



*The*  
Insurance  
Institute



# Industry & Higher Education

## A case study in joint vision

# AGENDA

- Background – the current apprenticeship landscape
- Concept & design – the evolution of a modern day apprenticeship
- The Insurance Practitioner Programme – a modern apprenticeship for a diverse industry
- Lessons learnt & recommendations – overcoming obstacles and where next
- Questions

A welder in a factory setting, wearing protective gear and welding a metal piece, with a large plume of sparks.

BACKGROUND

# Ap•pren•tice•ship

[*uh*-**pre**n-tis-ship] - ***noun***

a programme of **structured education** and **training** which **formally combines** and **alternates learning** in the **workplace with learning in an educational setting**.

# The existing provision versus the new provision.

Existing Provision	New Provision
Craft based	Financial services
4 year duration	3 year duration
Level 6 on NFQ	Level 8 on NFQ



# CONCEPT & DESIGN

# Who is involved

**SOLAS**

An tSeirbhís Oideachais Leanúnaigh agus Scileanna  
Further Education and Training Authority

**Apprenticeship**  
Real-life Learning



**QQI**

Quality and Qualifications Ireland  
Dearbhú Cáilíochta agus Cáilíochtaí Éireann



**etbi**

Education & Training  
Boards Ireland  
Boird Oideachais &  
Oiliúna Éireann



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**HEA**

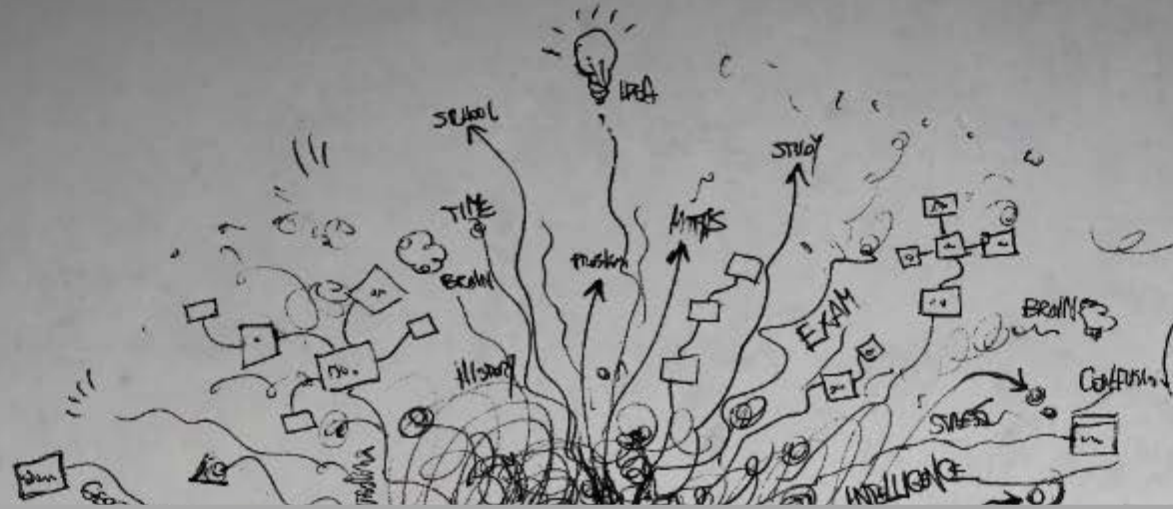
HIGHER EDUCATION AUTHORITY  
AN tÚDARÁS um ARD-OIDEACHAS



**IT Sligo**  
An Institiúid Teicneolaíochta, Sligeach



AN ROINN | DEPARTMENT OF  
OIDEACHAIS | EDUCATION  
AGUS SCILEANNA | AND SKILLS

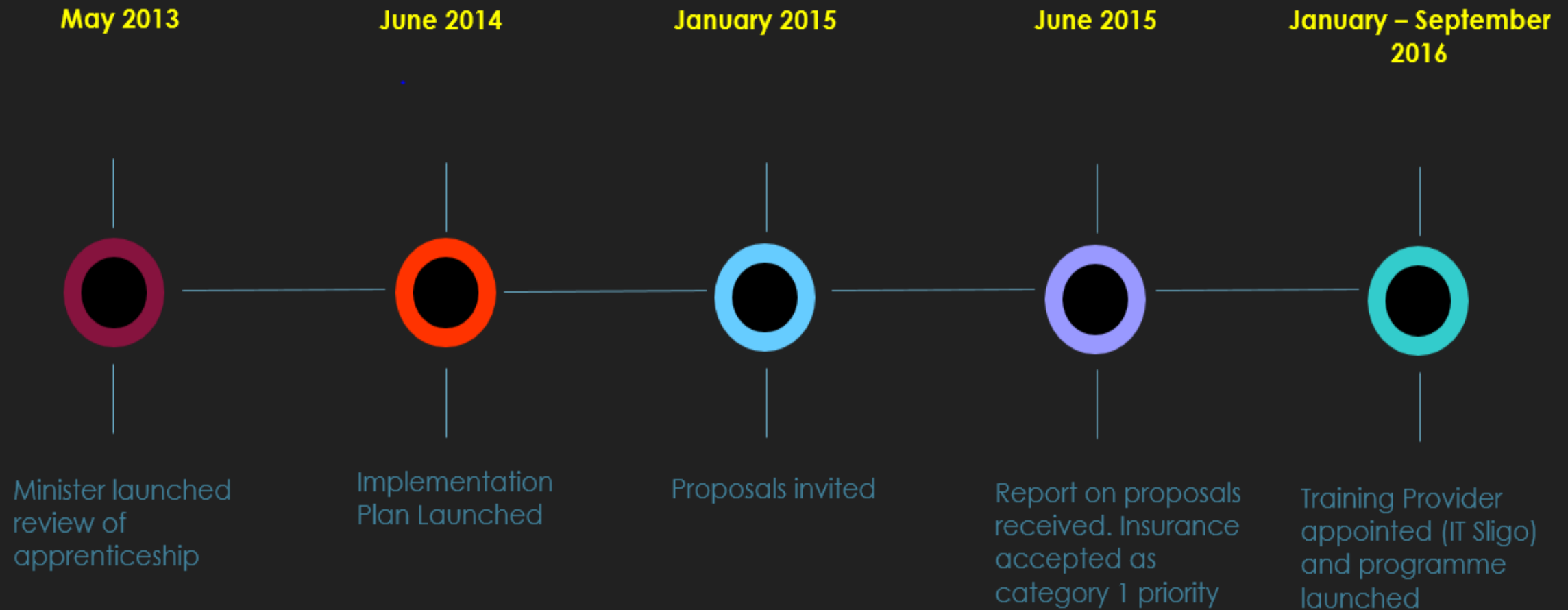


# TIMESCALES AND CHALLENGES





# Timescales

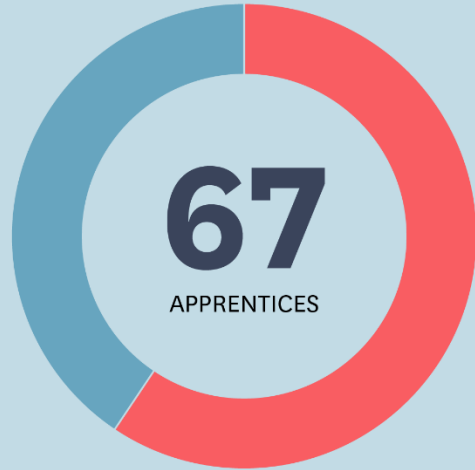


# EARN. LEARN. EXPERIENCE. Insurance Practitioner Apprenticeship 2016 – a snapshot



IRELAND'S  
**1ST DEGREE**  
APPRENTICESHIP  
PROGRAMME

27  
IN  
DUBLIN



40  
SPREAD  
ACROSS  
IRELAND

OVER  
**800**  
REGISTERED INTEREST

**39**%  
MATURE APPLICANTS  
AND CAREER CHANGERS



HIGHEST FEMALE  
COUNT IN IRISH  
APPRENTICESHIP HISTORY

YOUNGEST  
APPRENTICE



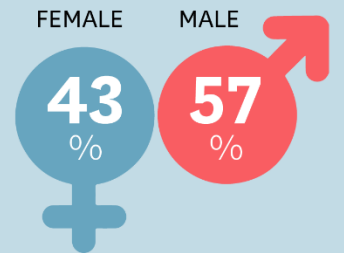
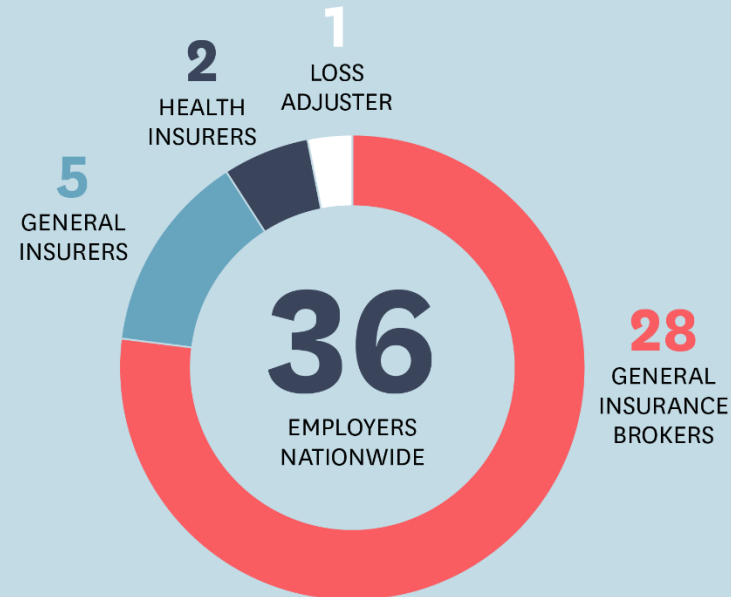
18



34

OLDEST  
APPRENTICE

**61**%  
SCHOOL LEAVERS  
AND STUDENTS



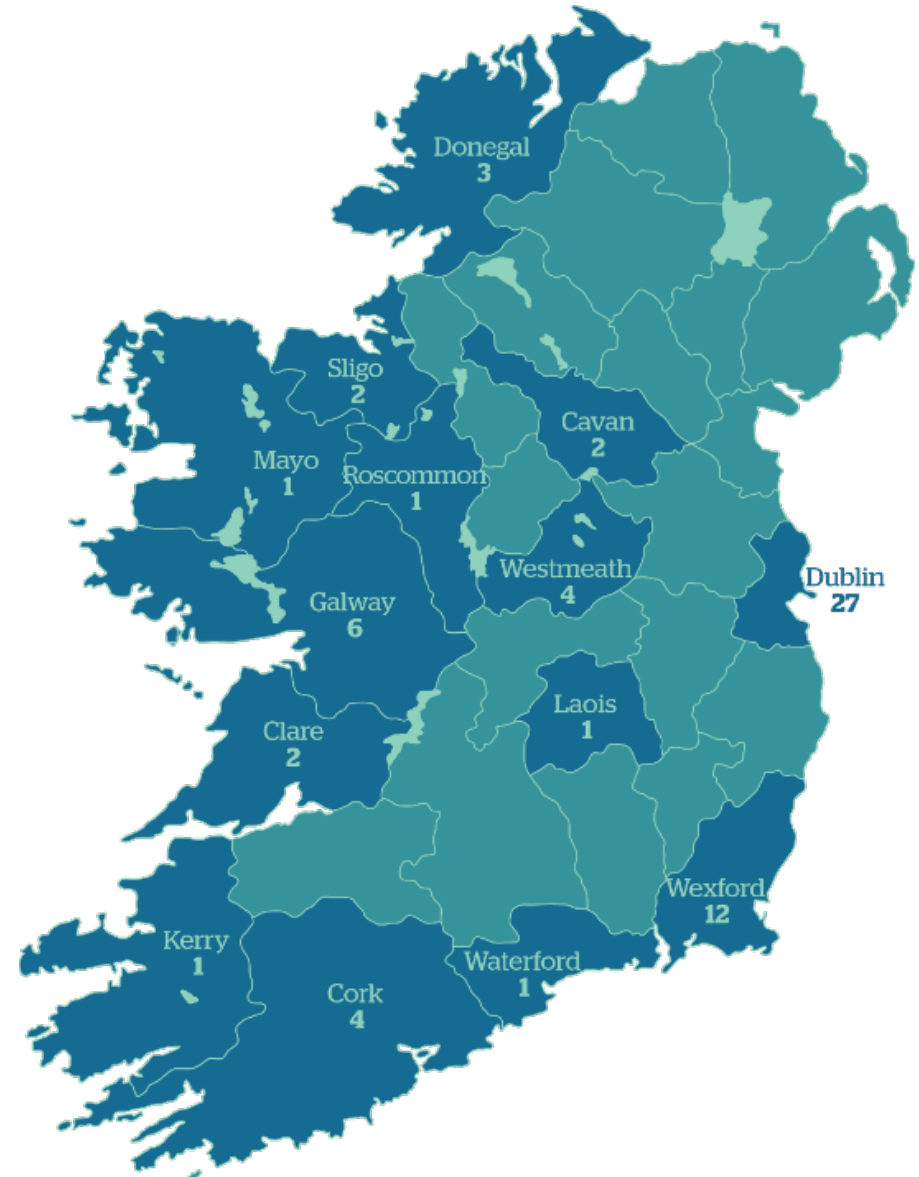
Brought to you by



Learn more. Visit [iii.ie/apprenticeships](http://iii.ie/apprenticeships) to sign up for the 2017 programme.

# Where are they located?

- Donegal
- Sligo
- Mayo
- Roscommon
- Cavan
- Galway
- Clare
- Westmeath
- Dublin
- Laois
- Kerry
- Cork
- Waterford
- Wexford



$$D = \frac{m}{d \cos \theta}$$

dispersion

$$R = Nm^2$$

resolving power

$$\frac{1}{p} + \frac{1}{i} = \frac{1}{f}$$

spherical mirror

$$f = \frac{\text{radius of curvature}}{2}$$

$$|m| = \frac{h'}{h} \quad m = -\frac{i}{p}$$

pos m = same orientation

S is pos if on same side as incoming light

Img-S' is pos if on same side of outgoing light

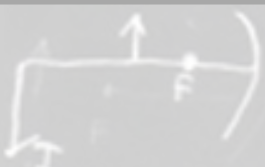
F - pos if on same side of outgoing light

## LESSONS & RECOMMENDATIONS

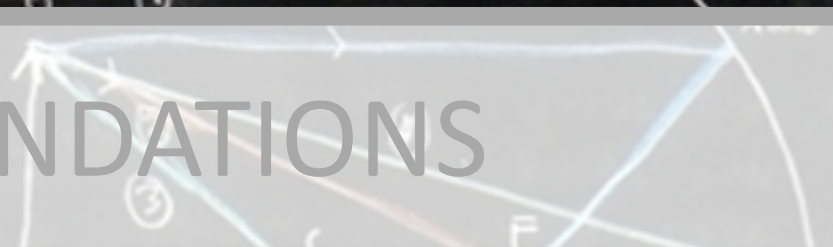
concave  
real

virtual

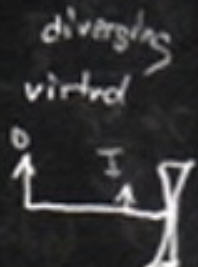
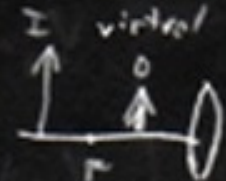
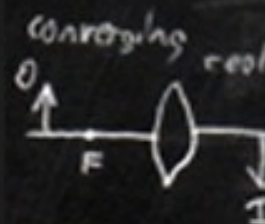
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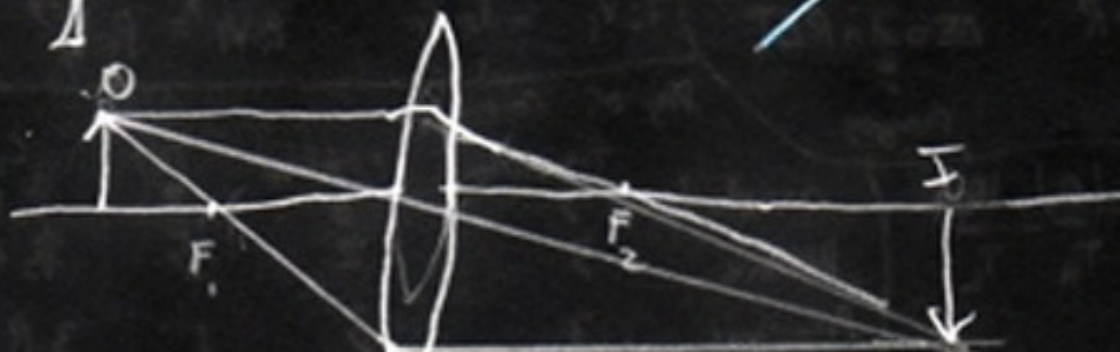
micro



$$\frac{1}{f} = (n-1) \left( \frac{1}{r_1} + \frac{1}{r_2} \right)$$



$$m_{\theta} = \frac{25 \text{ cm}}{f}$$



A black and white photograph of a person, likely a woman, with their right hand raised high in the air. The person is wearing a dark, long-sleeved top. The background is blurred, showing what appears to be an indoor setting with other people and lights. A semi-transparent rectangular box is overlaid horizontally across the middle of the image, containing the word "QUESTIONS" in a bold, sans-serif font.

QUESTIONS