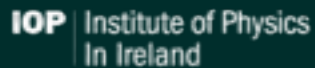


Can you be it if you do not see it? Women in Physics

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Introduction

- Background: International Union of Pure and Applied Physics & the Institute of Physics
- Economic Background
- Where are we now?
- What is the future and how do we highlight successful role models?
- Who will Mind the Gap and how do we fill it ?

Physics in the Irish Economy



160,000

people employed in physics-based industries in Ireland

8.6%

of the total workforce



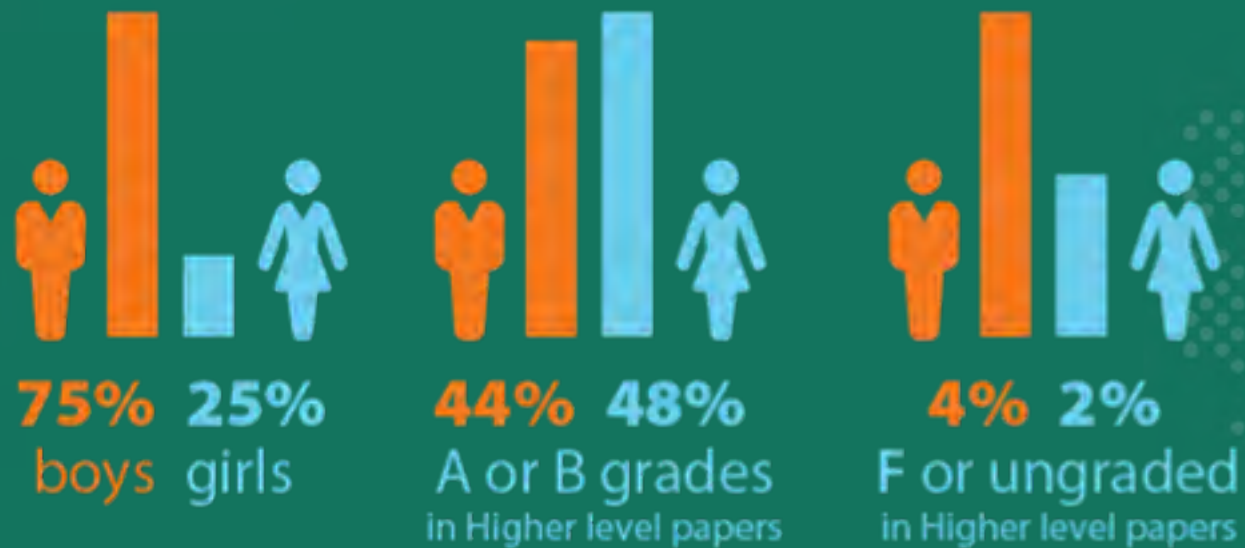
€48.7 bn

turnover generated by physics-based industries

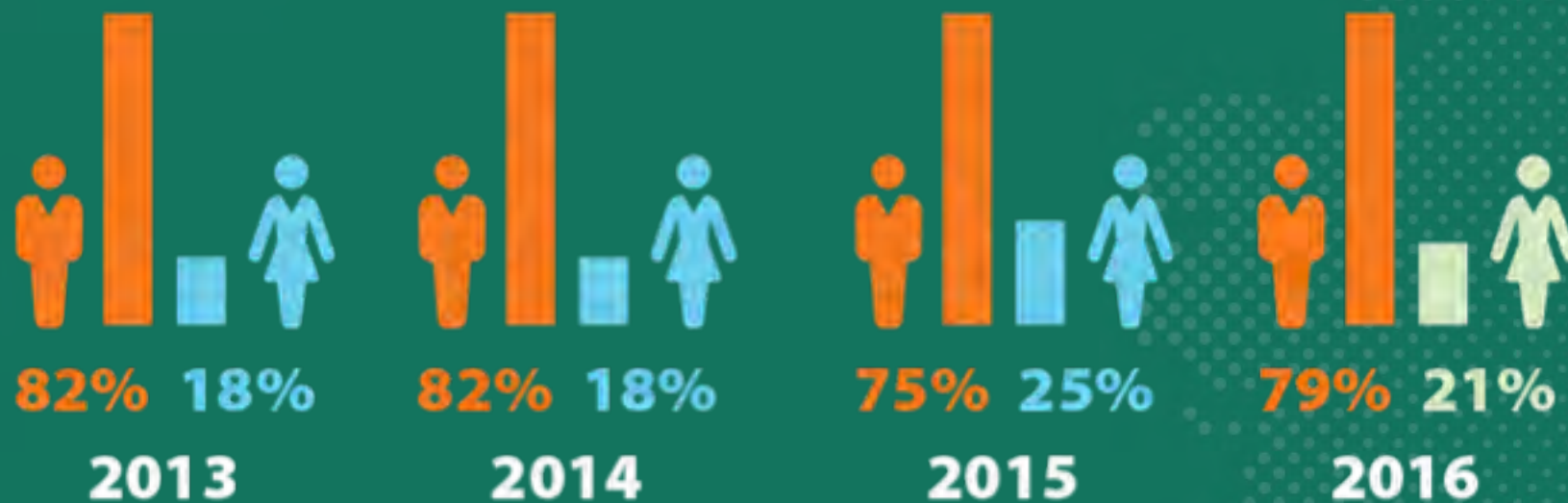
14%

of overall turnover in Ireland's business economy

Physics at Leaving Certificate

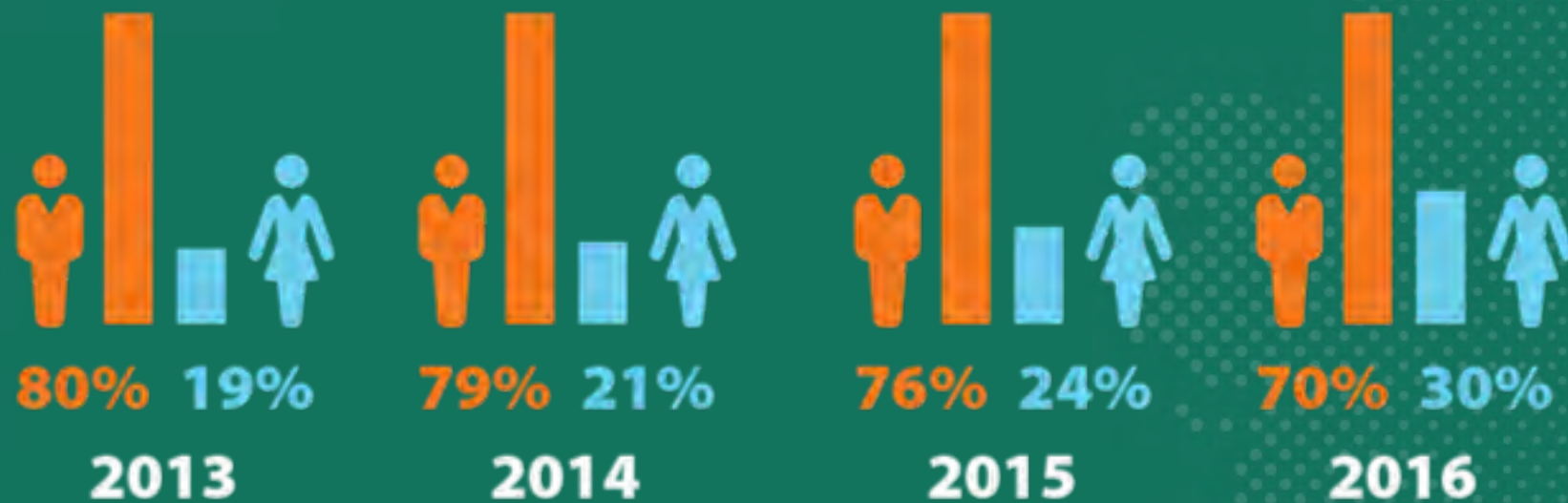


Undergraduate participation



*final yr only

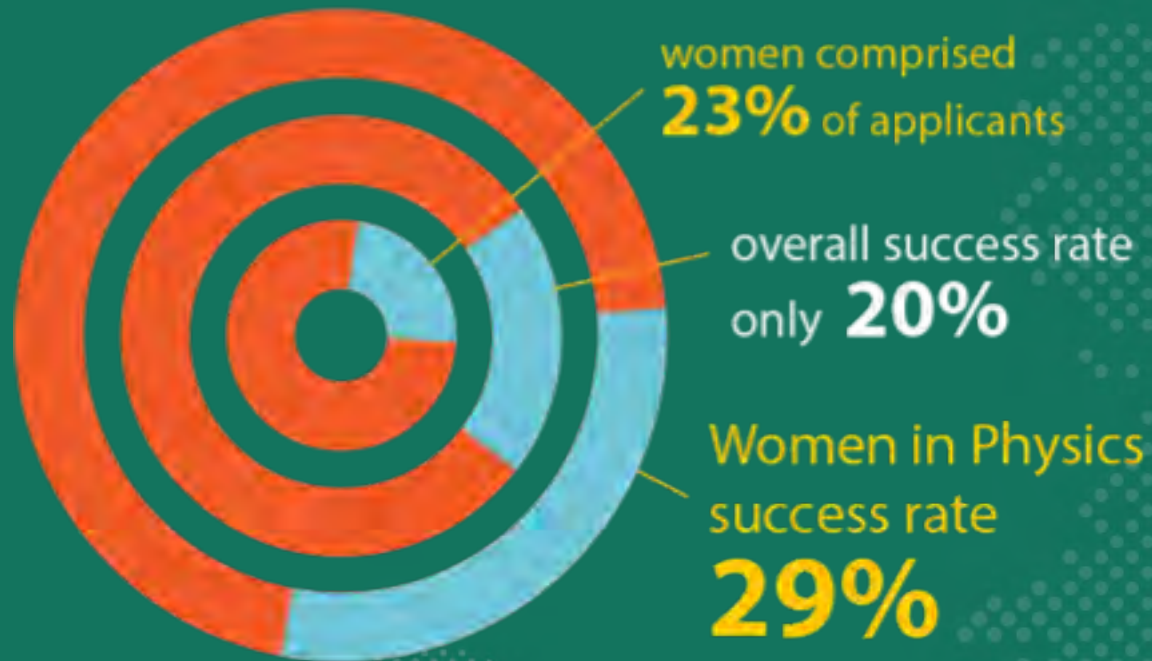
Postgraduate numbers



Research Grants

Grant Applications

to the Irish Research Council - 2013-2016



Girls and young women



86%

of girls

believe the subjects they choose, or chose, at school are likely to impact the career they have in later life



77%

of young women



61%

of girls

believe they could earn a higher salary in the science and technology sector compared to other sectors



70%

of young women

Why study STEM?

According to Irish school girls

59%



Providing a wider range of life skills

59%



Enjoyment of course content

69%



Job enjoyment

59%



Chance to invent new products / services

59%



The chance to cure diseases

**Seachain an bhearna idir
an traein agus an t-ardán**



Iarnród Éireann
Irish Rail © FRED DEAN

**Mind the gap between
train and platform**

Academia and Role Models

In Higher Education women at lecturer level make up...



52% of entry level academic grade positions

but only 19% of senior academic (professor) positions

Out of 118,000 people working in STEM in Ireland in 2013



only 25% were female

Schools

**Lack of 2nd level
teachers qualified
in Physics...**



16.6%
of junior
cert
teachers

6.6%
of leaving
cert
teachers

Parents



56%

of students identified
parents as the
key influencers
in Leaving Certificate
subject choices

68% of parents
are not well informed on
STEM career opportunities

STEM EDUCATION



.....
The Future....



Hopes for the future...

IOP | Institute of Physics
In Ireland



**Joint initiative to
enhance engagement
at second level**



IOP | Institute of Physics
In Ireland

Project Juno



**Launched in Ireland,
and required for
Grant applications from 2019**



Thank you

Questions?

