

Monitoring Ireland's Skills Supply

July 2015

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Skills and Labour Market Research Unit



To examine trends in
education/training outputs and
labour market status by
field of education



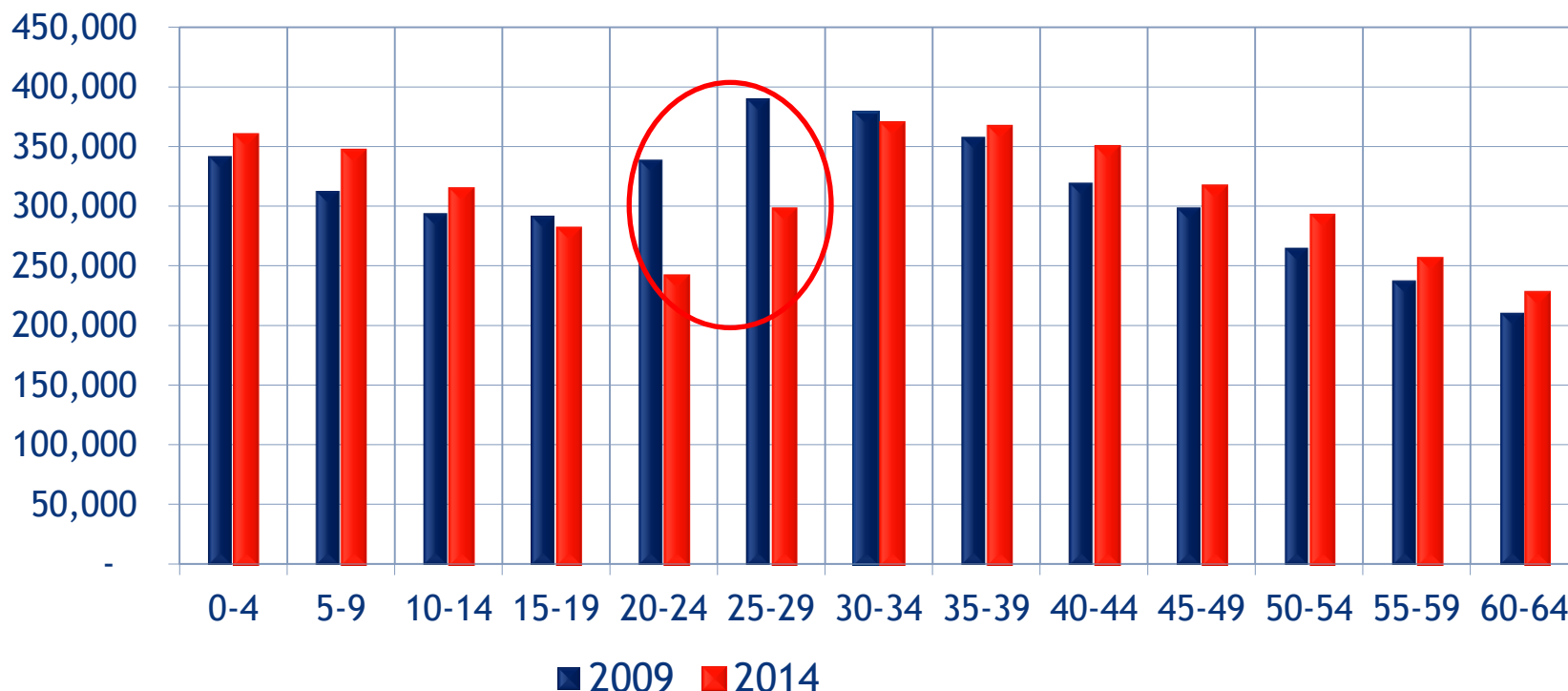
Skills Profile of the Population by Level, Field and Employment Status

CSO (QNHS)

Population change



Population by age group (0-64), quarter 4 2009 and quarter 4 2014



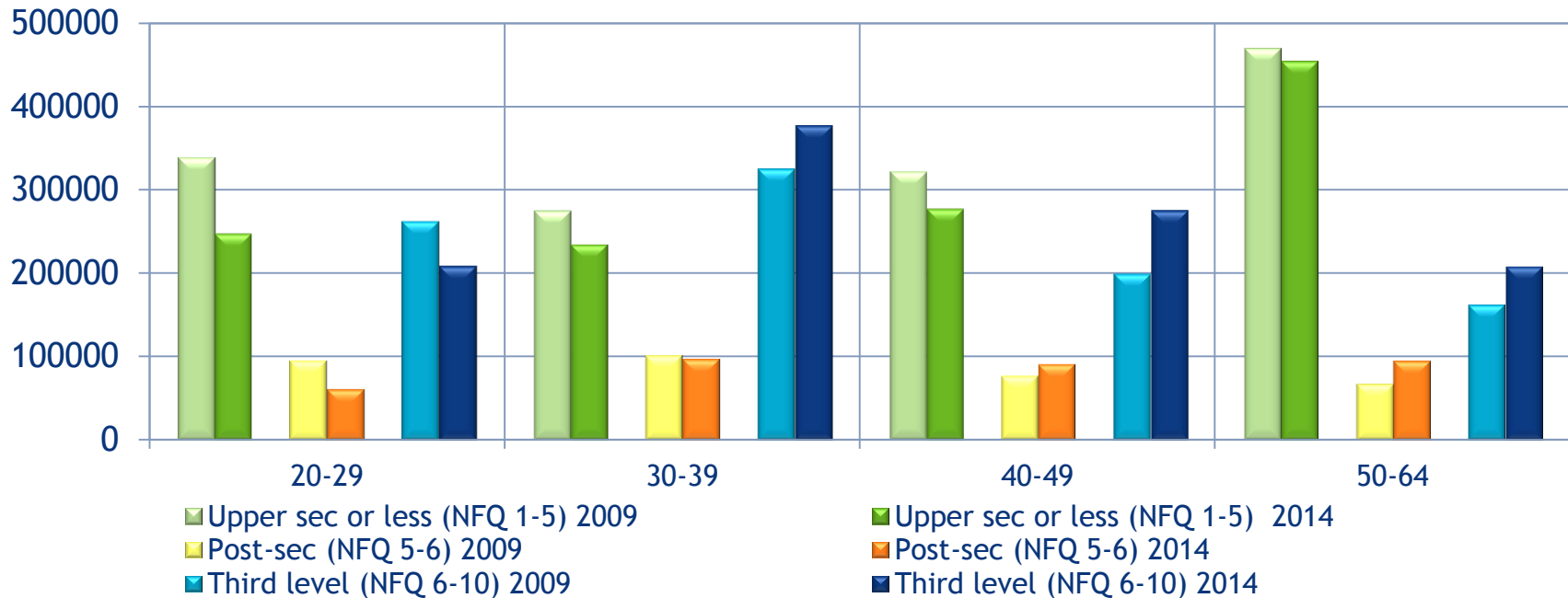
Source: SLMRU (SOLAS) analysis of CSO data

Drop in the number of 20-29 year olds in the population (-26%, or 200,000 fewer persons); due to a fall in the number of births in the 1990s, although outward migration is also a factor

Shift in education profile towards higher educational attainment



Highest level of education attained by age group (20-64 years); q4 2009 & q4 2014



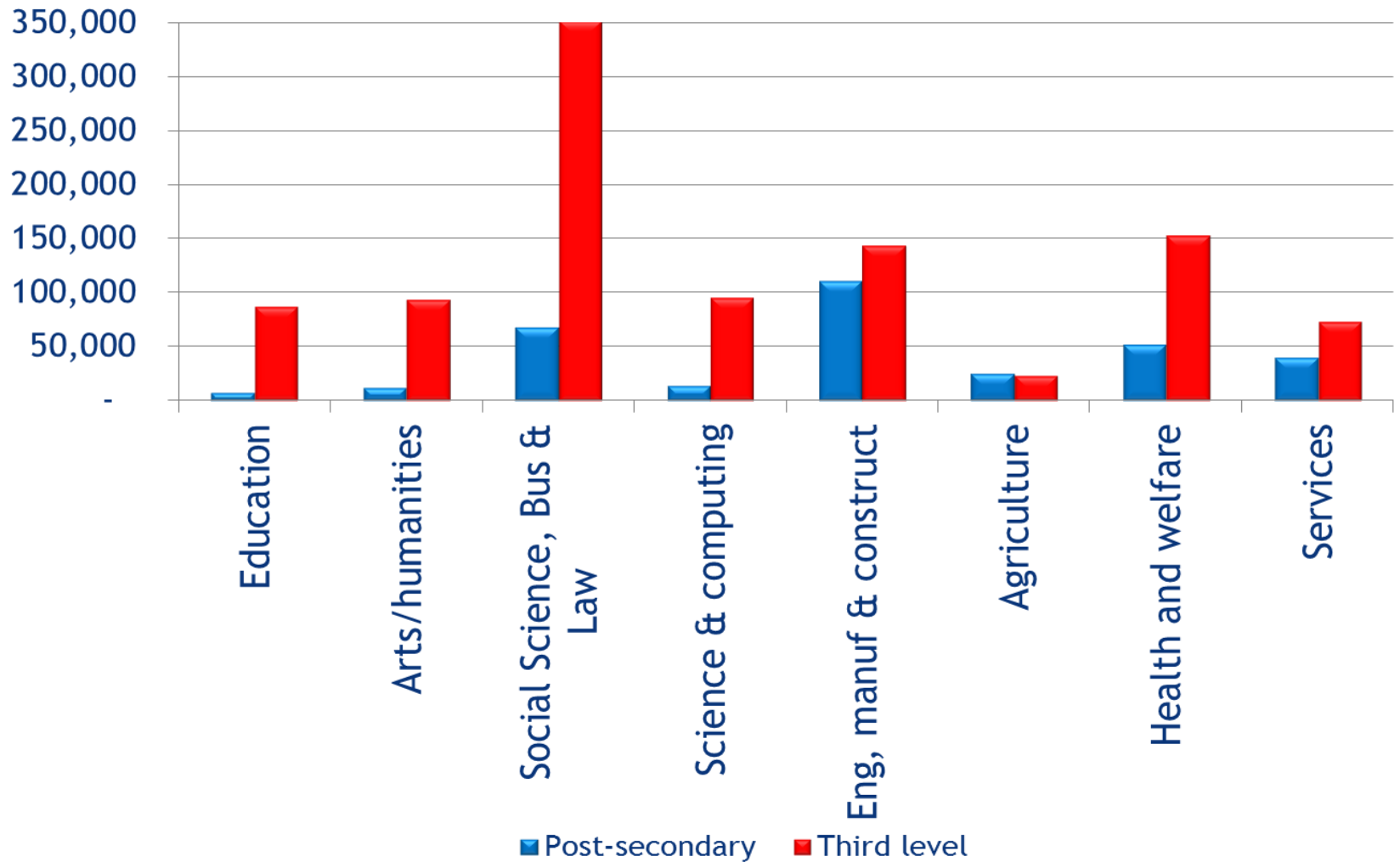
Source: SLMRU (SOLAS) analysis of CSO data

- There were declines in the numbers with upper secondary education or less and increases in numbers with third level qualifications
- The younger age cohorts are more highly qualified



Labour market data by field of education reflects the field of a person's **highest level of education** and, as such, may mask a person's primary qualification

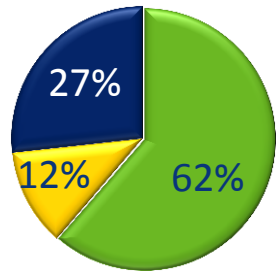
Field of highest level of education (post-secondary and third level) (20-64 year olds), quarter 4 2014



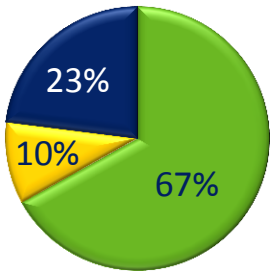
Employment status (Post-secondary)



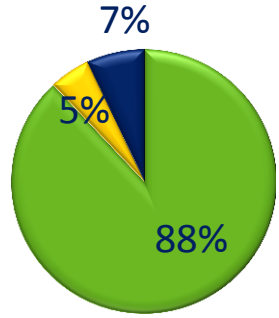
Services



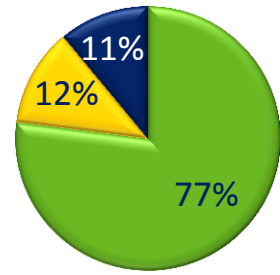
Health/welfare



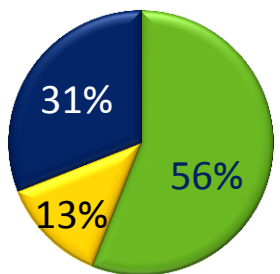
Agriculture



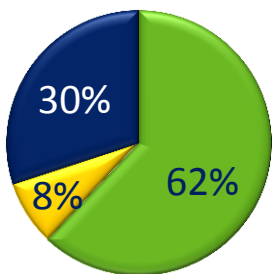
Eng/construct



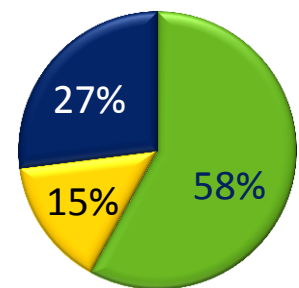
Science/computing



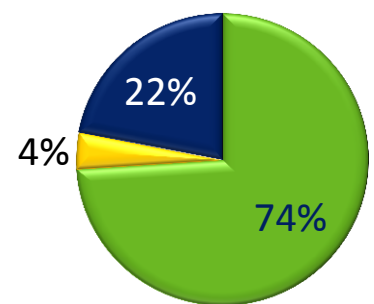
SSBL



Humanities/arts



Education

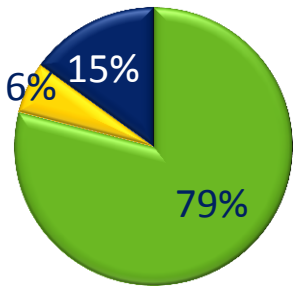


■ In employment
 ■ Unemployed
 ■ Not active

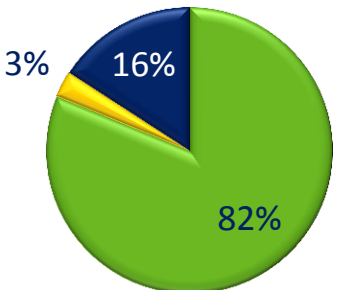
Employment status (Third level)



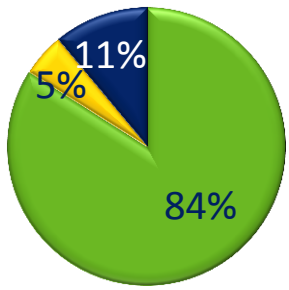
Services



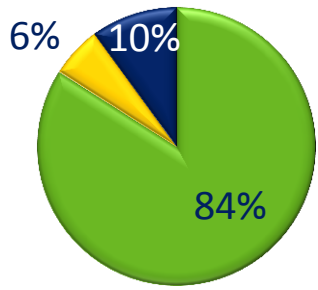
Health/welfare



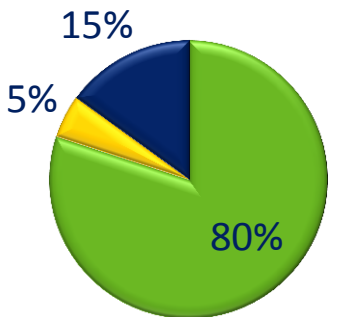
Agriculture



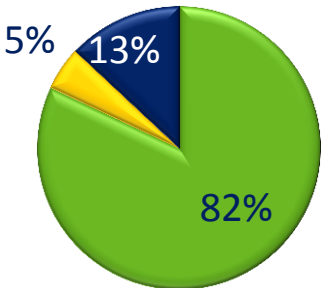
Eng, manu



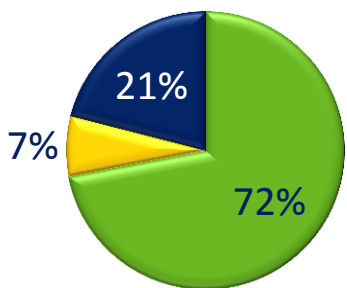
Science/computing



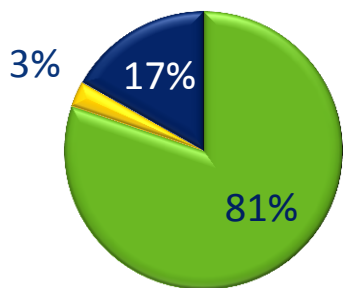
SSBL



Humanities/arts



Education

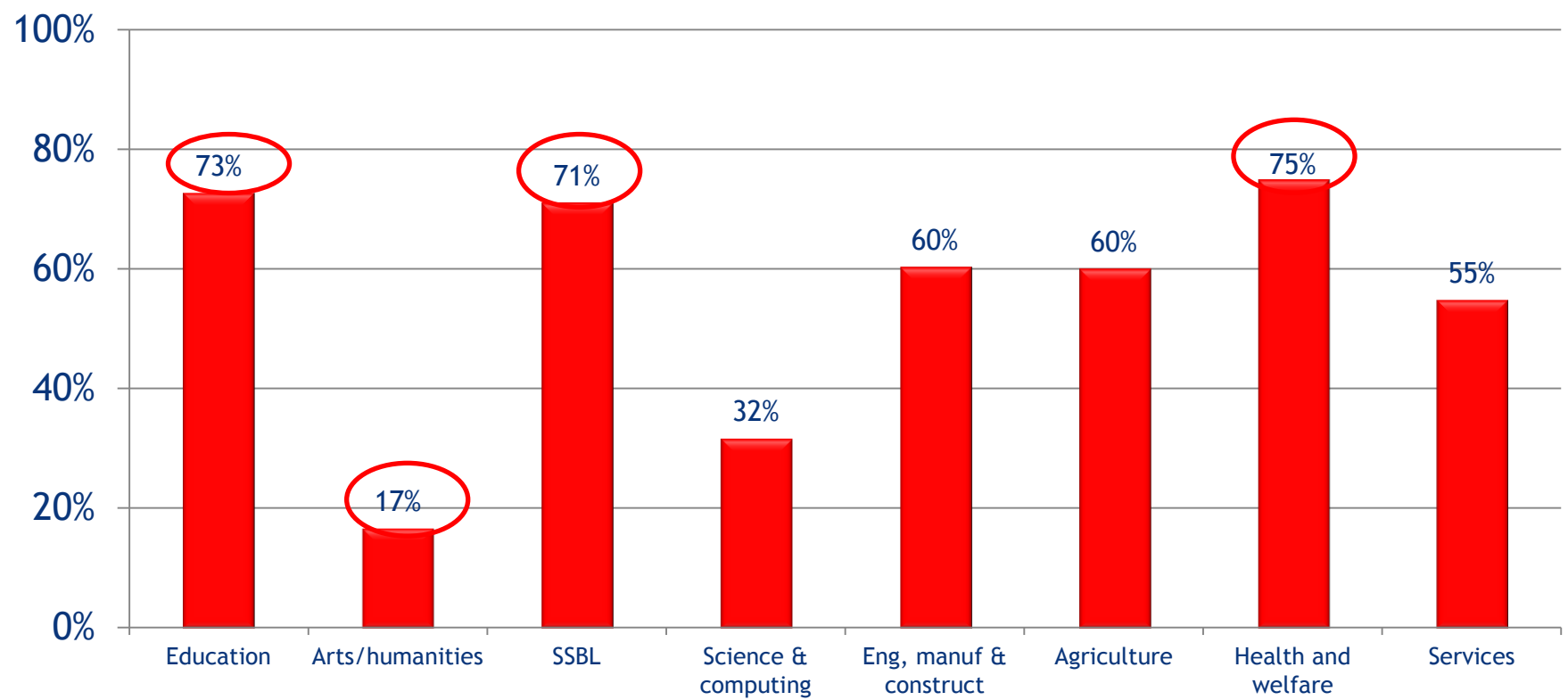


■ In employment
 ■ Unemployed
 ■ Not active

Employed in a related field



Employed in a field related to the qualification (post-secondary/third level)



Source: SLMRU (SOLAS) Analysis of CSO data



Awards Data

(QQI, HEA, Eurostat)

Summary of further and higher education and training awards by field, 2013/2014



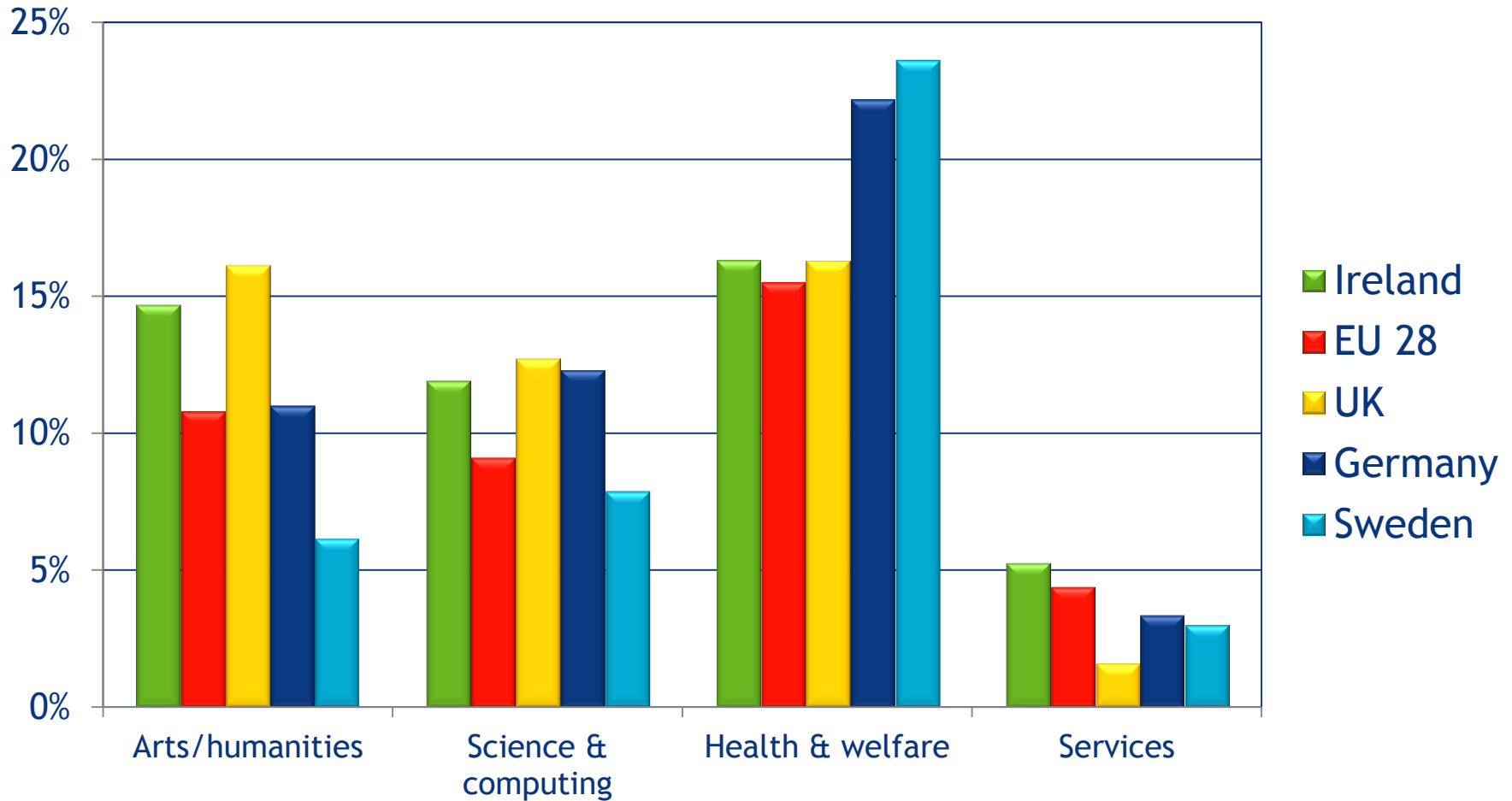
Field	NFQ 1-2	NFQ 3	NFQ 4	NFQ 5	NFQ 6	NFQ 7	NFQ 8	NFQ 9/10	Total
General	1,720	1,430	220	-	170	-	-	70	3,600
Education	-	-	-	-	120	80	1,910	3,140	5,250
Arts & Humanities	-	680	760	1,810	670	860	5,850	2,040	12,660
SSBL	-	460	670	4,570	2,550	2,240	8,810	6,500	25,800
Science & Computing	-	-	-	200	480	1,380	4,180	2,690	8,930
Engineer & Construction	-	30	-	380	2,210	2,080	3,220	1,030	8,950
Agri & Veterinary	-	-	200	1,720	440	350	520	100	3,310
Health & Welfare	-	-	40	7,130	2,400	1,480	5,350	3,020	19,420
Services	-	-	100	1,660	1,330	1,230	750	240	5,310
Total	1,720	2,600	1,990	17,470	10,370	9,700	30,590	18,830	93,230

Source: QQI (QQI-FE Major Awards); HEA



- Further Education and Training Output
 - 28,500 major awards made by QQI across levels 1-6; gains made between 2009 and 2012 were offset by declines in more recent years
- Higher Education Output
 - Increases occurred across most fields of learning, but particularly strong for
 - science & computing (+2,700 awards, mostly at levels 8-10)
 - social science, business and law (+2,500 awards mostly at levels 8 and above).

EU higher ed graduates, 2012



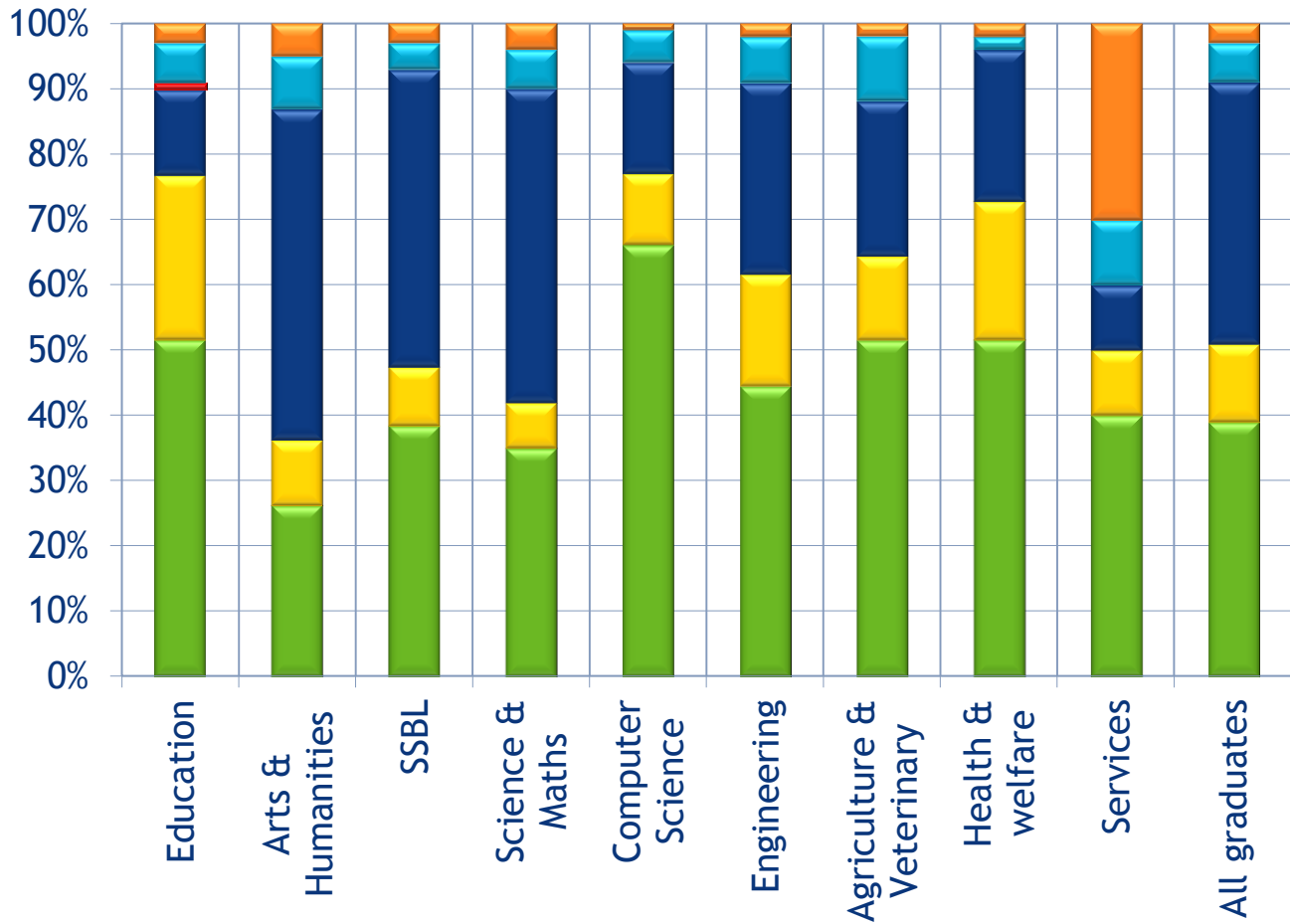
Source: Eurostat



Where do graduates go?

HEA First Destination Survey and CSO (QNHS)

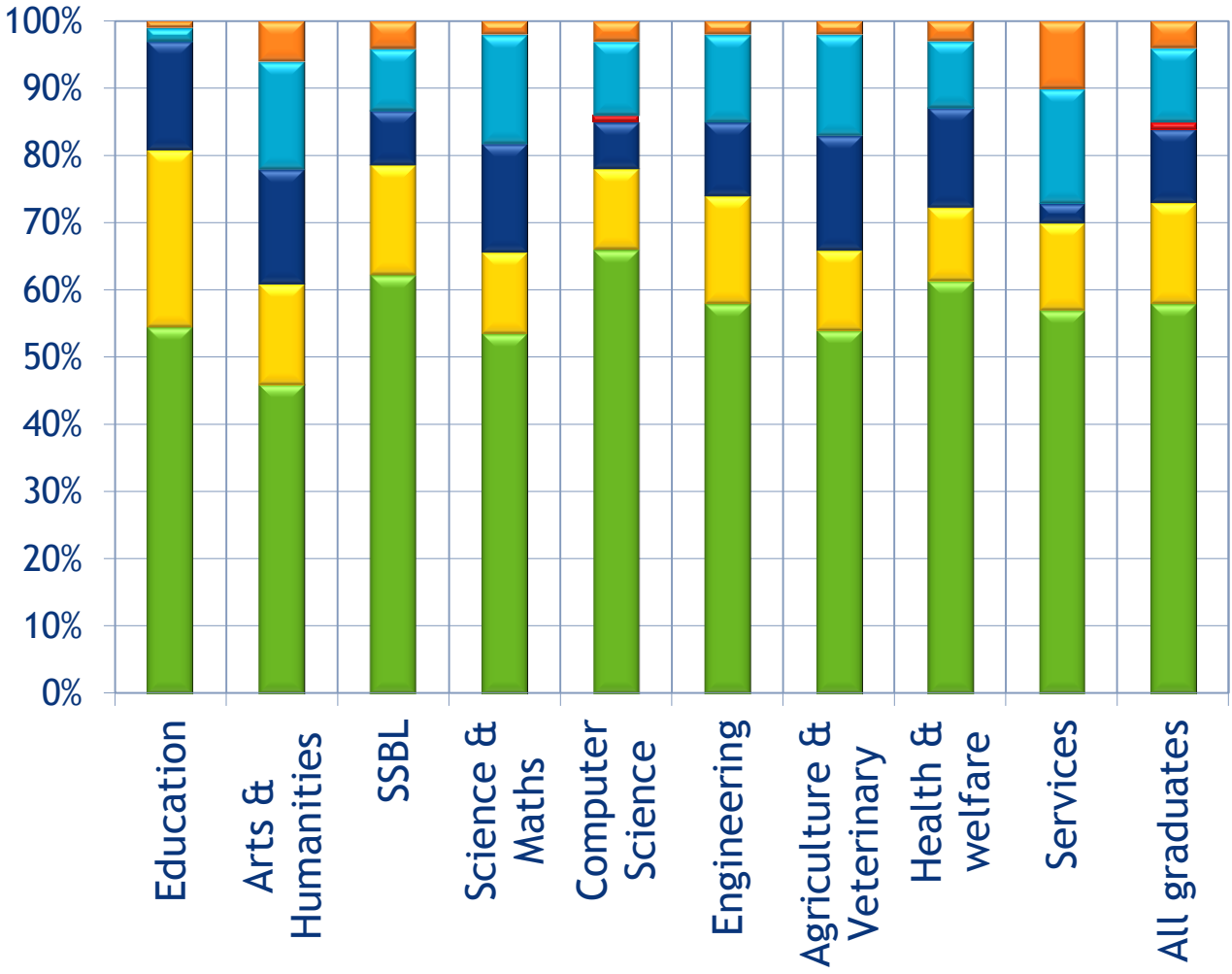
First Destination Survey-Level 8



- Unavailable for work or study
- Seeking employment
- Work experience/schemes
- Further Studies/Training
- In employment-Overseas
- In employment-Ireland

Source: HEA

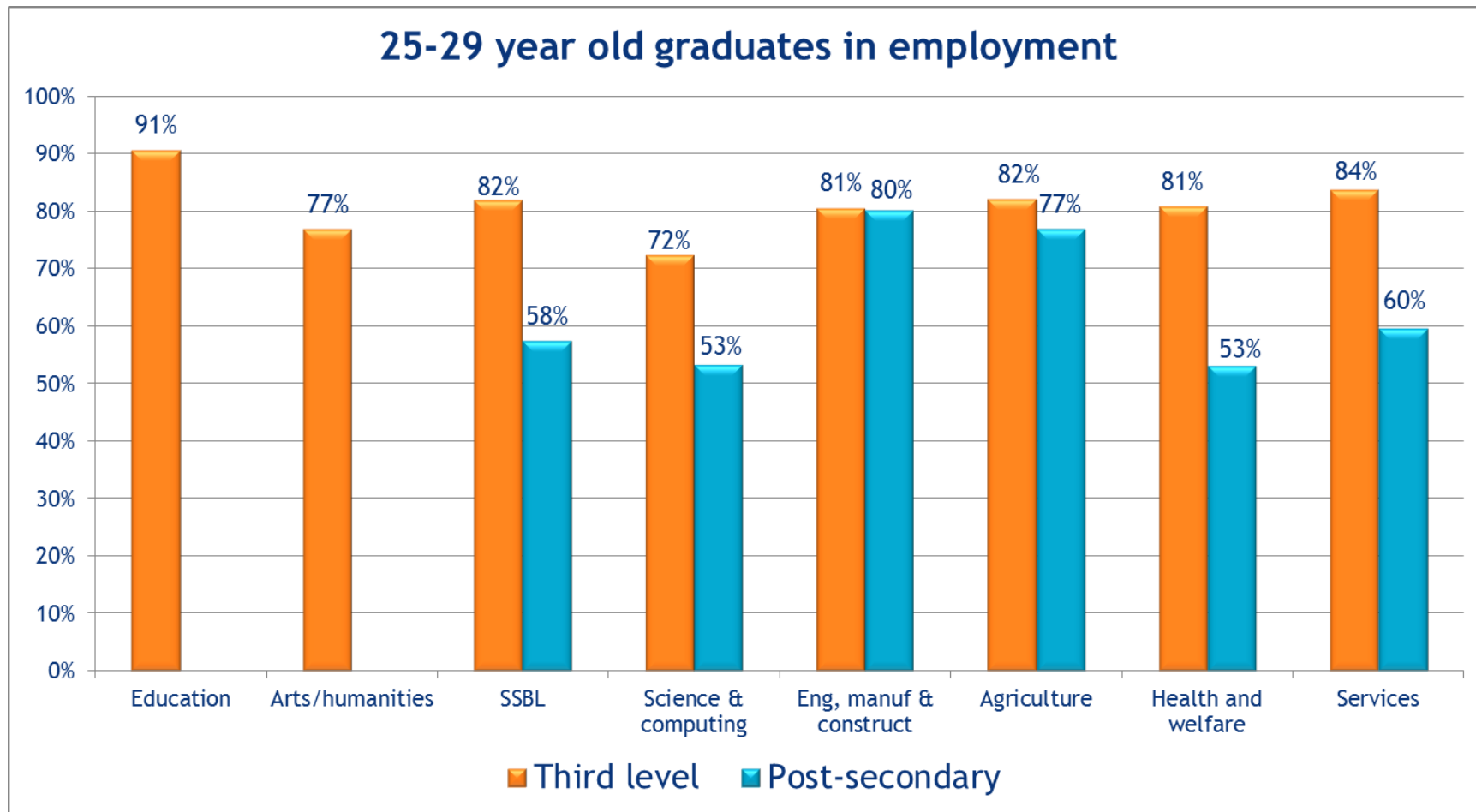
First Destination Survey-Level 9/10



- Unavailable for work or study
- Seeking employment
- Work experience/schemes
- Further Studies/Training
- In employment-Overseas
- In employment-Ireland

Source: HEA

Young graduates



Source: SLMRU (SOLAS) analysis of CSO data

* Numbers too small to report post-secondary info for education and arts/humanities



Population Skills Profile Example Engineering, Manufacturing & Construction

(QNHS)



Distribution of persons (aged 20-64) in the population with engineering, manufacturing & construction qualifications, Q4 2014

254,000

No of persons (aged 20-64) with engineering, manufacturing & construction qualifications

206,000
Employed

22,000
Unemployed

26,000
Not active

124,500
working in engineering/
construction
related fields

82,000
working in other
fields

8,000
Retired or unable
to work due to
sickness etc.

18,000
Otherwise inactive
(including home
duties, study, etc.)

Post-secondary
level = 63,500

Post-secondary
level = 21,000

Post-secondary
level = 13,500

Post-secondary
level = 5,000

Post-secondary
level = 7,000

Third level=
61,000

Third level=
61,000

Third level=
8,500

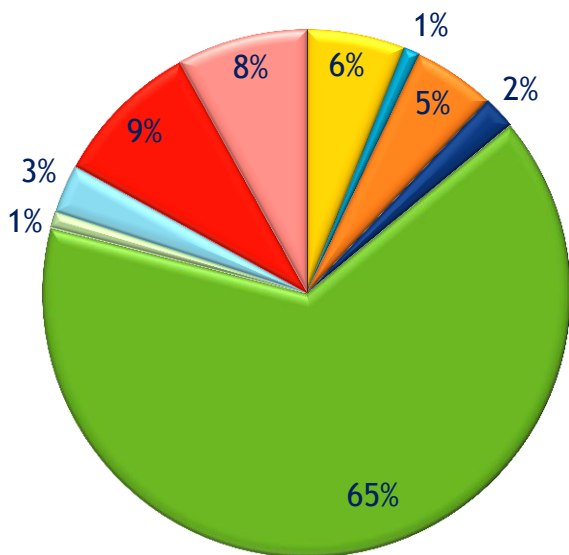
Third level=
3,000

Third level=
11,000

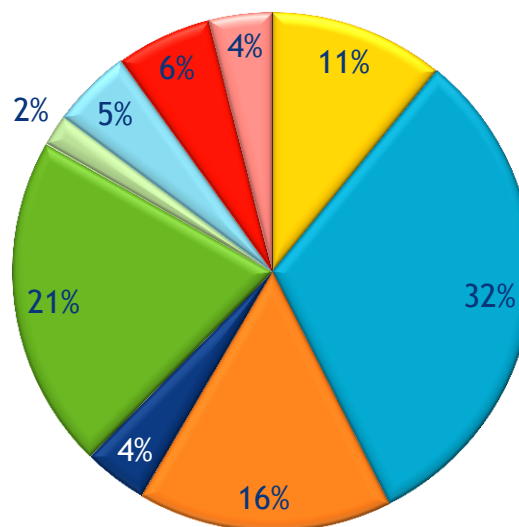
Engineering, manufacturing & construction graduates (aged 20-64) by education level & occupation, quarter 4 2014



Post secondary



Third level



- Managers
- Professional
- Assoc. prof.
- Admin
- Skilled trades
- Personal services
- Sales
- Operatives
- Elementary

Source: SLMRU (SOLAS) analysis of CSO data

Education profile of engineering related occupations with skill shortages, quarter 4 2014



Occupation	% Post-sec	% third level	% with eng quals
Professionals	2%	91%	63%
Electrical & electronic engineers			
Production, process, design & development engineers			
Quality control engineers; other regulatory professionals			
Engineering professionals n.e.c.			
Architectural technologists, construction project managers & surveyors	13%	73%	54%
Associate Professional			
Electrical, electronic & engineering technicians			
Process & quality assurance technicians			
Skilled Trades	28%	23%	76%
Metal forming, welding & related trades			
Metal machining, fitting & instrument making trades			
Other construction trades	9%	11%	70%
Operatives			
Other process operatives			
Plant & machine operatives			
Total	20%	40%	69%



Thank You

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