



PhD EMPLOYMENT

1 – 2 YEARS AFTER

Scuola di Dottorato 2 maggio 2022





SURVEY METHODOLOGY

Every two years Politecnico di Milano carries out an **employment survey** on **Ph.D graduates respectively one and two years after degree completion**, in order to verify the effectiveness of their educational path in the world of work and to address the right professional guidance purposes.

The present survey was conducted between January and February 2022 through mixed methodology (**CAWI**: online and **CATI**: phone). **The Ph.Ds were asked to answer a multiple-choice survey of about 20 questions.**



Employment Survey on Ph.D graduates 1-2 years after degree completion



✉ **CAWI**: online
☎ **CATI**: by phone



20 QUESTION SURVEY

ITALIAN

SAMPLE: PHD CLASS OF 2019/2020

INTERNATIONAL

386

Obtained their Ph.D in the two-year period

161

293

Answered the survey

96

76%

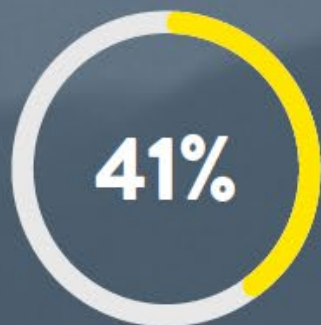
Response rate

60%

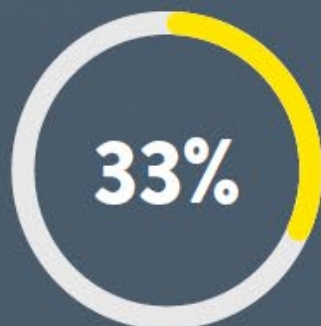


95% EMPLOYED*

Almost all Ph.Ds interviewed were employed within 1-2 years from degree completion (95%) and about 40% were already working before the end of the Ph.D program. The main job market is Italy, while 37% chose to go abroad. Ph.Ds find their first employment in both the university sector and the private sector (50% against 44%). Over 90% of the sample hold an employment contract.



41% WERE EMPLOYED BEFORE DEGREE COMPLETION



33% FOUND A JOB IN LESS THAN ONE MONTH



93% ARE EMPLOYEES

ITALY 63%



37% ABROAD

They go abroad:

For a better salary **49%**

For a lack of opportunities at home **41%**

For better career prospects **41%**

IN WHICH SECTOR?



PUBLIC AUTHORITIES AND NON PROFIT ORGANIZATIONS **6%**

● UNIVERSITIES AND RESEARCH INSTITUTES

● PRIVATE SECTOR

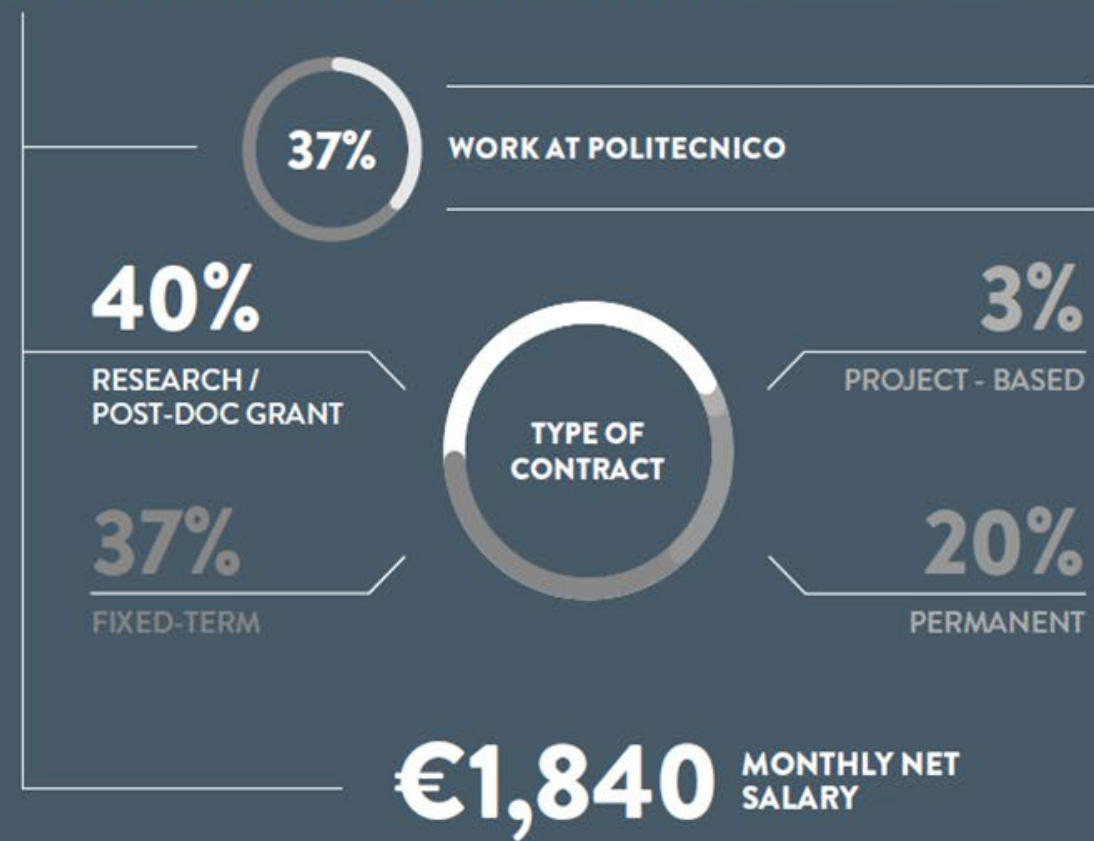
* PERCENTAGE CALCULATED ON THE ACTIVE POPULATION (EMPLOYED + UNEMPLOYED IN SEARCH OF A NEW OR FIRST EMPLOYMENT)



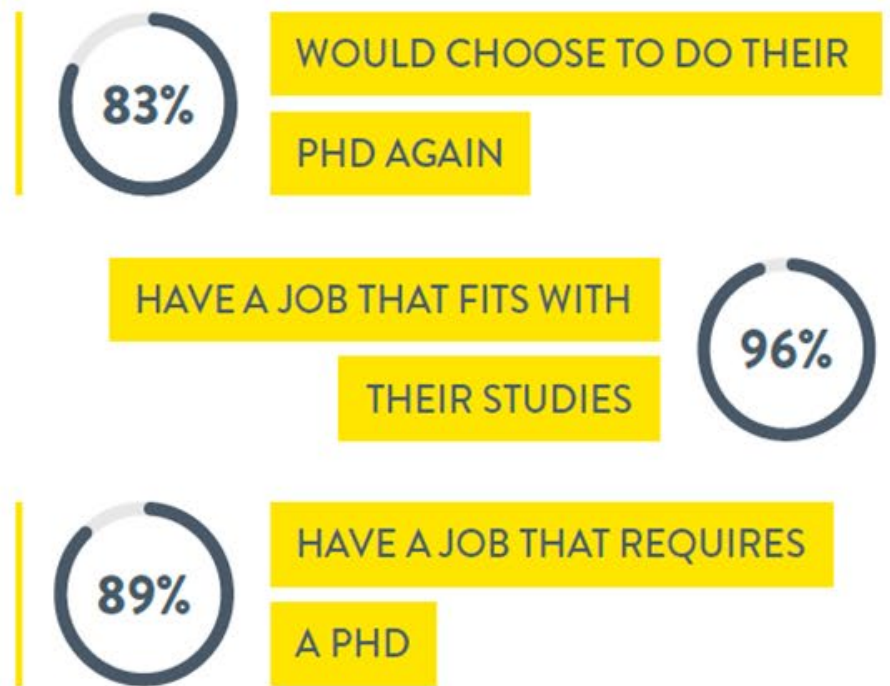
PHD EMPLOYMENT: 1-2 YEARS AFTER



○ UNIVERSITIES AND RESEARCH INSTITUTES ● PRIVATE SECTOR ● P.A.



Politecnico di Milano is the main employer for those who work in universities and research institutes (37%). Contracts in the university sector are less stable than the private sector, **salaries reach 1,800 net euros per month**. Satisfaction is very high: **83% of Ph.Ds employed in universities and research institutes would enrol in the program again; 96% say to have a job that fits with the studies; 89% say that their degree is necessary to perform their job.**



PHD EMPLOYMENT: 1-2 YEARS AFTER

50%

44%

6%

● UNIVERSITIES AND RESEARCH INSTITUTES ● PRIVATE SECTOR ● P.A.

COMPANY SIZE
* (N° EMPLOYEES)

46%

(1-250*)

13%

(251-1.000*)

41%

(+ 1.000*)

TYPE OF CONTRACT

94%

PERMANENT

6%

FIXED-TERM
APPRENTICESHIP
PROJECT - BASED

€2,114 MONTHLY NET SALARY

The private sector offers stable contracts (94% hired **permanently**) and good salaries to new Ph.Ds (about monthly 270 euros more than in Research and University sector). They tend to **find employment** either in **small companies** (46%) or **big multinationals** (41%). Good results in term of satisfaction: **88%** have a job that fits with the studies and over 50% say that their degree a Ph.D is necessary to perform their job.



WOULD CHOOSE TO DO THEIR
PHD AGAIN

HAVE A JOB THAT FITS WITH
THEIR STUDIES



HAVE A JOB THAT REQUIRES
A PHD



50% UNIVERSITIES AND RESEARCH INSTITUTES

TYPE OF CONTRACT **40%** RESEARCH / POST-DOC GRANT **37%** FIXED - TERM

MONTHLY NET SALARY

€1,840

WOULD CHOOSE TO DO THEIR PHD AGAIN

83%

HAVE A JOB THAT FITS WITH THEIR STUDIES

96%

HAVE A JOB THAT REQUIRES A PHD

89%

44% PRIVATE SECTOR

94% PERMANENT TYPE OF CONTRACT

MONTHLY NET SALARY

€2,114

WOULD CHOOSE TO DO THEIR PHD AGAIN

79%

HAVE A JOB THAT FITS WITH THEIR STUDIES

88%

HAVE A JOB THAT REQUIRES A PHD

53%



FOCUS BY AREA

ARCHITECTURE

DESIGN

ENGINEERING



87% EMPLOYMENT

65%

23%

12%

- UNIVERSITIES AND RESEARCH INSTITUTES
- PRIVATE SECTOR
- PUBLIC AUTHORITIES AND NON PROFIT ORGANIZATIONS



50%
RESEARCH /
POST-DOC GRANT

21%
FIXED - TERM

71%
ITALY

29%
ABROAD



€1,582 MONTHLY NET SALARY

SAMPLE FOR ARCHITECTURE: 62 people interviewed, of which 52 employed.

Most Ph.Ds in the Architectural Area (65%) work in **Universities or Research Bodies** (of which 43% at the Politecnico) in Italy (71%). Their contracts are not as stable and salaries low. They are generally satisfied with their path: **77% would enrol in the program again**; **96% have a job that fits with the studies** and **86%** declare that a **Ph.D is necessary** for their work.



WOULD CHOOSE TO DO THEIR PHD AGAIN

HAVE A JOB THAT FITS WITH THEIR STUDIES



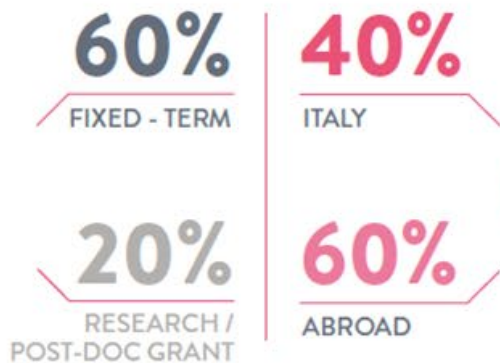
HAVE A JOB THAT REQUIRES A PHD



95% EMPLOYMENT



● UNIVERSITIES AND RESEARCH INSTITUTES | ● PRIVATE SECTOR | ● PUBLIC AUTHORITIES AND NON PROFIT ORGANIZATIONS



€1,530 MONTHLY NET SALARY

SAMPLE FOR DESIGN: 23 people interviewed, of which 20 employed.

The sample of people who obtained a Ph.D in Design is quite small. **Over 50%** works in **Universities or Research Bodies** with not stable contract (**60% fixed term**) and salaries lower than the average of the total population interviewed in the present survey. Satisfaction is very high, **all interviewed declare to have a job that fits with the studies.**



WOULD CHOOSE TO DO THEIR PHD AGAIN

HAVE A JOB THAT FITS WITH THEIR STUDIES

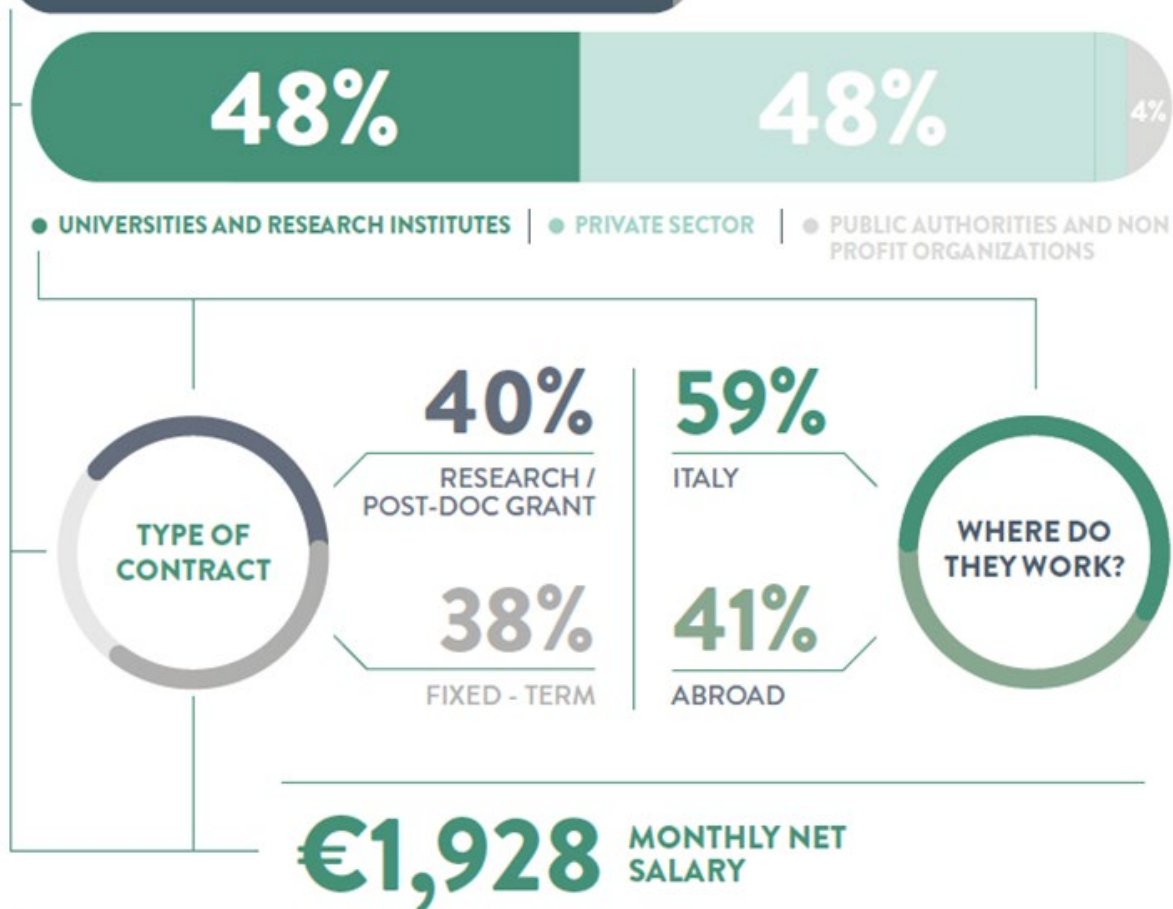


HAVE A JOB THAT REQUIRES A PHD



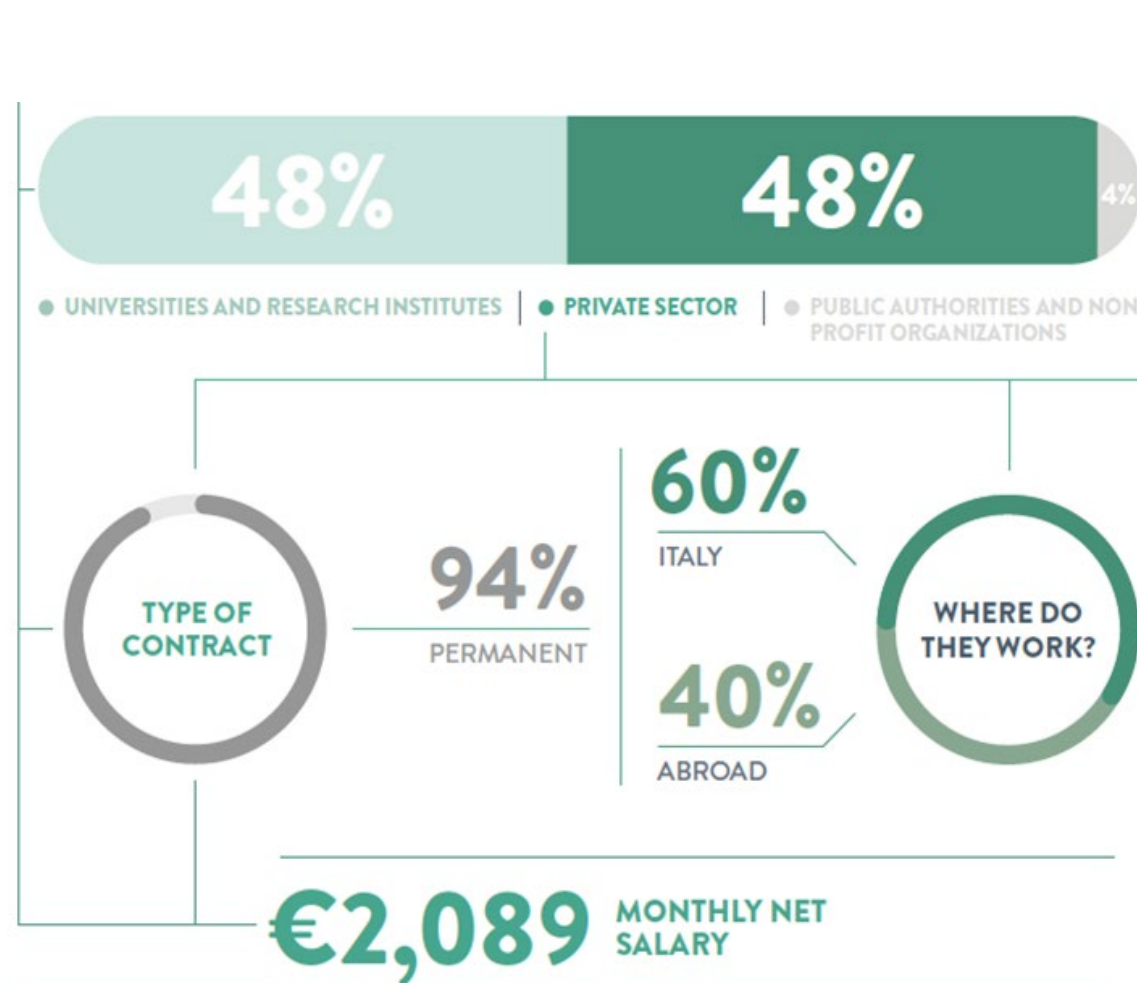
ENGINEERING: UNIVERSITY AND RESEARCH SECTOR

97% EMPLOYMENT



SAMPLE FOR ENGINEERING: 304 people interviewed, of which 289 employed. 131 are employed in the university and research sector.

ENGINEERING: PRIVATE SECTOR



SAMPLE FOR ENGINEERING: 304 people interviewed, of which 289 employed. 131 are employed in the private sector.



ENGINEERING: UNIVERSITY AND RESEARCH SECTOR



ENGINEERING: PRIVATE SECTOR





GRAZIE

