

## **STATISTICS OF FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA (FCT)**

### **CAREER DEVELOPMENT**

This document contains information on the initiatives of FCT to promote career development of post-doctoral researchers.

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FCT runs several career development programmes for post-doctoral researchers of all nationalities and across all research areas:

#### ***Ciência* Programme**

This programme aimed at recruiting researchers to the National Science and Technology System, via 5-year contracts between the researchers and research centres. More than 1200 contracts were signed in 2007 and 2008. In 2017, 20 researchers were financed through the *Ciência* Programme.

#### **Welcome II Programme**

For European researchers with at least 3 years' experience outside Portugal, wishing to carry out research in Portuguese research centres. A total of 38 contracts (3-years) were signed in 2011 and 2012. All these contracts were terminated in 2017.

#### ***Investigador FCT* Programme**

There were four calls between 2012 and 2015, aimed at providing 5-year support for researchers capable of carrying out independent research and becoming leaders in their fields. Approximately 800 researchers were supported in three career levels: starting, development, and consolidation. In 2017, 667 researchers received funding from the IF Programme.

#### **Invited Research Chairs**

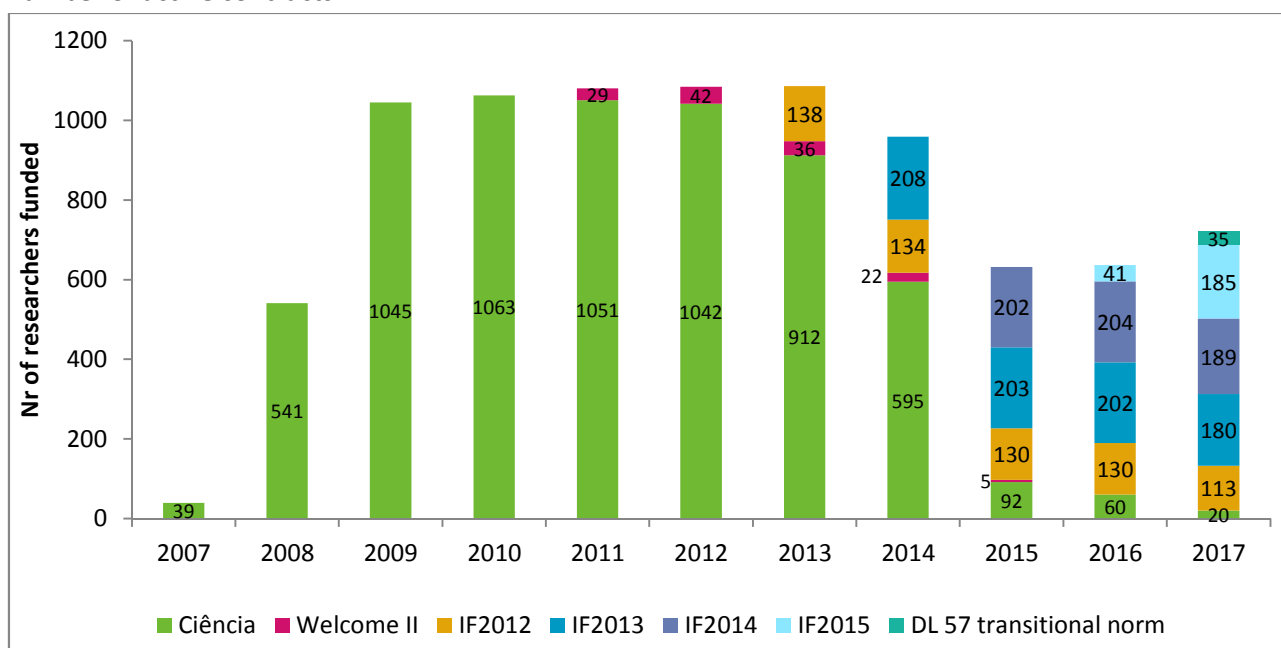
The creation of Invited Research Chairs, in 2008, aimed at the recruitment of leading international researchers to support Higher Education Institutions in their internationalization and partnership efforts.

#### **Stimulus of Scientific Employment**

Following the publication of the Law 57/2017, the implementation of its transitional norm (2000 contracts to be financed by FCT) started in 2017, with the funding of 35 contracts. By the end of 2017, FCT opened the first call for individual support of scientific employment that will fund 500 researchers.

## 1. NUMBER OF ACTIVE CONTRACTS AND INVESTMENT

### Number of active contracts<sup>1</sup>



Graph I – Annual number of active contracts

### Number of active contracts and investment<sup>2</sup>

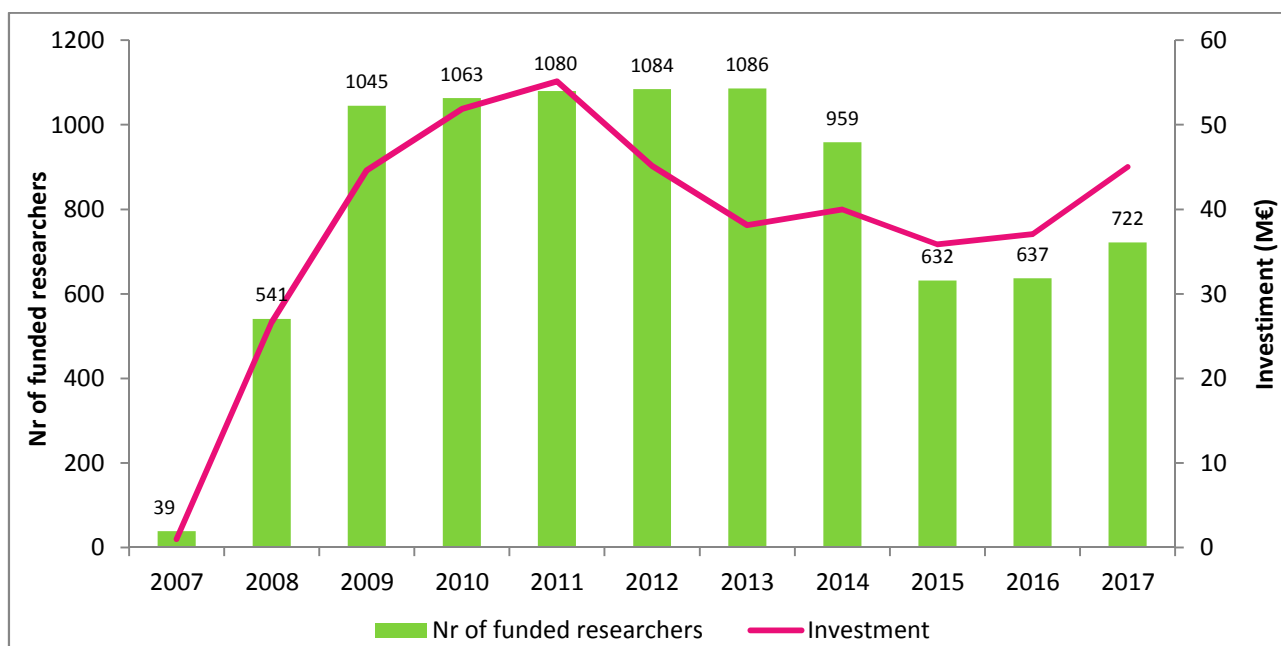
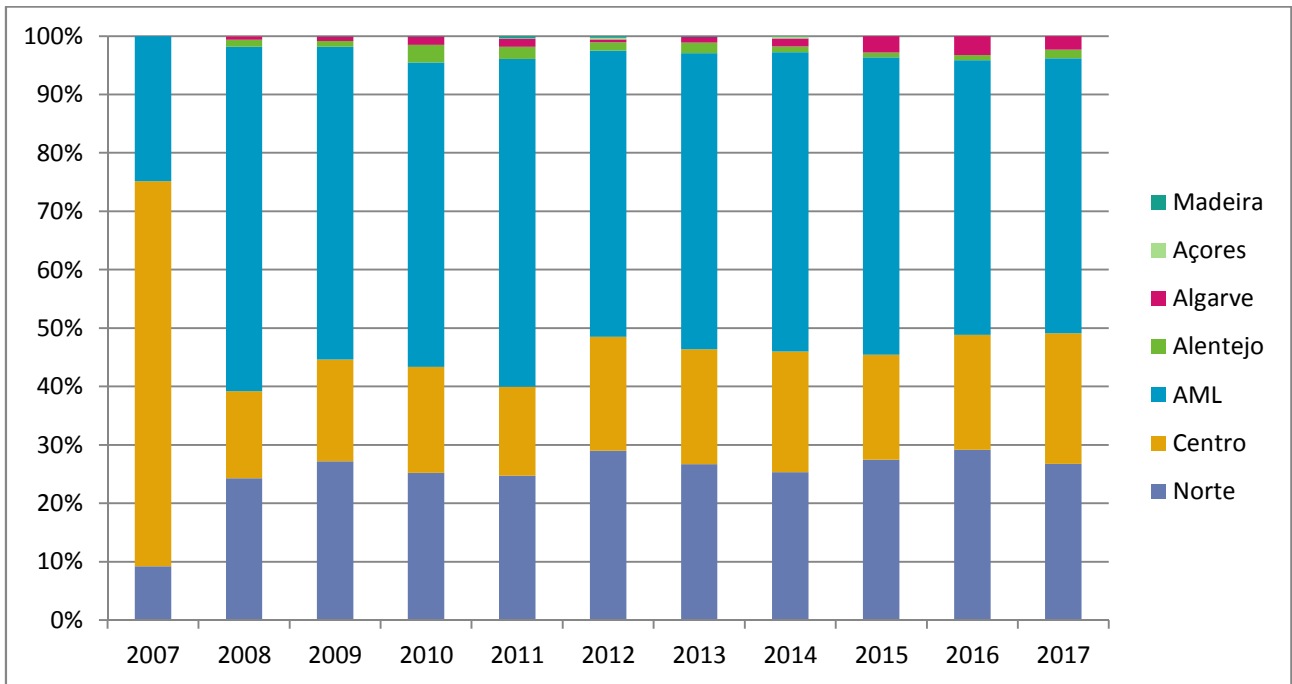


Gráfico II – Annual investment

<sup>1</sup> Active contracts per year: those that received at least one payment in that year. The Invited Research Chairs are not included.

<sup>2</sup> Includes direct expenditure associated with the contracts and the Exploratory Projects awarded to IF researchers.

**Distribution of investment per NUT II region<sup>3</sup>**



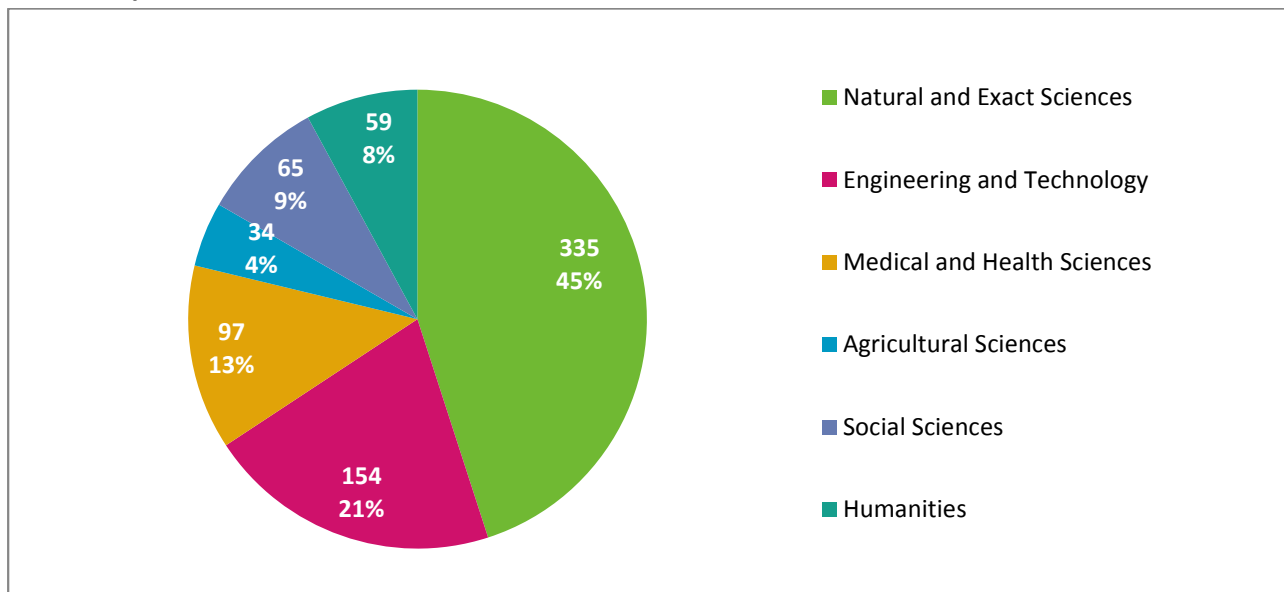
Graph III – Annual investment (%) per NUT II region

<sup>3</sup> Includes only direct expenditure. Exploratory Projects not included.

## 2. INVESTIGADOR FCT PROGRAMME

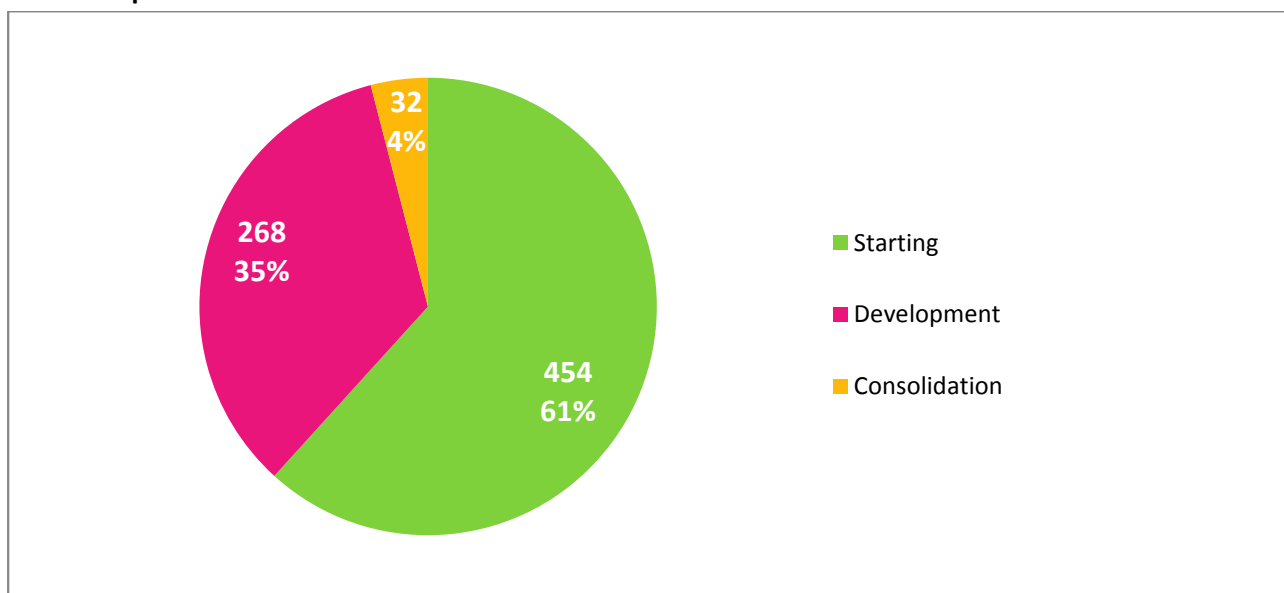
In the four calls of the IF Programme, 5420 applications were evaluated and 806 were recommended for funding (success rate 14.9%). The following analysis includes the **744 researchers** who signed contracts until March 2018<sup>4</sup>.

### Contracts per scientific domain



Graph IV – Number and percentage of contracts per scientific domain

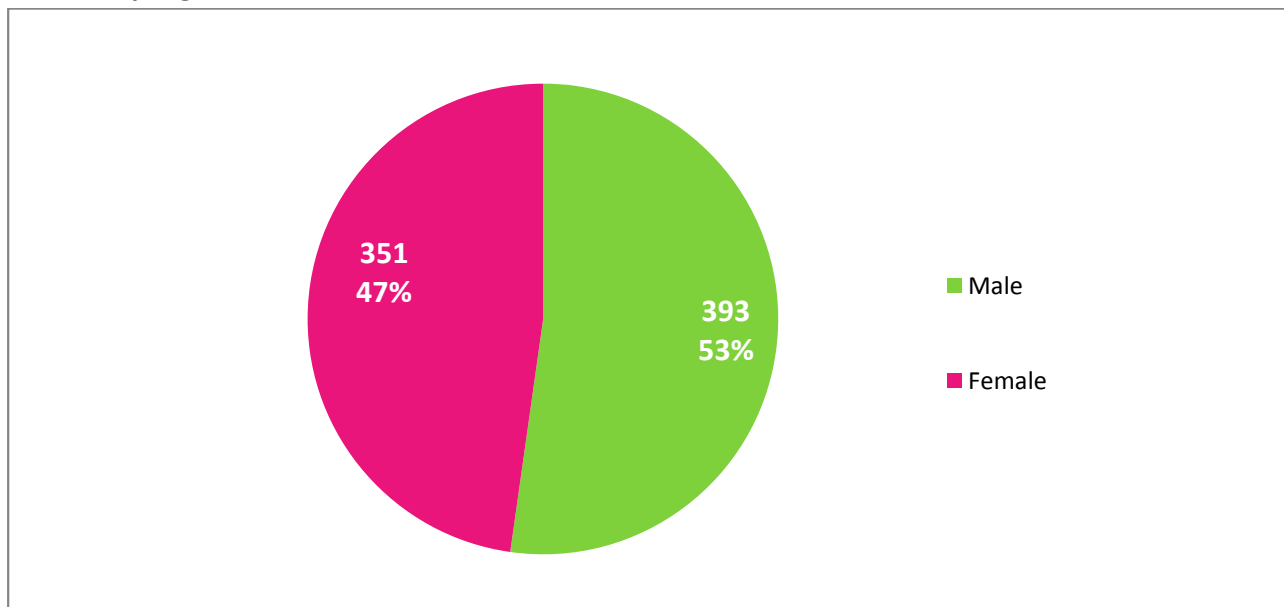
### Contracts per career level



Graph V – Number and percentage of contracts per career level

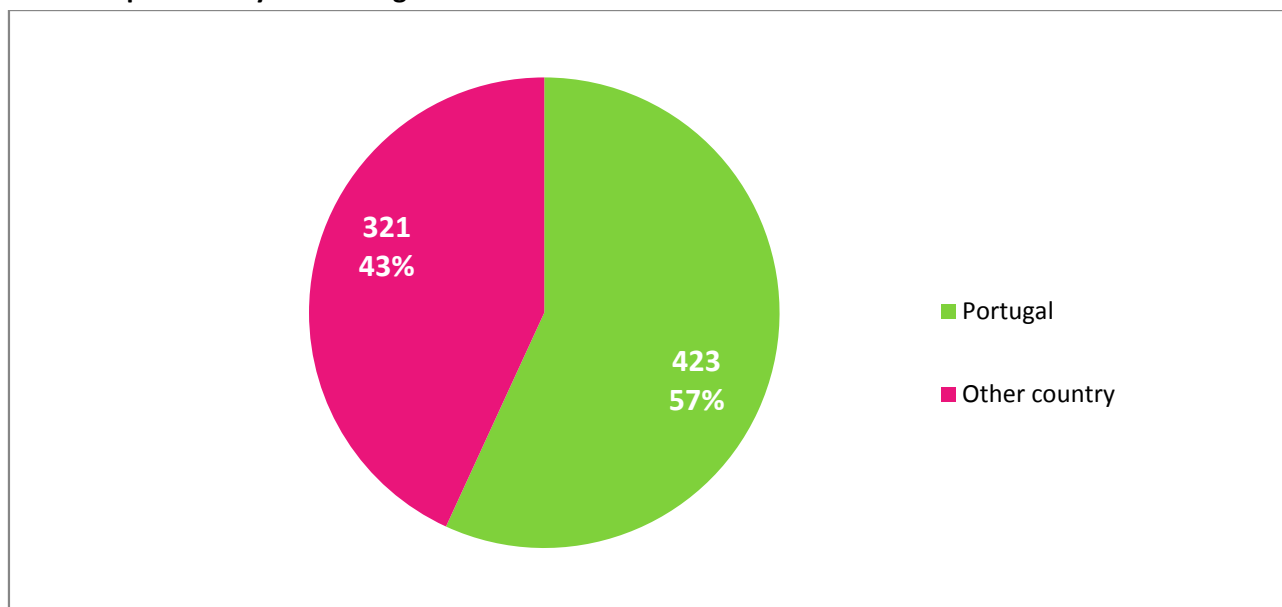
<sup>4</sup> This is the balance of a specific programme, "Investigador FCT 2012-2015", and does not include other mechanisms to stimulate scientific employment. Of the 806 researchers whose applications were recommended for funding, 62 gave up before signing the contract (7.7%). The 744 contracts that were celebrated involve 732 researchers, since 12 researchers had success in two editions of the IF Programme.

**Contracts per gender**



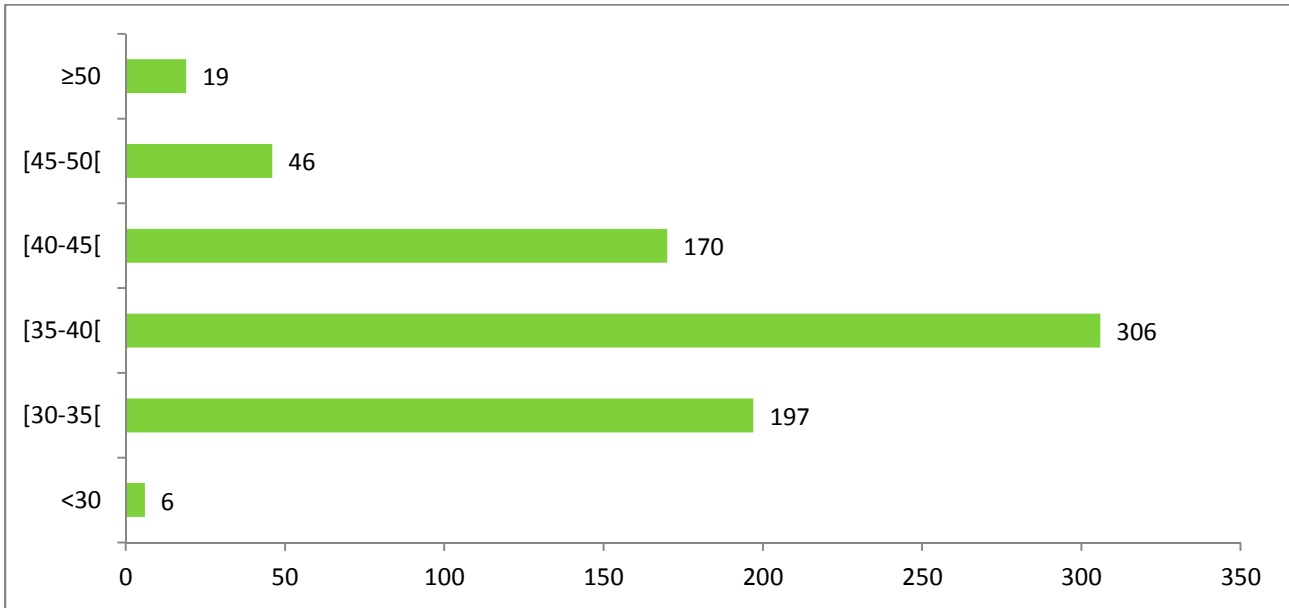
Graph VI – Number and percentage of contracts per gender

**Contracts per country of PhD degree**



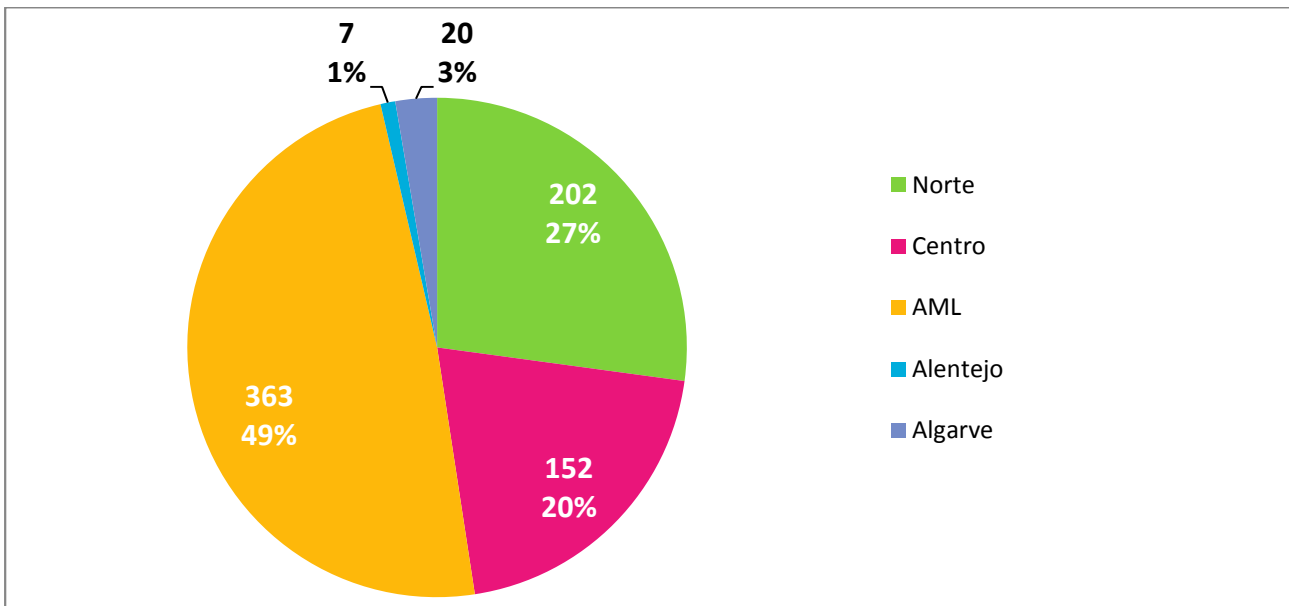
Graph VII – Number and percentage of contracts per country of PhD degree

**Contracts per age group<sup>5</sup>**



Graph VIII – Number of contracts per age group

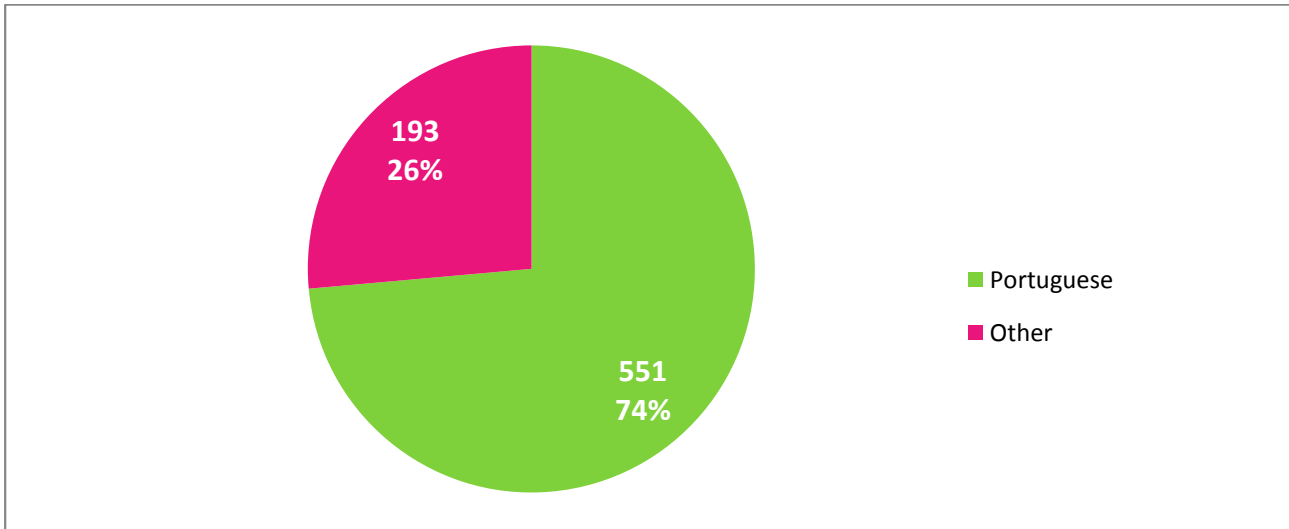
**Contracts per NUT II region of host institution**



Graph IX – Number and percentage of contracts per NUT II region of host institution

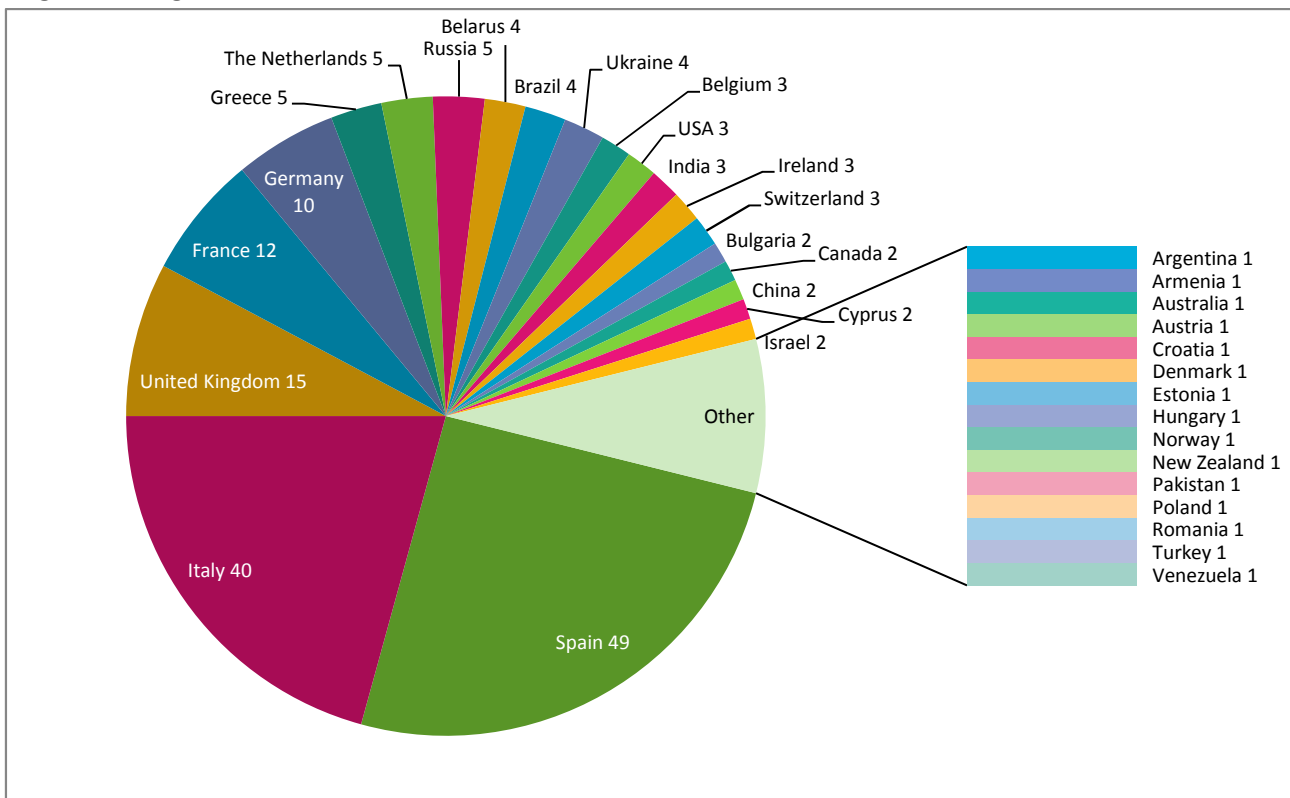
<sup>5</sup> Age group determined from the age of applicants at the final day of the call.

**Contracts per nationality**



Graph X – Number and percentage of contracts per nationality

**Origin of foreign researchers<sup>6</sup>**



Graph X – Countries of origin of foreign researchers

<sup>6</sup> Foreign researchers from 36 countries, mostly European.