture and the state's actions by revisiting neighbourhoods, buildings, dwellings and their original plans.

#### Our proposal

We propose to build an instrument that will allow weaving data and knowledge referring to state subsidized housing in Portugal, in the form of a complex database, and to develop its inherent methodologies.

While this implies a return to primary sources (archive records and documents), it fosters as well a review of already known books and research works (secondary sources) and, in doing so, an integrative approach of distinct document types and various fields' perspectives.

We aim at an integrated overview on two combined paths.

On one side, the chronological perspective: by looking at a particular aspect such as regulations, public/private interaction or urban inscription, we can observe the development of the subject at different times. This leads to a broad consideration of the factors that impact on housing architectural design and vice versa.

On the other side, bringing together different settlements allows a systematic reading of their processes connected to social and political context. This approach allows to understand the diversity of the responses to similar problems and to acknowledge the similitude of geographically scattered events or facts.

An overall vision of the housing sets triggers a research approach capable of revealing the global intentions, the background strategies and the common solutions that the circumscribed analysis does not seize.

#### Methodologies

The research work is organized in 3 main actions:

1. Documental: database construction and data gathering.
2. Interpretative: systematization, categorization and interrelation of documents and data.
3. Communicative: Spreading and dissemination of knowledge.

For the first action, we will rely on a documental corpus anchored on residential settlements' projects archived in various Portuguese Institutions (IHRU, SIPA, LNEC, Municipalities, etc) as well as on the related documents (memoirs, reports and assessment procedures, etc.). These data will then be compiled in a database that relates each operation/estate/building to bibliographic and photographic references, as well as to its legal frame.

In the second action, the interpretation and interrelation of the materials gathered and organized are the basis to substantiate a contemporary vision of the residential settlements, endorsing their present intervention actions, as well as a review of the political, economical and social 20th century history integrating alternative readings established from social housing.

The mentioned housing sets will serve as anchor point to compile and relate further data and other pertinent cases. The database is organized in two levels: the first level is constituted by the elements referring to the architectural design: plans, sections, elevations, photographs, location, urban insertion, authorship, relevant dates or facts, promoting public entity or department, and bibliographical references. In a second level we find a registry of the categories that relate each building or estate with an interpretative reasoning.

In the third action we foresee:

- International Conference
- Exhibition
- Books: glossary, booklets, catalogue, edited book
- Project Website incorporating database open access

#### Benefits, Impact and Expected Results

A. This project will benefit 2 groups:

1. Specialists in Architecture, History, Socio-political Sciences and Urban Studies: architects, sociologists, policymakers and governmental institutions.
2. Research and education stakeholders: universities and research institutions.

B. Impact in terms of concentration and transfer of knowledge:

1. The deepening of classification and analysis methodologies between fields of knowledge, research units and countries;
2. The promotion of Early Stage Researchers' training opportunities;

C. Expected results and deliverables:

1. The online database is capable of upholding decisions in the environmental, social and economical fields, and of generating guidelines for public housing management, maintenance and heritage protection;
2. The strongly established research collaborations will generate future innovative topics at national and international level;
3. 12 Master theses
4. 3 PhD theses
5. 9 international peer-reviewed journal articles, 4 national peer-reviewed journal articles; 3 book publication: 1 glossary, 1 catalogue, 1 edited book
6. 1 International Conference and 1 Exhibition
7. 6 booklets and 1 report
8. 20 presentations at international conferences, 4 presentations at national meetings

#### Role of FAUP

FAUP: provide the necessary space for research activities and events; offer technical support to the team; provide administrative and accountant support to the project.

CEAU: Coordinate all the activities; promote meetings amongst researchers; recruit research fellows.

#### Role of FLUP

IS-UP: Background studies: architectural data interpretation in socio-political perspectives.

Information Science: database parameterization/configuration; definition of indexing policies; Indexing language; interfaces and

user levels definition.

Role of FCSH-UNL

IHC: Background studies: architectural data interpretation in Contemporary History and Political Science perspectives.

Role of ESTAM

GIVCO: Database adjustments: criteria definition; architectural data systematization and interpretation in an international architectural perspective.

### 3.2.3. Tarefas

#### 3.2.3. Tasks

##### Lista de tarefas (10)

##### Task list (10)

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
1	Database construction	01-01-2016	31-12-2017	24	40

##### Descrição da tarefa e Resultados Esperados

Task description and Expected results

The database will be the main input for the development of the research. Available both to a general and Institutional public, the database will substantiate a contemporary vision of the residential settlements, endorsing their present intervention actions, as well as a review of the political, economic and social 20th century history integrating alternative readings established from social housing. It will be comprised with contents generated by the task 2 and will relate each operation/estate/building to bibliographic and photographic references, as well as to its legal frame.

This task will be divided into four stages:

- Database construction and testing;
- Geographic Information System (GIS) construction and testing;
- Database adjustments;
- Data loading, description and indexation.

In the first stage will take part the IR and the researchers Sérgio Silva (CEAU/FA/UP) and Fernanda Ribeiro (FL/UP). This interdisciplinary team will develop the platform to support the research.

At the same time, to accomplish the second stage, the researchers Raquel Paulino, Teresa Cálix, together with Fernanda Ribeiro will provide the integration with the Geographic Information System.

In the database adjustments, the third stage, will be involved the IR, the researcher Luciana Rocha and the international members Carmen Espejel (GIVCO) and Daniel Movilla (GIVCO) so that this task may benefit from the experience and knowledge related to other international case studies.

The data loading, description and indexation relating to the fourth stage will include a research fellow during six months supervised by the researcher Sérgio Silva. The conclusion of this stage will match the second milestone at the end of the second year.

##### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

(BI) Bolseiro de Investigação (Lic. ou Bacharel) 1; Cândida Fernanda Antunes Ribeiro; DANIEL MOVILLA; Luciana da Silva Rocha; MARIA DEL CARMEN ESPEJEL ALONSO; Raquel Alexandra Geada e Paulino; Rui Jorge Garcia Ramos; Sérgio Alves do Rêgo Dias da Silva; Teresa Manuel de Almeida Cálix Augusto;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
2	Data gathering	01-01-2016	30-06-2017	18	38,4

##### Descrição da tarefa e Resultados Esperados

Task description and Expected results

The data gathering will result into a survey through a documentary corpus anchored on the residential settlements and urban projects archived in various Portuguese Institutions, as well as on the related procedural documents (memoirs, reports and assessment procedures, etc.). These data will be then compiled in the database (task 1).

The main goals are:

- Location, selection and digitalisation of the material;
- Bibliographic survey;
- Photographic survey;
- Background studies on the political, economic and social issues.

During the first month, the researchers Eliseu Gonçalves and Maria Tavares will gather the material that will later be selected by Sérgio Silva, Marta Cruz and a postdoctoral research fellow. Then, a research fellow will scan all the necessary material. This first stage will last sixteen months.

At the same time and until the middle of the first year, within the second stage, will be carried out the bibliographic survey that will include the researchers Eliseu Gonçalves and Maria Tavares. At the end of the first year, Sérgio Silva will organize a photographic survey during three months.

The background studies on the political, economic and social issues, that accomplish the fourth stage, will involve the researcher Marta Cruz, Maria Fernanda Rollo (IHC/FCSH/UNL) and Virgílio Pereira (IS/FL/UP). This stage will last six months and will take place at the beginning of the second year.

##### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

(BI) Bolseiro de Investigação (Lic. ou Bacharel) 2; (BPD) Bolseiro de Pós-Doutoramento 1; Eliseu Manuel Vieira Gonçalves; José Virgílio Borges Pereira; Maria Fernanda Gaspar Tavares; MARIA FERNANDA ROLLO; Marta Luís Oliveira Cruz Proença de Carvalho; Sérgio Alves do Rêgo Dias da Silva;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
3	Data systematisation	01-12-2016	30-04-2018	17	24

**Descrição da tarefa e Resultados Esperados**

Task description and Expected results

This task involves the definition of criteria for data compilation and the issues relating to systematisation and interpretation. This analysis and reasoning will be discussed in the International Conference (task 9) and shared in the form of a Booklet Periodical Series (task 6) focused on concrete aspects, systems or cases; an Exhibition (task 5) on the State-subsidised residential architecture and the related Catalogue; and finally, in the form of a Book (task 10) based in an international comparative study.

Coordinated by the researcher Luciana Rocha, this task will involve the collaboration of the researcher Gisela Lameira and the international expertise of the researchers Carmen Espejel (GIVCO) and Daniel Movilla (GIVCO).

This task will involve a postdoctoral research fellow during twelve months.

**Membros da equipa de investigação nesta tarefa**

Members of the research team in this task

(BPD) Bolseiro de Pós-Doutoramento 2; DANIEL MOVILLA; Luciana da Silva Rocha; MARIA DEL CARMEN ESPEJEL ALONSO; Maria Gisela Antunes Lameira;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
4	Website	01-01-2016	31-12-2016	12	4,4

**Descrição da tarefa e Resultados Esperados**

Task description and Expected results

This task includes the development, management and maintenance of a specific website in order to disseminate the project outcomes. The site will improve networks, disclose activities or scientific production and provide the access to an online database platform.

It will be developed with the expertise and knowledge of the researcher Fernanda Ribeiro (FL/UP) and the coordination of the researcher Gisela Lameira. From then on, it will be regularly updated until the end of the project.

**Membros da equipa de investigação nesta tarefa**

Members of the research team in this task

Cândida Fernanda Antunes Ribeiro; Maria Gisela Antunes Lameira;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
5	Exhibition and Catalogue	01-10-2016	30-09-2017	12	18

**Descrição da tarefa e Resultados Esperados**

Task description and Expected results

The objective is to organise an exhibition on the State-subsidised residential architecture to be held at an intermediate stage of the research project. The related catalogue will compile the elements presented at the exhibition.

This task will last twelve months and incorporate an interdisciplinary team coordinated by the researcher Maria Tavares. The consultant Jean-Michel Léger will contribute to introduce an international point of view on residential architecture, conception and usage.

**Membros da equipa de investigação nesta tarefa**

Members of the research team in this task

Eliseu Manuel Vieira Gonçalves; Maria Fernanda Gaspar Tavares; MARIA FERNANDA ROLLO; Raquel Alexandra Geada e Paulino; Rui Jorge Garcia Ramos;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
6	Booklet Periodical Series	01-04-2016	31-12-2018	33	15

**Descrição da tarefa e Resultados Esperados**

Task description and Expected results

The production of small essays about housing neighbourhood architecture will be coordinated with the development of several master's theses at FAUP. It will enable to systematize a large number of significant urban and architectural case studies by means of characterization data sheets.

The aim is to produce six Booklet Periodical Issues focused on specific aspects, systems or cases. This task that will be coordinated by the researcher Marta Cruz will start at the beginning of the first year and will last at the end of the research project.

**Membros da equipa de investigação nesta tarefa**

Members of the research team in this task

Eliseu Manuel Vieira Gonçalves; Marta Luís Oliveira Cruz Proença de Carvalho; Sérgio Alves do Rêgo Dias da Silva;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
7	Glossary	01-01-2016	31-03-2017	15	12,6

**Descrição da tarefa e Resultados Esperados**

Task description and Expected results

The scientific/theoretical/academic discourse about housing architecture is dominated by a terminological framework of ambiguous semantics. Since then, the main goal of the glossary is to clarify particular terms used on the database. The aim is to define rigorous Portuguese vocabulary according to universal quantification and qualification criteria able to be related with international thesaurus for Architecture like the known Getty Institute.



This glossary can be used by different kinds of scientific fields and languages. The international consultant Monique Eleb will contribute for the analysis on specific terms or architectural concepts that allow building up a comprehensive and transverse discourse on the theme.

This task will also involve a postdoctoral research fellow during six months. That expertise will increase the scope of the analysis.

#### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

(BPD) Bolseiro de Pós-Doutoramento 1; Luciana da Silva Rocha; Maria Gisela Antunes Lameira;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
8	Report	01-05-2018	31-08-2018	4	10,5

#### Descrição da tarefa e Resultados Esperados

Task description and Expected results

The main objective is to develop a preliminary report summarizing the results of the research work whose conclusions will be discussed within the International Conference (task 9). This document will compile all the data developed during the research project: publications, communications, seminars and conferences, advanced training or booklet series (see the expected outputs). It will be a Status Report that will describe the methodology used for setting up the database and will collect the results produced, as well as the individual contributions from the research team.

This task will last four months and will mainly involve the researchers Eliseu Gonçalves, Teresa Cálix and Maria Tavares.

#### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

Eliseu Manuel Vieira Gonçalves; Maria Fernanda Gaspar Tavares; Teresa Manuel de Almeida Cálix Augusto;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
9	International Conference	01-01-2018	31-12-2018	12	18,1

#### Descrição da tarefa e Resultados Esperados

Task description and Expected results

An International Conference on 20th Century Public Housing organised by an international scientific committee will take place at FAUP on the final stage of the project.

This event will provide a moment for scientific dissemination where the conclusions of the research project will be presented and new paths for research discussed. Anchored in some leading researchers presentations, the meeting will contribute to bring together different contexts and views and, simultaneously, to spread out the research project results.

The organization committee will have an interdisciplinary and international team composed by Gisela Lameira, Luciana Rocha and Raquel Paulino from the proponent institution, as well as the researchers Carmen Espejel and Daniel Movilla (GIVCO) and Virgílio Pereira (IS/FL/UP). A master research fellow during three months will contribute on logistics related to this kind of events, like travels, accommodation and technical issues.

#### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

(BI) Bolseiro de Investigação (Mestre) 3; DANIEL MOVILLA; José Virgílio Borges Pereira; Luciana da Silva Rocha; MARIA DEL CARMEN ESPEJEL ALONSO; Maria Gisela Antunes Lameira; Raquel Alexandra Geada e Paulino;

Ordem	Designação da tarefa	Data de início	Data de fim	Duração	Pessoas * mês
Order	Task denomination	Start date	End date	Duration	Person * months
10	Book	01-01-2018	31-12-2018	12	23

#### Descrição da tarefa e Resultados Esperados

Task description and Expected results

A bilingual book with the conclusions of the research project and selected papers from the International Conference will be published. The main goal is to increase the results from an international comparison perspective. This document also seeks to create starting points for future international researches.

The editorial scheme will be delineated; topics organized; graphic design discussed; publishing settled; international distribution assured. A postdoctoral research fellow during twelve months will contribute to further discussion and improve the conclusions with its expertise knowledge.

The publication will match the final stage of the research project and will expose the exploration results.

This task will involve the special contribution of the international consultant Mark Swenarton. The main goal is to set an international comparison using his knowledge on architecture and the Welfare State.

#### Membros da equipa de investigação nesta tarefa

Members of the research team in this task

(BPD) Bolseiro de Pós-Doutoramento 3; Rui Jorge Garcia Ramos; Sérgio Alves do Rêgo Dias da Silva;

### 3.2.4. Calendarização e Gestão do Projeto

#### 3.2.4. Project Timeline and Management

##### 3.2.4.a Descrição da Estrutura de Gestão

###### 3.2.4.a Description of the Management Structure

The management structure of the MdH is centred on a core group associated with CEAU/FA/UP and a full project team including researches from the participant institutions (ETSAM/UPM; FCSH/UNL; FL/UP). The core group will schedule a monthly meeting to analyse the evolution of the project work while the full project team will schedule a meeting every six months to present the work

that has being developed by each participant institution. The meetings will be at the host institution.

The core group will communicate with the participant institutions through the team members associated with those institutions.

Those members will be responsible for the work within their institutions and for communicating the development of that work to the core group at the full team meetings.

The full project team will be divided in smaller production-oriented teams, according to the tasks to be developed and a member of the core group will head each of those smaller teams. That member will be responsible for a monthly report, at the core group meeting, of the development of that task.

In the beginning of the research project a session will be organized with the students of the 5th year of the Master Degree in Architecture at the Principal Contractor (FAUP) to present the project and incite the development of master theses under the orientation of team members and within the scope of the project's subject.

At the first meeting of each year the core group will address and prepare the launching of the competitions for the foreseen post-doc and investigation grants.

The Consultants will be invited to meetings related to their linked tasks – Exhibition and Catalogue, Glossary and Book.

### 3.2.4.b Lista de Milestones

#### 3.2.4.b Milestone List

<b>Data</b>	<b>Designação da milestone</b>
-------------	--------------------------------

Date	Milestone denomination
------	------------------------

31-03-2017	Glossary
------------	----------

#### **Descrição**

Description

Set of specific terms or concepts that allow building up a comprehensive and transverse discourse on the theme. It can be used by different kinds of scientific fields and languages. After this milestone it is possible to stabilize the database entries criteria.

<b>Data</b>	<b>Designação da milestone</b>
-------------	--------------------------------

Date	Milestone denomination
------	------------------------

31-12-2017	Database open access
------------	----------------------

#### **Descrição**

Description

End of the database construction and testing linked to the last phase of data gathering and systematization process. It comprises online free access to a selection of database contents through a friendly layout.

<b>Data</b>	<b>Designação da milestone</b>
-------------	--------------------------------

Date	Milestone denomination
------	------------------------

31-12-2018	International conference
------------	--------------------------

#### **Descrição**

Description

20th century Public Housing under debate organized by an international scientific committee. Anchored in some leading researchers' presentations, the meeting contributes to put together different contexts and points of view and, simultaneously, spread out the research project.

### 3.2.4.c Cronograma

#### 3.2.4.c Timeline

*Ficheiro com a designação "timeline.pdf", no 9. Ficheiros Anexos, desta Visão Global (caso exista).*

*File with the name "timeline.pdf" at 9. Attachments (if exists).*

## 3.3. Referências Bibliográficas

### 3.3. Bibliographic References

<b>Referência</b>	<b>Ano</b>	<b>Publicação</b>
Reference	Year	Publication
[Al10]	2010	<b>Almeida, P. (2010) Favor, Recompensa e Controlo Social: Os Bairros de Casas Económicas do Porto (1935-1965). Porto, Faculdade de Letras. Universidade do Porto.</b>
[Ba99]	1999	BAPTISTA, L.V. (1999) Cidade e Habitação Social. O Estado Novo e o programa das casas económicas em Lisboa, Oeiras, Celta Editora
[Cr11]	2011	<b>Cruz, M. (2011) Another way of dwelling: the portuguese experience on cooperative economic housing, 23rd ENHR Conference, Toulouse, France. Online publication</b>
[Cr13]	2013	<b>Cruz, M. (2013) Housing cooperatives in Portugal: shifts in the understanding of quality for the housing sector, 25th ENHR Conference, Tarragona, Spain. Online publication</b>
[EsCaLaArPe13]	2013	Espiegel, C., Canovas, A., Lapuerta, J.M., Arroyo, C.M., Pemjean, R. (2013) Vivienda colectiva en España siglo XX (1929-1992), Valencia, General de Ediciones de Arquitectura
[Fl89]	1989	Flamand, J.P (1989) Loger le Peuple. Essai sur L'histoire du Logement Social. Paris, Éditions la Découverte
[Go11]	2011	Gonçalves, E. (2011) "O Bairro do Monte Pedral e o alojamento operário em 1900", in Rui Jorge Garcia Ramos (ed.), Leituras de Marques da Silva, Porto, Fundação Instituto Arquitecto José Marques da Silva, 100-110. ISBN: 978-972-99852-7-0
[Go13]	2013	<b>Gonçalves, E. (2013) Bairros operários. Verbete in Maria Fernanda Rollo (dir.), Dicionário de história da I República e do republicanismo, volume I: A-E, Lisboa, Assembleia da República. ISBN: 978-972-556-557-5</b>

[Gr82]	1982	GROS, M.C. (1982) O Alojamento Social sob o Fascismo. Porto, Edições Afrontamento
[Ja94]	1994	Janarra, P. (1994), A Política Urbanística e de Habitação Social no Estado Novo [Texto Policopiado]: O Caso do Bairro de Alvalade de Lisboa (Entre o Projecto e o Concretizado). Tese de Mestrado. Lisboa, Instituto Sup. Ciências do Trabalho e da Empresa
[La12]	2012	Lameira, G. (2012) Hygienism, salubrity and regulations. The Oporto's collective dwelling in the 1st half of the 20th century. Heritage 2012 - 3rd international conference on heritage and sustainable development, in R. Amoeda et al (ed.), Heritage 2012 – Heritage and Sustainable Development, Porto
[Po13]	2013	Nuno Portas (coord. 2013), Habitação para o maior numero, Portugal, os anos de 1950-1980, Lisboa, CML, IHRU, 158-185. ISBN: 978-972-98508-8-2
[Ra05]	2005	<b>Ramos, R. (2005) Produções correntes em arquitectura: a porta para uma diferente gramática do projecto do início do século XX, NW noroeste: Revista de História, nº 1, Núcleo de Estudos Históricos da Universidade do Minho, 53-80. ISSN:1646-7248</b>
[Ra11]	2011	<b>Ramos, R. (2011) Disponibilidade moderna na arquitectura doméstica de Raul Lino e Ventura Terra na abertura século XX. in Marieta Dá Mesquita (ed.), Revistas de Arquitectura: Arquivo(s) da Modernidade, Caleidoscópio, CIAUD/FAUTL, 78-111. ISBN: 989658110X, 9789896581107 Translation: "Modernity in the domestic architecture of Raul Lino and Ventura Terra at the beginning of the 20th century"</b>
[Ra13]	2013	<b>Ramos, R. (2013) Casa Portuguesa. Verbete in Fernanda Rollo (dir.), Maria Fernanda Rollo, Ernesto Castro Leal, Manuel Loff, Paulo Fontes, Vitor Neto, David Luna de Carvalho, Helder Fonseca (coord.), Dicionário de História da I República e do Republicanismo, vol. 1, Lisboa, Assembleia da República, 6 pp. ISSN Vol. I: 978-972-556-557-5</b>
[Ro14]	2014	Rocha, L. (2014) The Preservation of Authenticity and the Awareness of the Necessary: 3 Buildings, 3 Case Studies, 3 Levels of Intervention, Docomomo Journal 51, 80-84
[RoTo14]	2014	Rocha, L., Tostões, A. (2014) Recommendations for the preservation of the Modern Movement Heritage in Oporto: the case of spatial adaptability of modern multifamily housing between 1940 and 1960, Heritage 2014, Green Lines Institute for sustainable development, Guimarães, 1091-1100
[SwAvHe14]	2014	Swenarton, M., Avermaete, T., Heuvel, D.V.D., ed (2014) Architecture and the Welfare State. Routledge, Norfolk. 1st edition. ISBN: 978-0-415-72539-2
[Ta01.10]	2010	<b>Tavares, M. (2010) Habitações Económicas – Federação de Caixas de Previdência: uma perspectiva estratégica [nos anos 50 e 60 em Portugal]. In Actas 1º CIHEL, Desenho e realização de bairros para populações com baixos rendimentos, Lisboa, Argumentum, 47-51. ISBN: 978-972-8479-72-5.</b>
[Ta01.13]	2013	<b>Tavares, M. (2013), Leituras de um percurso na habitação em Portugal, as Habitações Económicas – Federação de Caixas de Previdência. In Nuno Portas (coord.), Habitação para o maior numero, Portugal, os anos de 1950-1980, Lisboa, CML, IHRU, pp. 21-45. ISBN: 978-972-98508-8-2</b>
[Ta02.13]	2013	<b>Tavares, M. (2013), Nuno Teotónio Pereira. Arquitectura e Contexto: uma experiência. In Nuno Portas (coord.), Habitação para o maior numero, Portugal, os anos de 1950-1980, Lisboa, CML, IHRU, 158-185. ISBN: 978-972-98508-8-2</b>
[Ta15]	2015	<b>Tavares, M. (2015) Casas a Norte: as HE num processo de continuidade. In Virgílio Borges Pereira (ed.), O Estado, a habitação e a questão social na cidade do Porto, volume 2, Porto, Edições Afrontamento.</b>
[Sa03]	2003	Sambricio, C., ed (2003) Un siglo de vivienda social (1903/ 2003), Tomo I. Barcelona, Editorial Nerea
[Va92]	1992	Vale, L.J. (1992) Architecture. Power and National Identity. London, Routledge. ISBN: 9780300049589
[AlBaLeMaPa04]	2004	Allen, J., Barlow, J., Leal, J., Maloutas, T., Padovani, L. (2004) Housing & Welfare in Southern Europe, Delhi, Blackwell Publishing. ISBN: 1-4051-0307-8
[CaSa14]	2014	Calix, T., Sá, M. F. Morphological Territory as a Concept for Understanding the Composite City: Learning from Contemporary Structures, Textures and Contexts. in Gülsün Sağlamer et al (org.), Proceedings – European Symposium on Research in Architecture and Urban Design - EURAU 2014. Istanbul-Composite Cities, November 12-14, Istanbul, Istanbul Technical University, 2014. ISBN: 978-975-561-452-6
[La14]	2014	Lameira, G. (2014) Contemporary Oporto fragments: oppositions on the morphological relationship between collective housing and the city. in Gülsün Sağlamer et al (org.), Proceedings – European Symposium on Research in Architecture and Urban Design - EURAU 2014. Istanbul-Composite Cities, November 12-14, Istanbul, Istanbul Technical University, 2014. ISBN: 978-975-561-452-6
[Ca10]	2010	Cardoso, Vasco (2010), The Low-Income Townhouse Blocks in Porto: The Morphological Origins of a Central and Unique Portuguese Social Housing Experience. 17th Conference ISUF 2010: Institute of comparative Urban History, University of Münster and Institute of Geography, University of Hamburg

[Go10]	2010	Gonçalves, E. (2010) As soluções do alojamento operário no Porto: a prática de uma Arquitectura Económica, Saudável e Cómica na transição da Monarquia para a Primeira República. In Actas do I Congresso Internacional do Património Industrial, Vila do Conde, CIPI
[Gu08]	2008	Guillén, M.F. (2008) The Taylorized Beauty of the Mechanical: Scientific Management and the Rise of Modernist Architecture. Princeton University Press. ISBN: 9780691138473

### 3.4. Publicações Anteriores

#### 3.4. Past Publications

Referência Reference	Ano Year	Publicação Publication
[RaGoSi14]	2014	<b>Ramos, R., Gonçalves, E., Silva, S. (2014) From the Late 19th Century House Question to Social Housing Programs in the 30s: the Nationalist Regulation of the Picturesque in Portugal. Docomomo Journal, nº 51, 60-67. ISSN: 1380-3204.</b>
[Rol07]	2007	<b>Rollo, M.F. (2007) Portugal e a Reconstrução Económica do Pós-Guerra. O Plano Marshall e a Economia Portuguesa dos anos 50, Coleção Biblioteca Diplomática, 13, Ministério dos Negócios Estrangeiros</b>
[Go15]	2015	<b>Gonçalves, E. (2015) O alojamento operário portuense nas primeiras décadas do século XX: da Casa Familiar ao Bloco Comunitário". In Virgílio Borges Pereira (ed.), O Estado, a habitação e a questão social na cidade do Porto, volume 2, Porto, Edições Afrontamento</b>
[Ta01.13]	2013	<b>Tavares, M. (2013) Leituras de um percurso na habitação em Portugal, as Habitações Económicas – Federação de Caixas de Previdência. In Nuno Portas (coord.), Habitação para o maior numero, Portugal, os anos de 1950-1980, Lisboa, CML, IHRU, 21-45. ISBN: 978-972-98508-8-2.</b>
[WaSlPe14]	2014	<b>Wacquant, L., Slater, T.; Pereira, V. B. (2014), Territorial Stigmatization in action, Environment and Planning A, volume 46, pp. 1270-1280.</b>

### 3.5. Resubmissão de projectos

#### 3.5. Project Resubmission

##### Resubmissão?

Resubmission?

Não

No

## 4. Equipa de investigação

### 4. Research team



### 4.1 Lista de membros

#### 4.1. Members list

Nome Name	Função Role	Grau Degree	%	CV nuclear Core CV	CV
<b>Rui Ramos</b>	Inv. Responsável	AGREGAÇÃO	50	✓	<b>DeGois</b>
<b>Fernanda Ribeiro</b>	Investigador	AGREGAÇÃO	15	✗	FCTSIG/cv
<b>DANIEL MOVILLA</b>	Investigador	DOUTORAMENTO	15	✗	FCTSIG/cv
<b>Eliseu Gonçalves</b>	Investigador	LICENCIATURA	35	✗	<b>DeGois</b>
<b>José Pereira</b>	Investigador	AGREGAÇÃO	15	✗	FCTSIG/cv
<b>Luciana Rocha</b>	Investigador	LICENCIATURA	35	✗	FCTSIG/cv
<b>MARIA ALONSO</b>	Investigador	DOUTORAMENTO	15	✓	FCTSIG/cv
<b>Maria Tavares</b>	Investigador	MESTRADO	35	✗	FCTSIG/cv
<b>MARIA FERNANDA ROLLO</b>	Investigador	AGREGAÇÃO	15	✓	<b>DeGois</b>
<b>Maria Lameira</b>	Investigador	MESTRADO	35	✗	<b>DeGois</b>
<b>Marta Cruz</b>	Investigador	DOUTORAMENTO	40	✗	FCTSIG/cv
<b>Raquel Paulino</b>	Investigador	DOUTORAMENTO	35	✗	FCTSIG/cv
<b>Sérgio Dias da Silva</b>	Investigador	LICENCIATURA	50	✗	<b>DeGois</b>
<b>Teresa Calix</b>	Investigador	DOUTORAMENTO	35	✗	FCTSIG/cv

(O curriculum vitae de cada membro da equipa está disponível clicando no nome correspondente)

(Curriculum vitae for each research team member is available by clicking on the corresponding name)

**Total: 14**

### 4.2. Lista de membros a contratar durante a execução do projeto

#### 4.2. Members list to hire during project's execution

Membro da equipa Team member	Função Role	Duração Duration	%tempo %time
(BI) Bolseiro de Investigação (Lic. ou Bacharel) 1	Bolseiro	6	100
(BI) Bolseiro de Investigação (Lic. ou Bacharel) 2	Bolseiro	6	100
(BI) Bolseiro de Investigação (Mestre) 3	Bolseiro	3	100

(BPD) Bolseiro de Pós-Doutoramento 1	Bolseiro	12	100
(BPD) Bolseiro de Pós-Doutoramento 2	Bolseiro	12	100
(BPD) Bolseiro de Pós-Doutoramento 3	Bolseiro	12	100

**Total: 6****5. Outros projetos**

5. Other projects

-

**5.1. Projetos financiados**

5.1. Funded projects

*(Vazio)*  
*(Void)***5.2. Candidaturas similares**

5.2. Similar applications

*(Vazio)*  
*(Void)***6. Indicadores previstos**

6. Expected indicators

-

**Indicadores de realização previstos para o projeto****Expected output indicators**

<b>Descrição</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Description						
<b>A - Publicações</b>						
Publications						
Livros						
Books	0	0	2	1	0	<b>3</b>
Artigos em revistas internacionais						
Papers in international journals	0	3	3	3	0	<b>9</b>
Artigos em revistas nacionais						
Papers in national journals	0	1	2	1	0	<b>4</b>
<b>B - Comunicações</b>						
Communications						
Comunicações em encontros científicos internacionais						
Communications in international meetings	0	5	10	5	0	<b>20</b>
Comunicações em encontros científicos nacionais						
Communications in national meetings	0	1	2	1	0	<b>4</b>
<b>C - Relatórios</b>						
Reports	0	0	0	1	0	<b>1</b>
<b>D - Organização de seminários e conferências</b>						
Organization of seminars and conferences	0	0	0	1	0	<b>1</b>
<b>E - Formação avançada</b>						
Advanced training						
Teses de Doutoramento						
PhD theses	0	1	1	1	0	<b>3</b>
Teses de Mestrado						
Master theses	0	4	4	4	0	<b>12</b>
Outras						
Others	0	0	0	0	0	<b>0</b>
<b>F - Modelos</b>						
Models	0	0	0	0	0	<b>0</b>
<b>G - Aplicações computacionais</b>						
Software	0	0	0	0	0	<b>0</b>
<b>H - Instalações piloto</b>						
Pilot plants	0	0	0	0	0	<b>0</b>
<b>I - Protótipos laboratoriais</b>						
Prototypes	0	0	0	0	0	<b>0</b>
<b>J - Patentes</b>						
Patents	0	0	0	0	0	<b>0</b>
<b>L - Outros</b>						
Other						
Booklet Series Publication	0	2	3	1	0	<b>6</b>
Exhibition	0	0	1	0	0	<b>1</b>
Website	0	1	0	0	0	<b>1</b>

**Ações de divulgação da actividade científica****Scientific activity spreading actions**

The outputs that will be produced by the MdH are based on spreading actions with the

purpose to disclose the research results both to academic community and general public, ordering those actions according to their importance.

In the first year, the diffusion will be accomplished mainly through the publication of the booklet series and the participation in international meetings. This will allow the exchange and consolidation of issues through the interaction with external academic communities.

That exchange together with the research development will result, in the second year, in the publication of a Glossary, an Exhibition and a related Catalogue. The Exhibition will guarantee the participation of the general public, assuring the publicity of a dimension of the Portuguese architecture in the 20th century that is vastly unknown. This spreading will enlarge the scope of the discussion and public knowledge on the subject and therefore create a larger impact on the society's view of the housing issue and in the pertinence of its discussion today.

The scientific activity diffusion will culminate in the third year through an International Conference and a Book. While the conference will provide a presentation and discussion over the results of the research project, the book will improve it with further conclusions.

The communication to a wider audience will be assured through the integration of the database in the development of a website, conceived as a main vehicle to the disclosure of the collected data on a basic access level and in the spreading the project's evolution.

## 7. Orçamento

### 7. Budget

-

#### Instituição Proponente

Principal Contractor

#### Faculdade de Arquitectura da Universidade do Porto

Descrição Description	2015	2016	2017	2018	2019	Total
Recursos Humanos Human resources	0,00	24.716,00	24.786,00	22.905,00	0,00	<b>72.407,00</b>
Missões Missions	0,00	10.000,00	10.000,00	10.000,00	0,00	<b>30.000,00</b>
Consultores Consultants	0,00	5.000,00	5.000,00	5.000,00	0,00	<b>15.000,00</b>
Aquisição de bens e serviços Service procurement and acquisitions	0,00	13.000,00	10.000,00	10.000,00	0,00	<b>33.000,00</b>
Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Gastos gerais Overheads	0,00	12.116,00	11.284,00	9.880,00	0,00	<b>33.280,00</b>
<b>TOTAL DESPESAS CORRENTES</b> TOTAL CURRENT EXPENSES	<b>0,00</b>	<b>64.832,00</b>	<b>61.070,00</b>	<b>57.785,00</b>	<b>0,00</b>	<b>183.687,00</b>
Equipamento Equipment	0,00	7.865,00	6.634,00	1.493,00	0,00	<b>15.992,00</b>
<b>Total</b>	<b>0,00</b>	<b>72.697,00</b>	<b>67.704,00</b>	<b>59.278,00</b>	<b>0,00</b>	<b>199.679,00</b>

#### Instituições Participantes

Participating Institutions

#### Escuela Técnica Superior de Arquitectura de Madrid - Universidad Politécnica de Madrid

Descrição Description	2015	2016	2017	2018	2019	Total
Recursos Humanos Human resources	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Missões Missions	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Consultores Consultants	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Aquisição de bens e serviços Service procurement and acquisitions	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Gastos gerais Overheads	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>

<b>TOTAL DESPESAS CORRENTES</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>
TOTAL CURRENT EXPENSES						
Equipamento	0,00	0,00	0,00	0,00	0,00	0,00
Equipment						
<b>Total</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>

**Faculdade de Ciências Sociais e Humanas**

<b>Descrição</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Description						
Recursos Humanos	0,00	0,00	0,00	0,00	0,00	0,00
Human resources						
Missões	0,00	0,00	0,00	0,00	0,00	0,00
Missions						
Consultores	0,00	0,00	0,00	0,00	0,00	0,00
Consultants						
Aquisição de bens e serviços	0,00	0,00	0,00	0,00	0,00	0,00
Service procurement and acquisitions						
Registo de patentes	0,00	0,00	0,00	0,00	0,00	0,00
Patent registration						
Adaptação de edifícios e instalações	0,00	0,00	0,00	0,00	0,00	0,00
Adaptation of buildings and facilities						
Gastos gerais	0,00	0,00	0,00	0,00	0,00	0,00
Overheads						
<b>TOTAL DESPESAS CORRENTES</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>
TOTAL CURRENT EXPENSES						
Equipamento	0,00	0,00	0,00	0,00	0,00	0,00
Equipment						
<b>Total</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>

**Faculdade de Letras da Universidade do Porto**

<b>Descrição</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Description						
Recursos Humanos	0,00	0,00	0,00	0,00	0,00	0,00
Human resources						
Missões	0,00	0,00	0,00	0,00	0,00	0,00
Missions						
Consultores	0,00	0,00	0,00	0,00	0,00	0,00
Consultants						
Aquisição de bens e serviços	0,00	0,00	0,00	0,00	0,00	0,00
Service procurement and acquisitions						
Registo de patentes	0,00	0,00	0,00	0,00	0,00	0,00
Patent registration						
Adaptação de edifícios e instalações	0,00	0,00	0,00	0,00	0,00	0,00
Adaptation of buildings and facilities						
Gastos gerais	0,00	0,00	0,00	0,00	0,00	0,00
Overheads						
<b>TOTAL DESPESAS CORRENTES</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>
TOTAL CURRENT EXPENSES						
Equipamento	0,00	0,00	0,00	0,00	0,00	0,00
Equipment						
<b>Total</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>

**Orçamento Global**

<b>Descrição</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Description						
Recursos Humanos	0,00	24.716,00	24.786,00	22.905,00	0,00	72.407,00
Human resources						
Missões	0,00	10.000,00	10.000,00	10.000,00	0,00	30.000,00
Missions						
Consultores	0,00	5.000,00	5.000,00	5.000,00	0,00	15.000,00
Consultants						
Aquisição de bens e serviços	0,00	13.000,00	10.000,00	10.000,00	0,00	33.000,00
Service procurement and acquisitions						

Registo de patentes Patent registration	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Adaptação de edifícios e instalações Adaptation of buildings and facilities	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Gastos gerais Overheads	0,00	12.116,00	11.284,00	9.880,00	0,00	<b>33.280,00</b>
<b>TOTAL DESPESAS CORRENTES</b> TOTAL CURRENT EXPENSES	<b>0,00</b>	<b>64.832,00</b>	<b>61.070,00</b>	<b>57.785,00</b>	<b>0,00</b>	<b>183.687,00</b>
Equipamento Equipment	0,00	7.865,00	6.634,00	1.493,00	0,00	<b>15.992,00</b>
<b>Total</b>	<b>0,00</b>	<b>72.697,00</b>	<b>67.704,00</b>	<b>59.278,00</b>	<b>0,00</b>	<b>199.679,00</b>

**Plano de financiamento**

Finance plan

<b>Descrição</b> Description	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Financiamento solicitado à FCT Requested funding	0,00	72.697,00	67.704,00	59.278,00	0,00	<b>199.679,00</b>
Financiamento próprio Own funding	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Outro financiamento público Other public-sector funding	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
Outro financiamento privado Other private funding	0,00	0,00	0,00	0,00	0,00	<b>0,00</b>
<b>Total do Projecto</b> Total of the project	<b>0,00</b>	<b>72.697,00</b>	<b>67.704,00</b>	<b>59.278,00</b>	<b>0,00</b>	<b>199.679,00</b>

**8. Justificação do orçamento**

8. Budget rationale

-

**8.1. Justificação dos recursos humanos**

8.1. Human resources rationale

<b>Tipo</b> Type	<b>Duração (em meses)</b> Duration (in months)	<b>Custo envolvido (€) (calculado)</b> Total cost (€) (estimated)	<b>Nº de pessoas</b> No. of persons	<b>Outros custos (€)</b> Other costs (€)
(BPD) Bolsa de Pós-Doutoramento	12	53.820,00	3	4.741,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Taking into account the relevance of the subjects addressed, we consider that the subjects under study justify the involvement of post-doc researchers that will decisively contribute to the consolidation and enrichment of knowledge and to the quality of the Project.

Each BPD is aimed at a different participation and work production, during each year of the Project. The first one will focus mainly on the construction of a Glossary and on the selection of materials from archives; the second one will focus mainly on data systematization and interpretation; and the third one on book editing.

<b>Tipo</b> Type	<b>Duração (em meses)</b> Duration (in months)	<b>Custo envolvido (€) (calculado)</b> Total cost (€) (estimated)	<b>Nº de pessoas</b> No. of persons	<b>Outros custos (€)</b> Other costs (€)
(BI) Bolsa de Investigação (Lic. ou Bacharel)	6	4.470,00	1	769,00

**Justificação do financiamento solicitado**

Rationale for requested funding

The BI is dedicated to database construction, in what refers to loading, description and indexation tasks.

<b>Tipo</b> Type	<b>Duração (em meses)</b> Duration (in months)	<b>Custo envolvido (€) (calculado)</b> Total cost (€) (estimated)	<b>Nº de pessoas</b> No. of persons	<b>Outros custos (€)</b> Other costs (€)
(BI) Bolsa de Investigação (Lic. ou Bacharel)	6	4.470,00	1	792,00

**Justificação do financiamento solicitado**

Rationale for requested funding

The BI is dedicated to the digitalization of materials from archives.

<b>Tipo</b> Type	<b>Nº de pessoas</b> No. of persons



(BI) Bolsa de Investigação (Mestre)		1
<b>Duração (em meses)</b>	<b>Custo envolvido (€) (calculado)</b>	<b>Outros custos (€)</b>
Duration (in months)	Total cost (€) (estimated)	Other costs (€)
3	2.940,00	405,00

**Justificação do financiamento solicitado**

Rationale for requested funding

The BI is dedicated to give support to the organization of the International Conference.

**8.2. Justificação de missões**

8.2. Missions rationale

**Tipo**

Type

Participação em congressos

**Nº de deslocações**

No. of participations

10

**Local**

Venue

Europe

**Custo envolvido (€)**

Cost (€)

27.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

The dissemination, sharing and transmission of knowledge achieved and produced at different stages of the research project, alongside with the necessary definition and consolidation of an internationalization strategy, are objectives of major importance in the way they allow the promotion of work being produced and favor the consolidation of networks. Therefore the regular participation in international conferences and seminars are of major importance.

**Tipo**

Type

Trabalho de campo

**Nº de deslocações**

No. of participations

30

**Local**

Venue

Portugal

**Custo envolvido (€)**

Cost (€)

3.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

The development of the project requires an intensive archival work, especially during the first year. Therefore, it is necessary to dedicate a part of the financing to journeys, in order to make possible the data gathering.

**8.3. Justificação de consultores**

8.3. Consultants rationale

**Nome completo**

Full name

Monique Eleb

**Instituição**

Institution

UMR AUSSEY 3329 (CNRS)

**Fase do projeto**

Project phase

Task 7 - Glossary

**Custo (€)**

Cost (€)

5.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Travel, accommodation and honorarium for the participation at the elaboration of the Glossary.

**Página na Internet onde pode ser consultado o CV do consultor**

Web page where the consultant's CV can be accessed

<http://www.umrausser.cnrs.fr/spip.php?article204>

**Nome completo**

Full name

Mark Swenarton

**Instituição**

Institution

University of Liverpool - Architecture

**Fase do projeto**

Project phase

Task 8 - Book

**Custo (€)**

Cost (€)

5.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Travel, accommodation and honorarium for the participation on the writing of the book.

**Página na Internet onde pode ser consultado o CV do consultor**

Web page where the consultant's CV can be accessed

<http://www.liv.ac.uk/architecture/staff/mark-swenarton/>

**Nome completo**

Full name

Jean-Michel Léger

**Instituição**

Institution

UMR AUSSESS 3329 (CNRS)

**Fase do projeto**

Project phase

Task 5 - Exhibition and Catalogue

**Custo (€)**

Cost (€)

5.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Travel, accommodation and honorarium for the participation at the Exhibition and related Catalogue.

**Página na Internet onde pode ser consultado o CV do consultor**

Web page where the consultant's CV can be accessed

<http://www.umrausser.cnrs.fr/spip.php?article135>**8.4. Justificação de aquisição de bens e serviços**

8.4. Service procurement and acquisitions

**Tipo**

Type

Service procurement and acquisitions that support the development of the Project.

**Custo (€)**

Cost (€)

33.000,00

**Justificação do financiamento solicitado**

Rationale for requested funding

A number of tasks and activities scheduled for the prosecution of the project will be supported by service procurement and acquisitions, such as:

1. SIG construction (first year);2. Data loading (first and second year);3. Photographic survey (first year);4. Digitalization of materials gathered in archives (second year);5. Creation and management of site (first,second and third years);6. Editing a book (third year);7. and with the organization of an international conference (third year).

**8.6. Justificação do Equipamento**

8.6. Equipment rationale

**8.6.1. Equipamento já disponível para a execução do projeto**

8.6.1 Available equipment

<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Laptop computer	Apple	MackbookPro 13,3	2010
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
4 Laptop computers	Apple	Macbook Pro 13,3	2011
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Micro recorder	Olympus	DIG VN-8600PC	2011
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Camera	Panasonic	LUMIX DMC-GF2C	2011
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Scanner	Epson	GT 20000 Pro, formato A3	2012
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Laser distance measurement	Leica	DISTO D3a	2011
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
5 User Software License	FileMaker	FileMaker Pro 13	2013
<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Ano</b>
Equipment type	Manufacturer	Model	Year
1 Server Software License	FileMaker	FileMaker Pro	2013

**8.6.2. Discriminação do equipamento a adquirir**

8.6.2. New equipment requested

<b>Tipo de equipamento</b>	<b>Fabricante</b>	<b>Modelo</b>	<b>Custo (€)</b>
Equipment type	Manufacturer	Model	Cost (€)
2 Desktop computers	Apple	iMac 27	4.198,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to support the development of the activities planned under the defined project by members of the research team and by BPD's and BI's.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
1 Laptop computer	Apple	MacBook Pro retina 13	2.049,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to support the development of the activities planned under the defined project by members of the research team and by BPD's and BI's.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
3 Desktop backup hard drives	Lacie	Porsche Design P'9233 USB 3.0/4TB	570,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to be used to backup database and research material gathered under the project.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
2 Portable backup hard drives	Seagate	Backup Plus Slim/2TB	250,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to support the research and investigation in archives, namely the collection and storage of the collected material.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
1 Multifunctional printer A3+	Epson	WorkForce WF-7620DTWF	410,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to support different activities of the Project, in what concerns with printing texts, scripts, material for meetings, seminars, conference.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
1 Datashow	Epson	EB-1761W	849,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Equipment to support meeting sessions, poster sessions and dissemination of project results.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
5 Software Licenses	FileMaker	FileMaker Pro 13	2.107,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Software to be used by team researchers, BPD's and BI's.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
1 Software License	Adobe Creative Suite	Adobe Creative Suit - School/University	1.650,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Software to support the development of planned activities.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
5 User Software Licenses Update	FileMaker	FileMaker Pro	2.109,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Annual update of five User Licenses of FileMaker Pro.

Tipo de equipamento	Fabricante	Modelo	Custo (€)
Equipment type	Manufacturer	Model	Cost (€)
1 Server Software License Update	FileMaker	FileMaker Pro	1.800,00

**Justificação do financiamento solicitado**

Rationale for requested funding

Annual update of one Server License of FileMaker Pro.

**8.7. Justificação de registo de patentes**

8.7. Patent registration

(Vazio)

(Void)

---

**8.8. Justificação de adaptação de edifícios e instalações**

8.8. Adaptation of buildings and facilities

(Vazio)  
(Void)

---

**9. Ficheiros Anexos**

9. Attachments



---

Nome	Tamanho
Name	Size
<b>timeline.pdf</b>	71Kb

---

---

**10. Possíveis conflitos de interesse**

10. Possible Conflicts of Interest



---

**Lista**

**List**

29-01-2015 6:15:17

---



Financiado por fundos estruturais da UE e fundos nacionais do MEC

