

Anticipating Future Skills – Gold Coast



15 February 2019

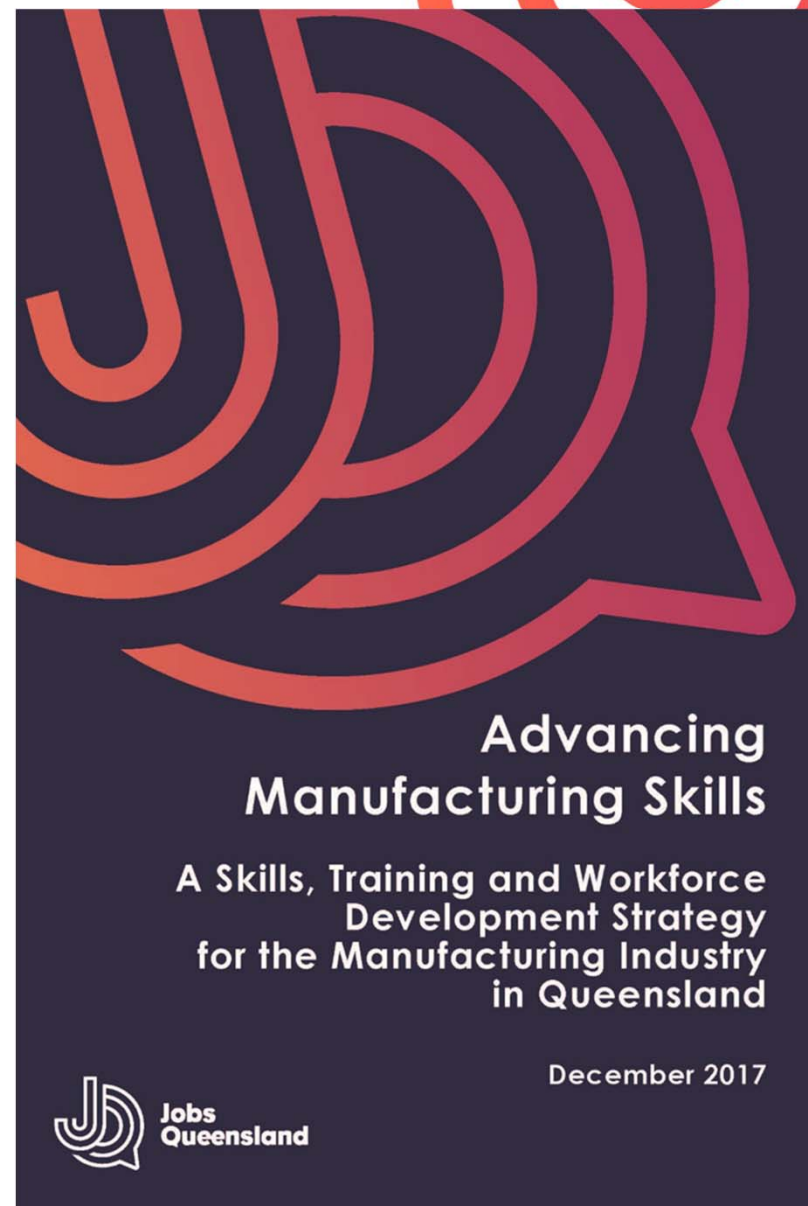
Jobs Queensland

A voice for industry and the regions

- anticipate future skill needs
- dedicated engagement, research and analytics capability
- workforce development and planning
- a conduit between industry, Government and training



**Jobs Queensland strives
to shape a better future for
the social and economic
prosperity of Queensland**



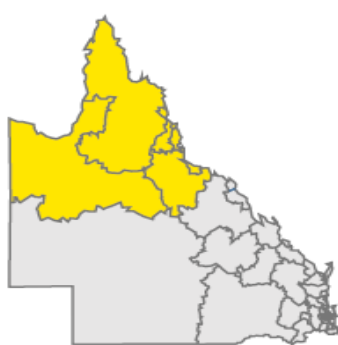
Anticipating Future Skills project



- Expert forum held November 2016 to co-design principles for developing a place-based approach to anticipating skills needs.
- Combination of scenario planning and economic modelling to 2022
- Baseline scenario developed utilising Queensland Treasury Budget forecasts
- Three plausible future scenarios to help manage future uncertainty

Scenario development

- In late 2017, workshops conducted across North, Central and Southern Queensland
- Focus on the impact of various scenarios on regional economy, industries and labour markets
- Feedback also sought via survey



North Queensland



Central Queensland



Southern Queensland

The Scenarios

SCENARIO ONE

TECHNOLOGICAL CHANGE

- To increase technological growth such that average labour productivity of all industries in Queensland is 25 base points higher than the baseline each year between 2017-18 and 2021-22.

SCENARIO TWO

CHANGING WORKFORCE THROUGH MIGRATION

- An increase in net interstate migration to Queensland of 30,000 beginning in 2018. International migration remains at 23,000 per annum over the forecast period.

SCENARIO THREE

EXTERNAL IMPACT

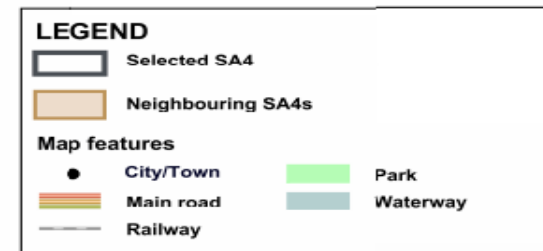
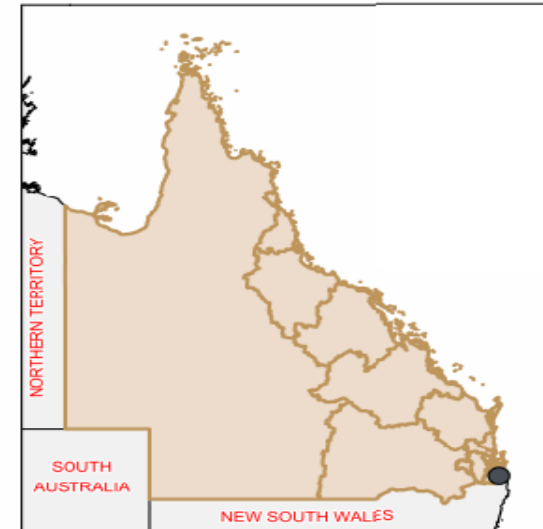
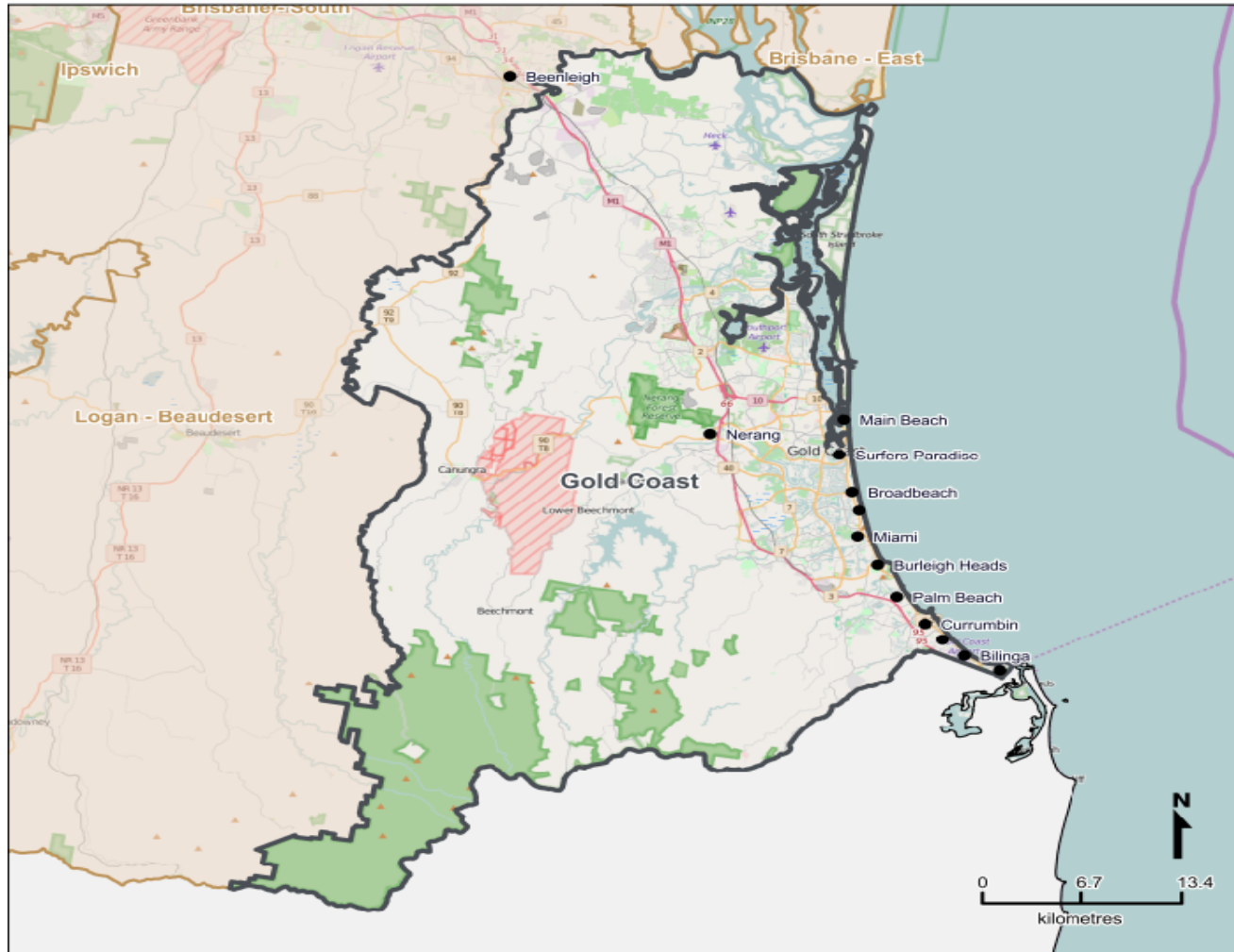
- That the price of iron ore, coking coal and thermal coal falls 50 per cent from their respective baseline prices between 2017-18 and 2021-22.

Model outputs



- Regional data – 15 SA4 Regions
 - Brisbane SA4s amalgamated
- Industry data – ANZSIC Group (3 digit)
 - 214 Industry Groups
- Occupation data – ANZSCO Unit Group (4 digit)
 - 358 Occupation Unit Groups
- Qualification data – Australian Standard Classification of Education
 - Level of Education (e.g. Bachelor degree)
 - Field of Education (e.g. Food, Hospitality and Personal Services)

Gold Coast SA4 (ASGS Code 309), 2016



Map produced by Queensland Government Statistician's Office,
Queensland Treasury (<http://www.qgso.qld.gov.au/products/maps/>).
Data sourced from ABS 1270.0.55.001

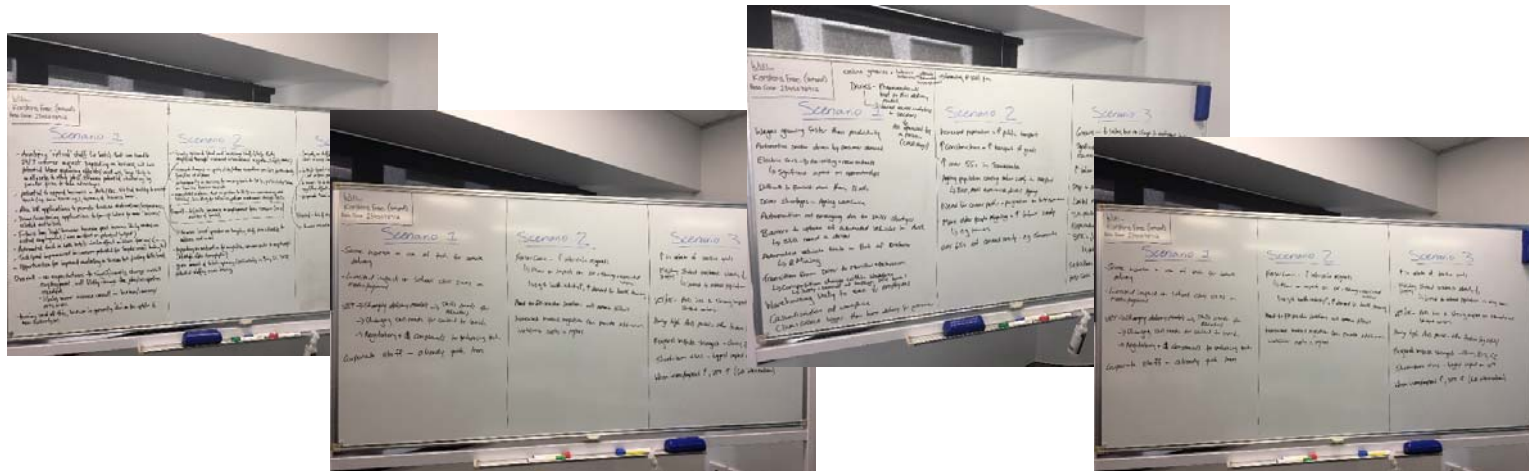
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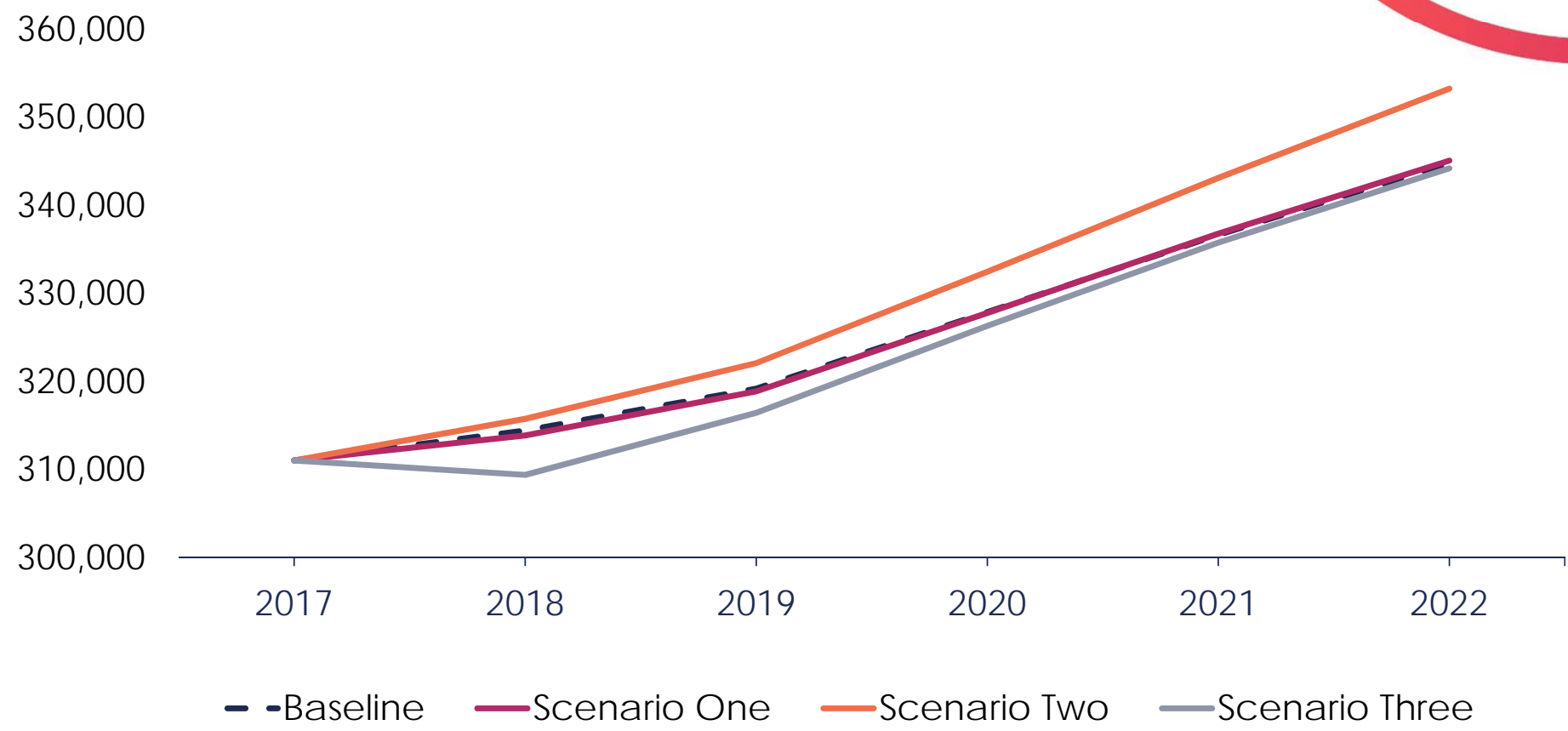
© The State of Queensland (Queensland Treasury) 2016

Testing and validation of draft outputs

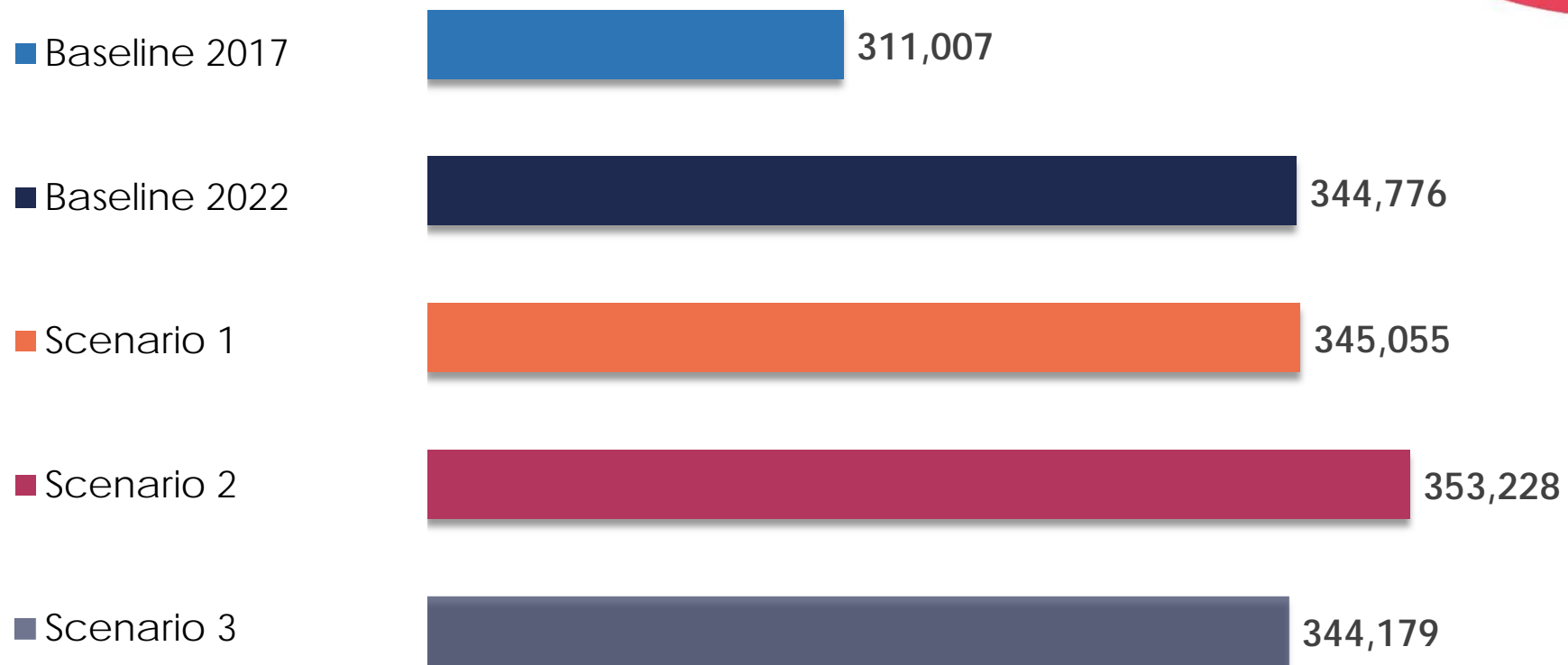
- Stakeholders were presented with an overview of the draft modelling outputs
- Feedback was incorporated to ensure that results accurately reflect the realities of the current and future workforce



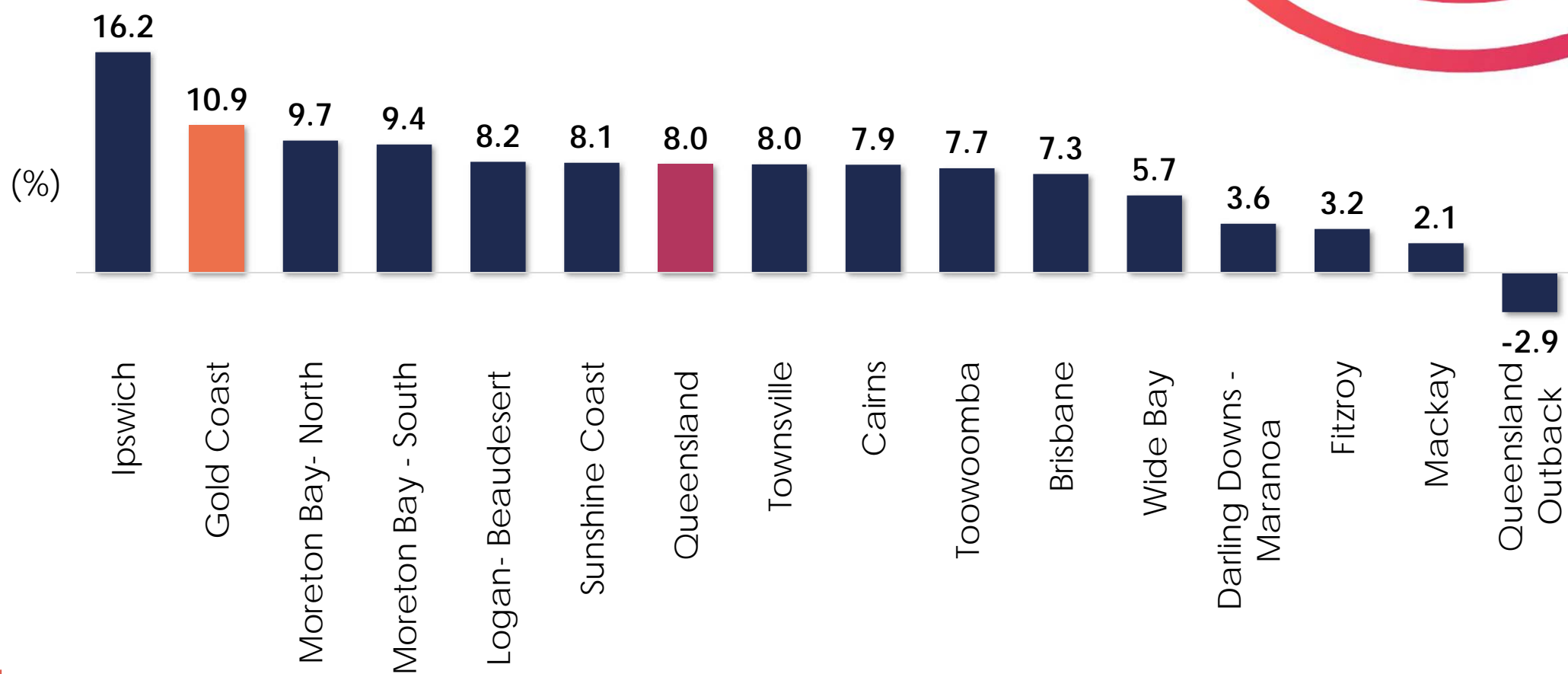
Employment across all scenarios, Gold Coast, 2017 - 2022



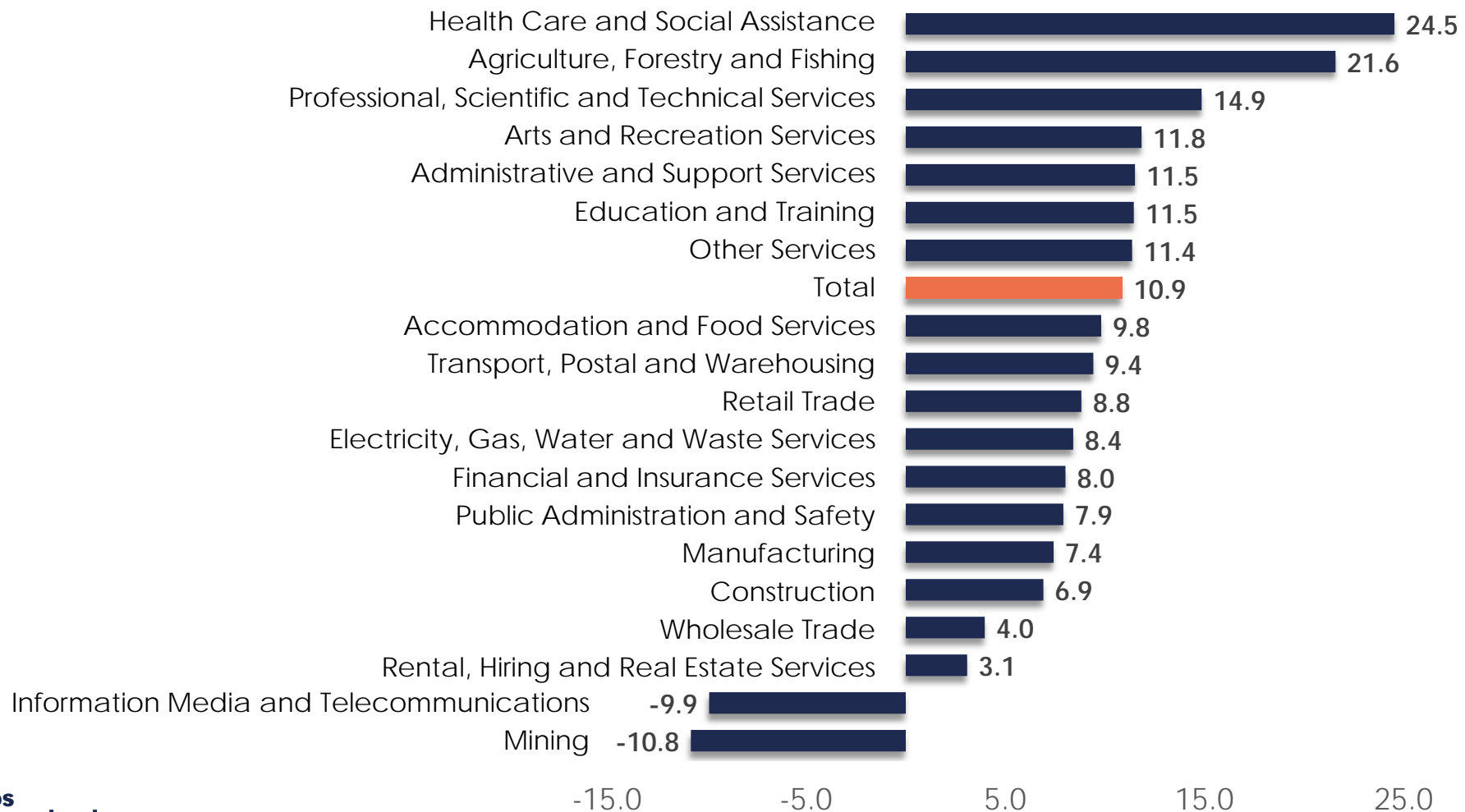
Employment to 2022 across all scenarios, Gold Coast



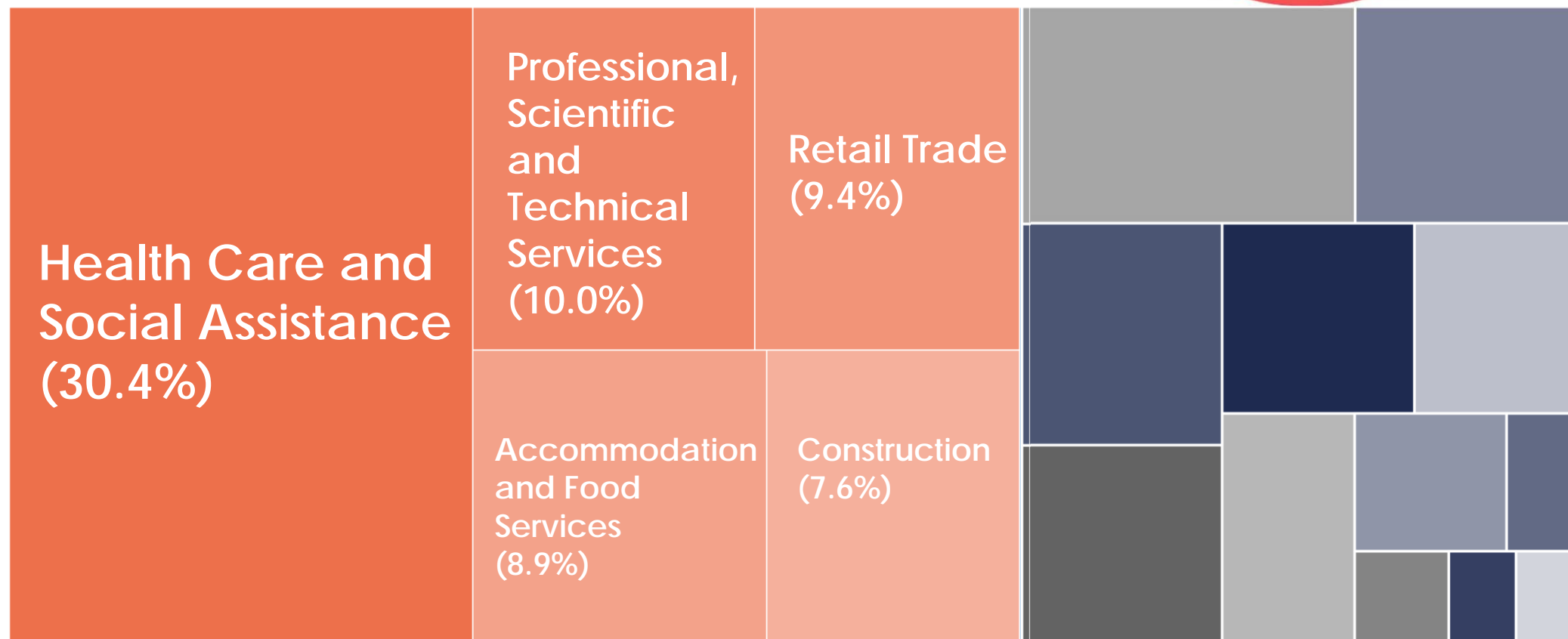
Jobs growth varies across regions (baseline scenario, 2017 – 2022)



Jobs growth varies across industries, (baseline scenario, 2017 – 2022)



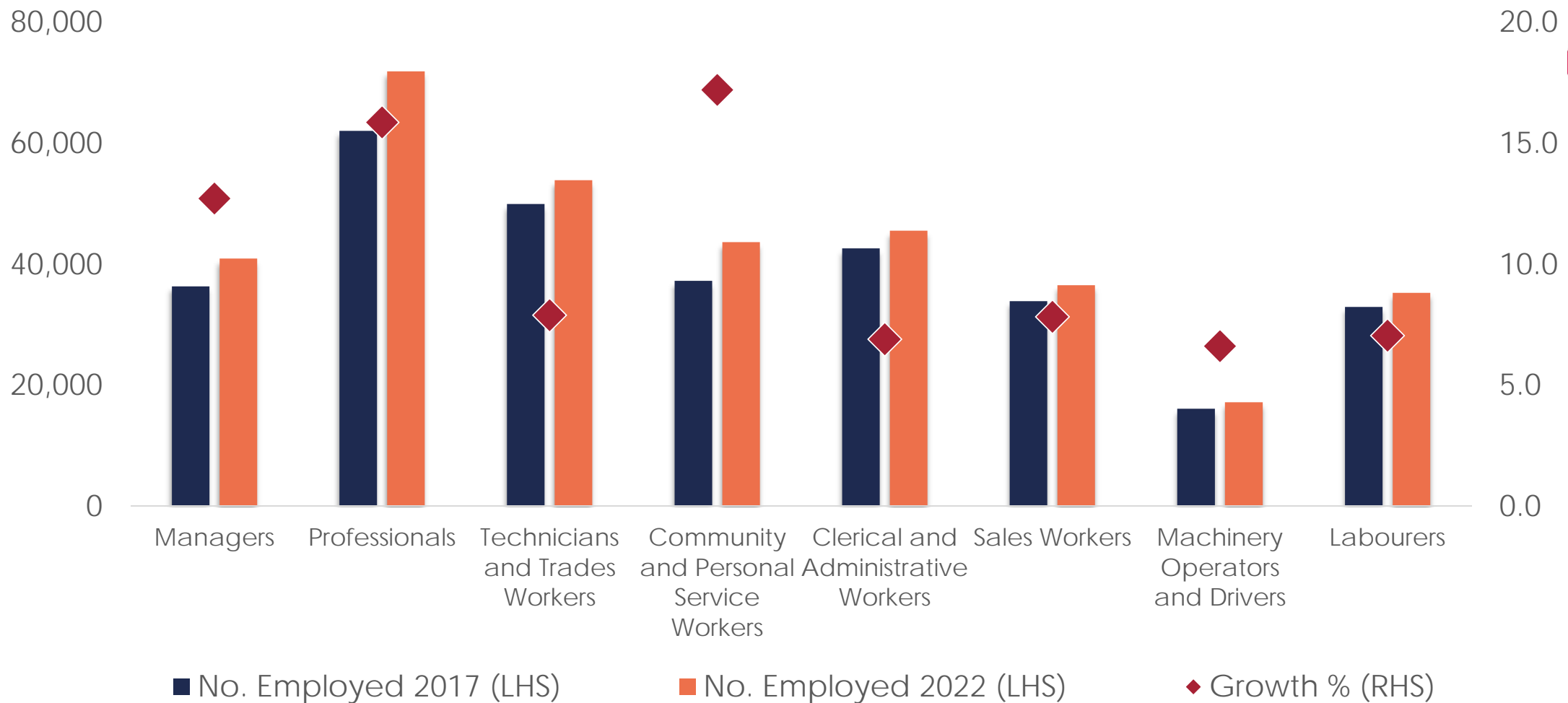
Contribution to total jobs growth varies across industries (baseline scenario, 2017 – 2022)



Combined industries: 66.3% of total employment growth

All other industries: 33.7%

Jobs growth varies across occupations, (baseline scenario, Gold Coast, 2017 – 2022)



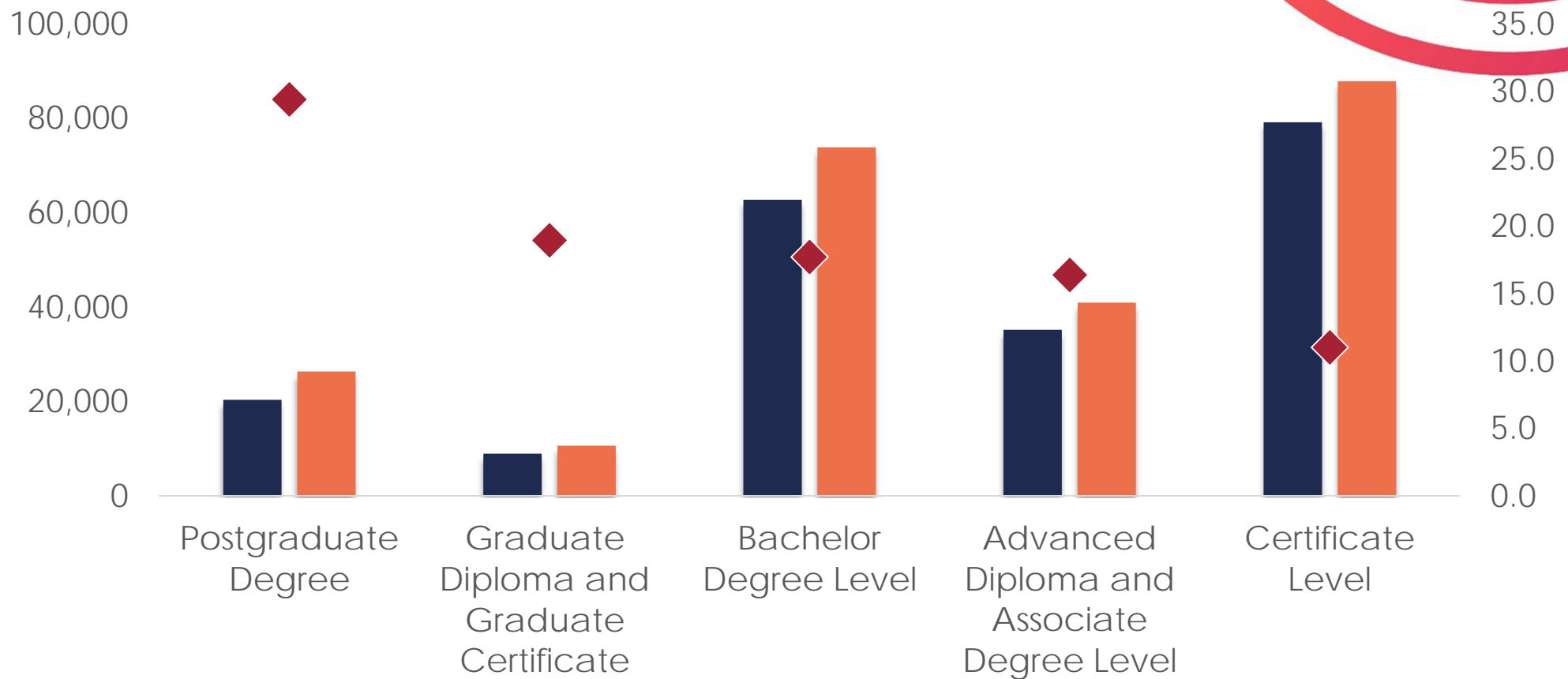
Jobs growth varies across occupations, (baseline scenario, Gold Coast, 2017 – 2022)



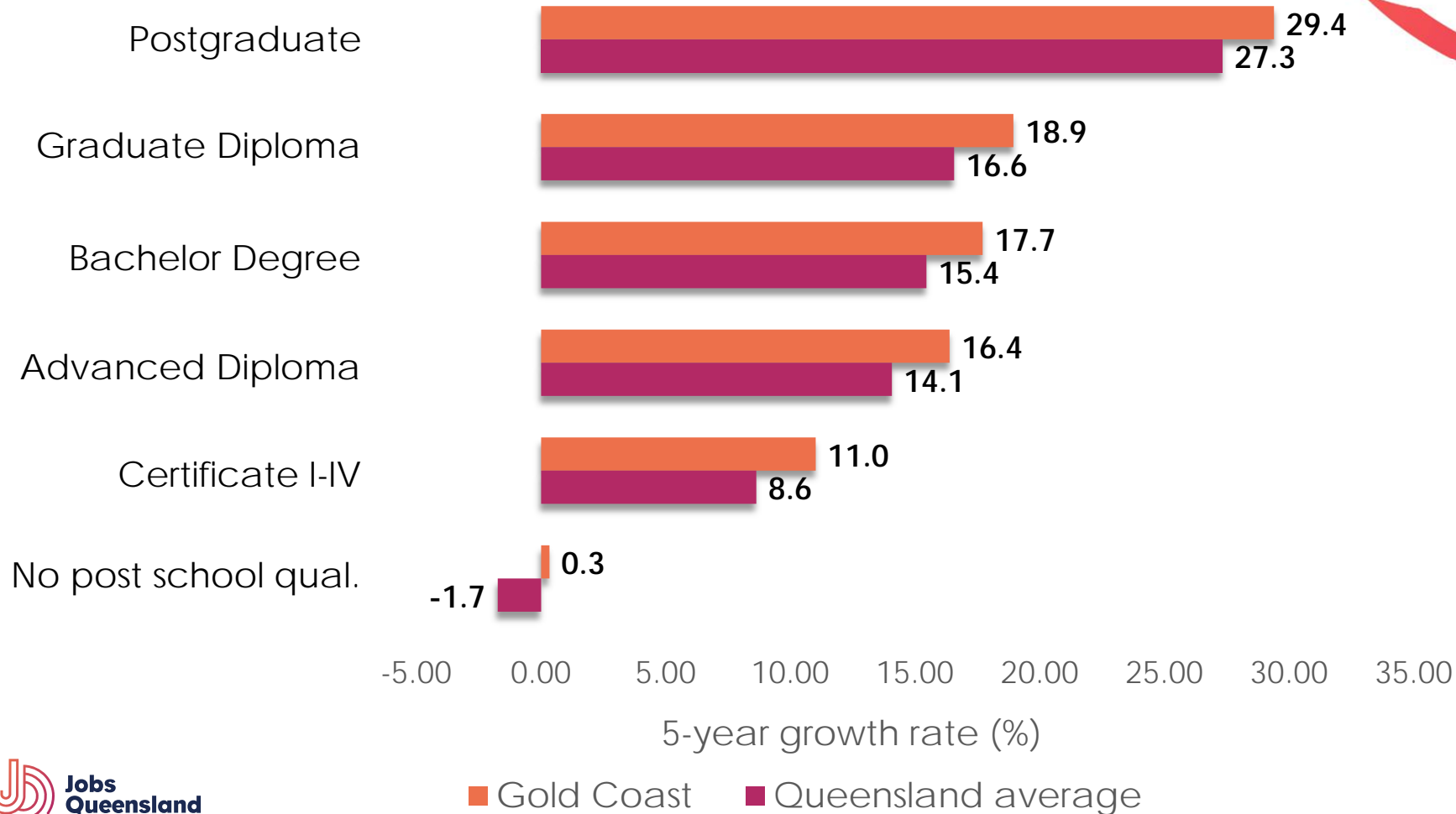
Baseline Employment for largest occupation sub-major groups, 2017 to 2022

Occupation Sub-Major Groups	No. employed in 2017	Change by 2022 (%)
• Sales Assistants and Salespersons	24,064	10.0
• Health Professionals	20,055	23.7
• Specialist Managers	18,457	14.0
• Hospitality, Retail and Service Managers	18,254	11.4
• Carers and Aides	18,064	25.2
• Business, Human Resource and Marketing Professionals	16,020	12.5
• Construction Trades Workers	13,276	6.0
• Education Professionals	13,077	12.5
• Hospitality Workers	10,421	10.8
• Cleaners and Laundry Workers	10,138	10.5

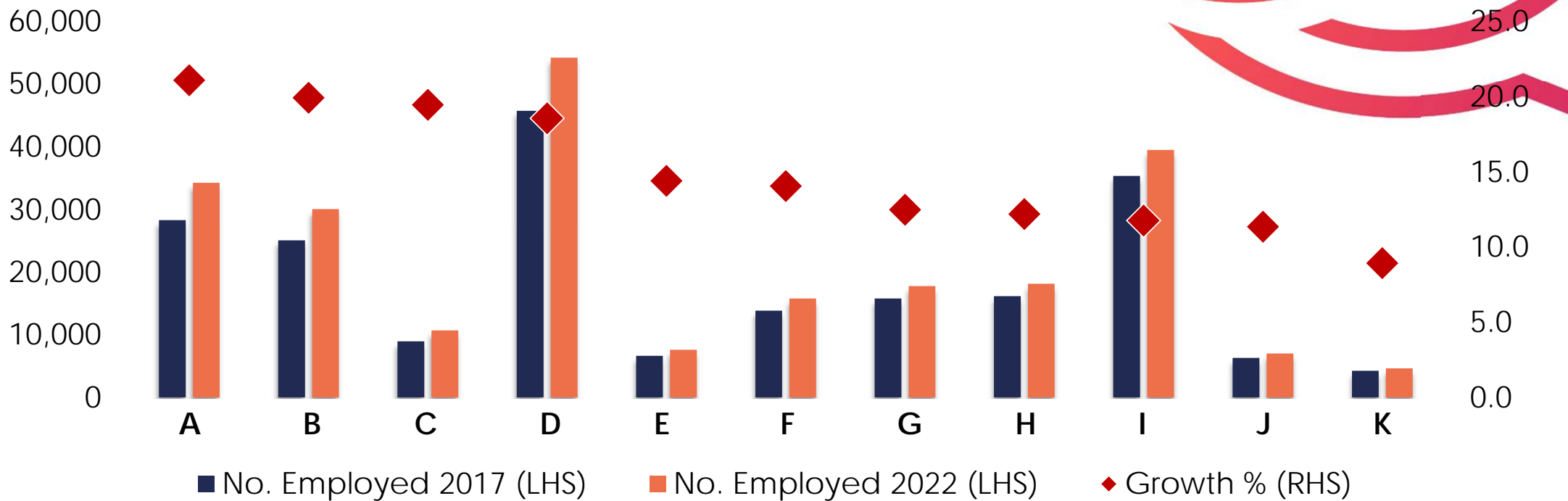
A more educated workforce (baseline scenario, Gold Coast, 2017 – 2022)



A more educated workforce (baseline scenario, 2017 – 2022)



Employed persons by Field of Education, baseline scenario, 2017 – 2022



A - Society and Culture

B - Health

C - Creative Arts

D - Management and Commerce

E - Information Technology

F - Food, Hospitality and Personal Services

G - Architecture and Building

H - Education

I - Engineering and Related Technologies

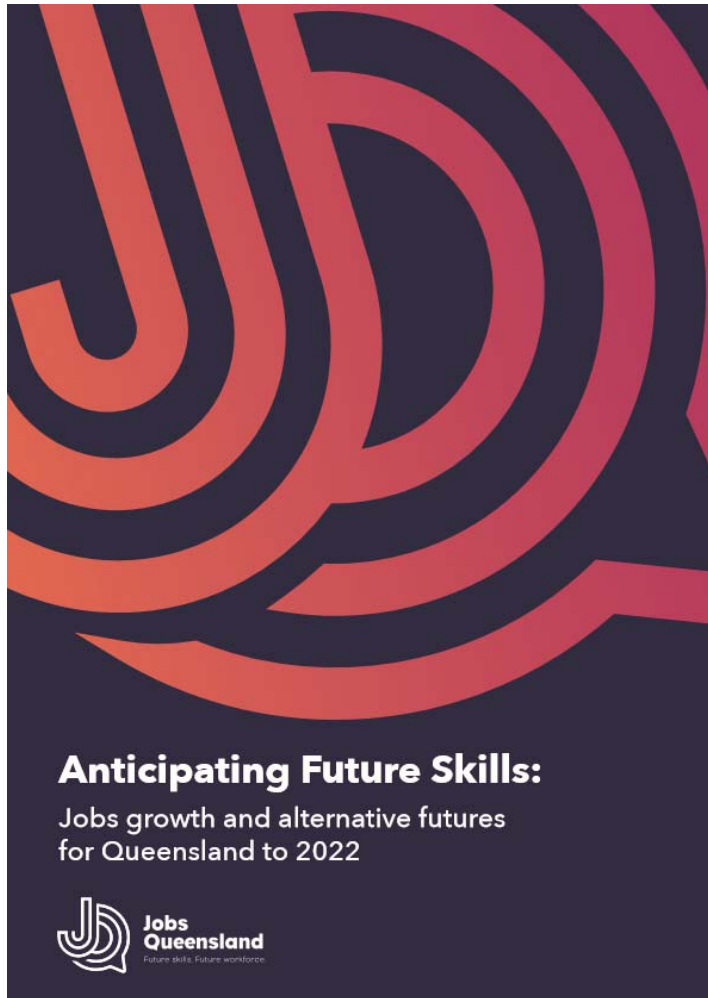
J - Natural and Physical Sciences

K - Agriculture, Environmental and Related Studies



Exploring the Data

Anticipating Future Skills report



Industry and regional snapshots

Gold Coast



Health Care and Social Assistance



Industry and regional snapshots



Health Care and Social Assistance

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Projected change in industry employment, all scenarios, 2017-2022



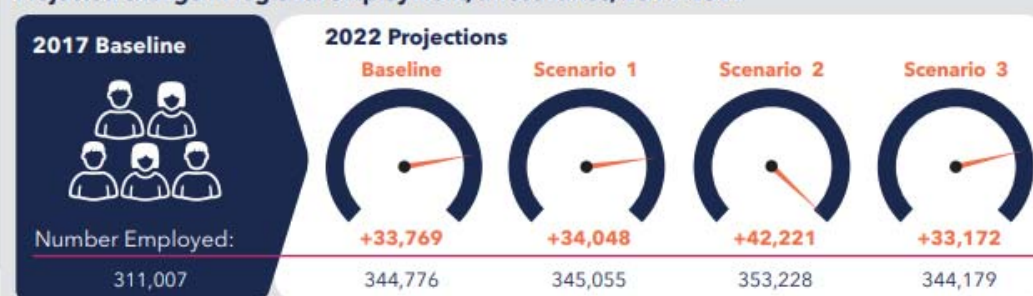
Profile: The Health Care and Social Assistance industry is mainly engaged in providing human health care and social assistance. It includes hospitals, medical and other care services (including allied health, ambulances and pathology), residential care services and social assistance services, such as child care, disabilities assistance, and welfare counselling services.

Outlook: This is the largest employing industry in Queensland and under the baseline scenario it is expected to grow by almost 20 per cent by 2022. The fall in household consumption which occurs under Scenario One has a negative effect on this industry and there are almost 450 fewer workers compared with the baseline. The economic effect of Scenario Three also affects the Health Care and Social Assistance industry negatively, with around 2100 fewer workers employed in this scenario compared with the baseline. The demographic changes in Scenario Two increases employment in this industry at twice the state average, with an additional 8318 workers projected to be needed by 2022.

Gold Coast

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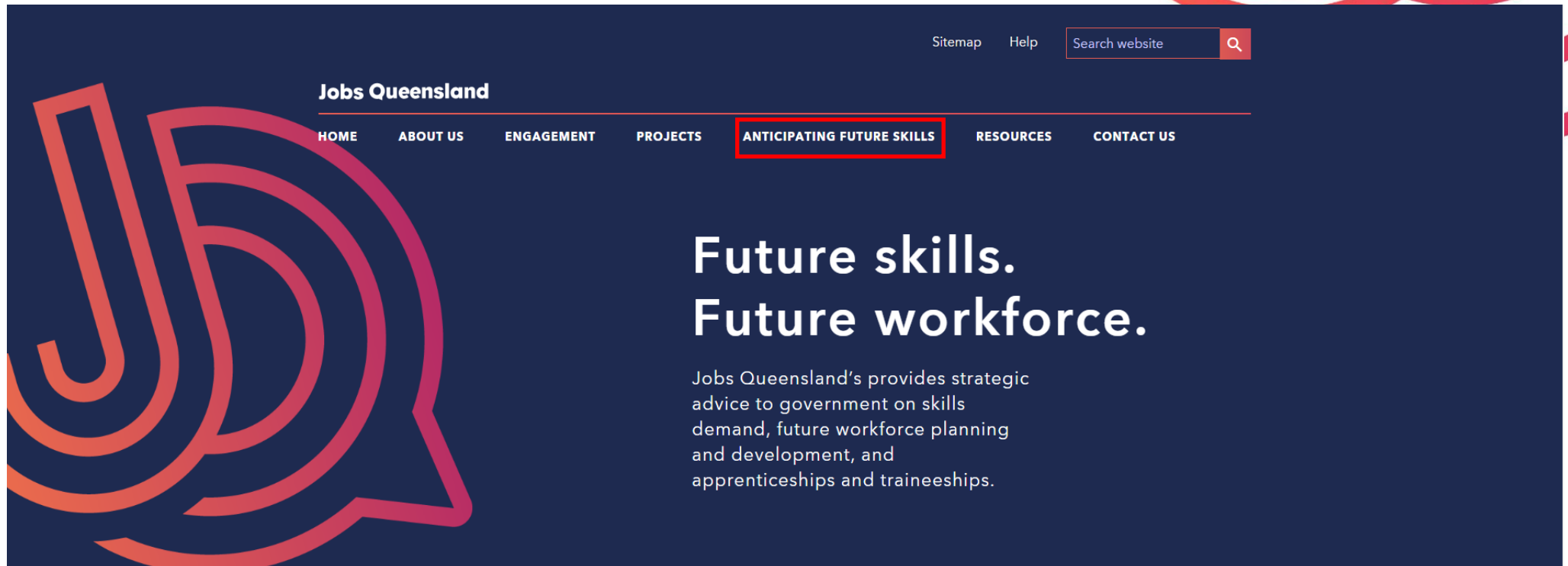
Projected change in regional employment, all scenarios, 2017-2022



Profile: The Gold Coast region extends along the coast from the Queensland border to north of Jacobs Well, inclusive of South Stradbroke Island. It covers the area west to Tamborine and Canungra and south to Springbrook and Lamington National Park. Recognised as a major tourism hub, employment in the region is focused on the Retail Trade, Accommodation and Food Services, and Education and Training industries. However, employment in Health Care and Social Assistance, Construction, and Professional, Technical and Scientific Services is also significant.

Outlook: Under the baseline scenario, employment in the Gold Coast region grows by more than 33,700 people (10.9 per cent) between 2017 and 2022 and this increases to more than 34,000 under Scenario One. The large intake of additional interstate migrants means that employment under Scenario Two is projected to increase by 42,221, with the Health Care and Social Assistance sector accounting for about one-quarter of these additional workers. Scenario Three shows employment growth slowing to 10.7 per cent due to the benefits of a lower Australian dollar not completely offsetting the negative impact of falling commodity prices in the medium term, particularly in the case of Construction and Retail Trade.

Jobs Queensland Website



Together with its partners, Jobs Queensland strives to shape a better future for the social and economic prosperity of Queensland. Find out more about our work.



Data tools: Regions



Anticipating Future Skills report

Download the Anticipating Future Skills: Jobs growth and alternative futures for Queensland to 2022 report.

[DOWNLOAD THE REPORT \(2.25MB\) →](#)



Additional statewide data

View additional statewide charts.

[READ MORE →](#)



Regions

View detailed employment projections for 15 regional areas across Queensland.

[READ MORE →](#)



Industries

View detailed employment projections by ANZSIC industry.

[READ MORE →](#)



Occupations

View detailed employment projections by ANZSCO occupation.

[READ MORE →](#)



Qualifications

View the key findings for both Field of Education and Level of Education.

[READ MORE →](#)

Anticipating Future Skills: Gold Coast

Industry Projections by Occupation by Region

In this tool, industries of employment are broken down to the Group level (3-digit codes) of the ANZSIC classification system, while the occupations of employed people are broken down to the Sub-Major Group (2-digit codes) of the ANZSCO classification system, as used by the Australian Bureau of Statistics. Regions are at the Statistical Area 4 level.



Select from drop down list:

Industry: 241 - Professional and Scientific Equipment Manufacturing

Select from drop down list:

Occupation: 26 - ICT Professionals

Select from drop down list:

Region (SA4): Gold Coast

Select from drop down list:

Comparison Region: Brisbane

Note: Projections are indicative and not definitive of future employment growth

PROJECTED EMPLOYMENT NUMBERS

Rectangular Snip

Occupation and Industry in Selected Regions:

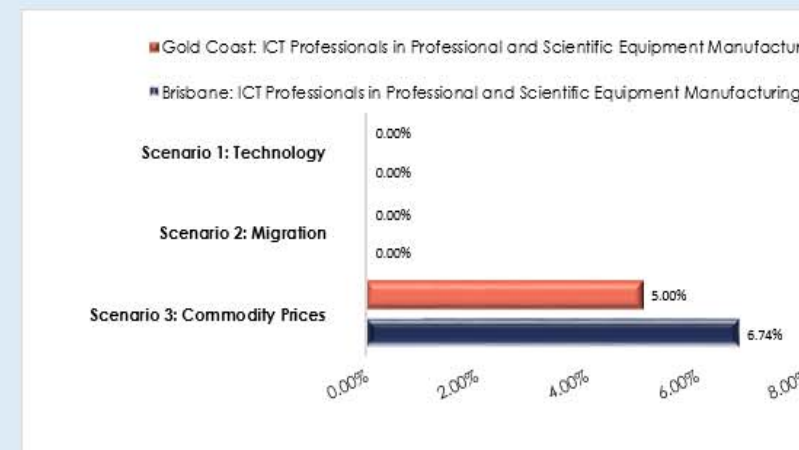
	2017		2022 Baseline		Scenario 1: Technology		Scenario 2: Migration		Comparison Region
	Gold Coast	Brisbane	Gold Coast	Brisbane	Gold Coast	Brisbane	Gold Coast	Brisbane	
ICT Professionals in Professional and Scientific Equipment Manufacturing	15	69	20	89	20	89	20	89	
Total ICT Professionals employed in region	4,669	15,712	5,272	17,898	5,278	17,923	5,304	17,931	
Total employment in Professional and Scientific Equipment Manufacturing	328	1,462	410	1,829	412	1,840	410	1,830	
Total employment for region	311,007	685,212	344,776	734,952	345,055	735,406	353,228	741,161	344,776

SCENARIO IMPACTS

Change in Employment Numbers compared with 2022 Projection:

	Scenario 1: Technology		Scenario 2: Migration		Scenario 3: Commodity Prices	
	Gold Coast	Brisbane	Gold Coast	Brisbane	Gold Coast	Brisbane
ICT Professionals in Professional and Scientific Equipment Manufacturing	0	0	0	0	1	6
Total ICT Professionals employed in region	6	25	32	33	10	58
Total employment in Professional and Scientific Equipment Manufacturing	2	11	0	1	28	125
Total employment for region	279	454	8,452	6,209	-597	462

Changes in Growth (%) compared to 2022 Projection:





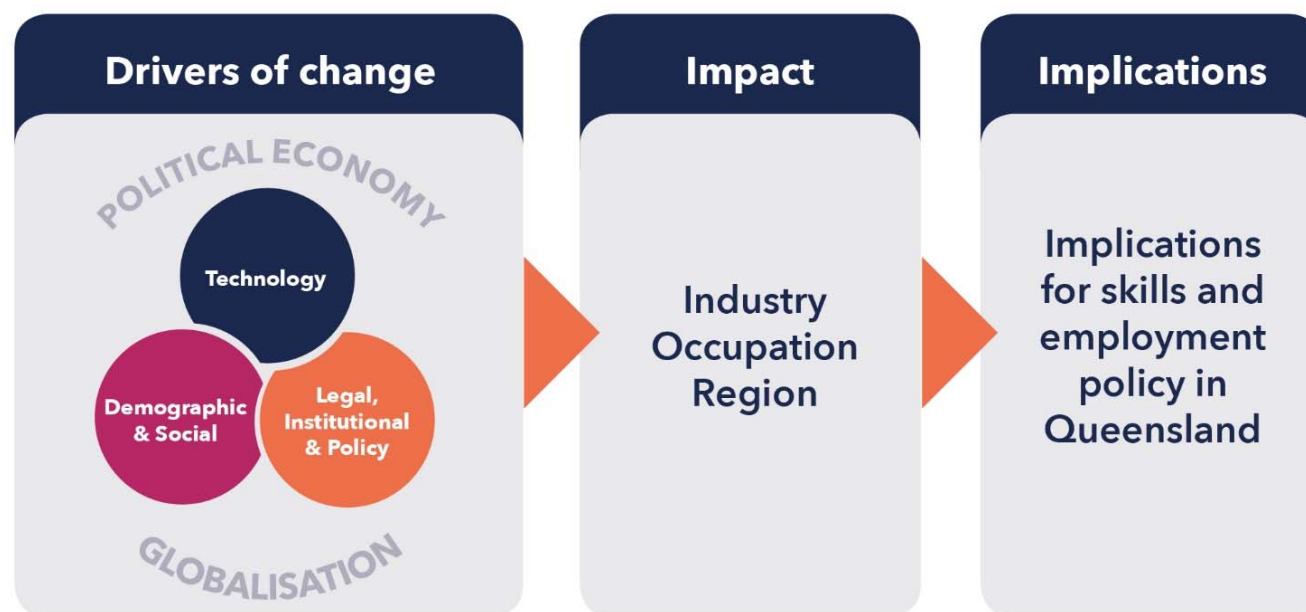
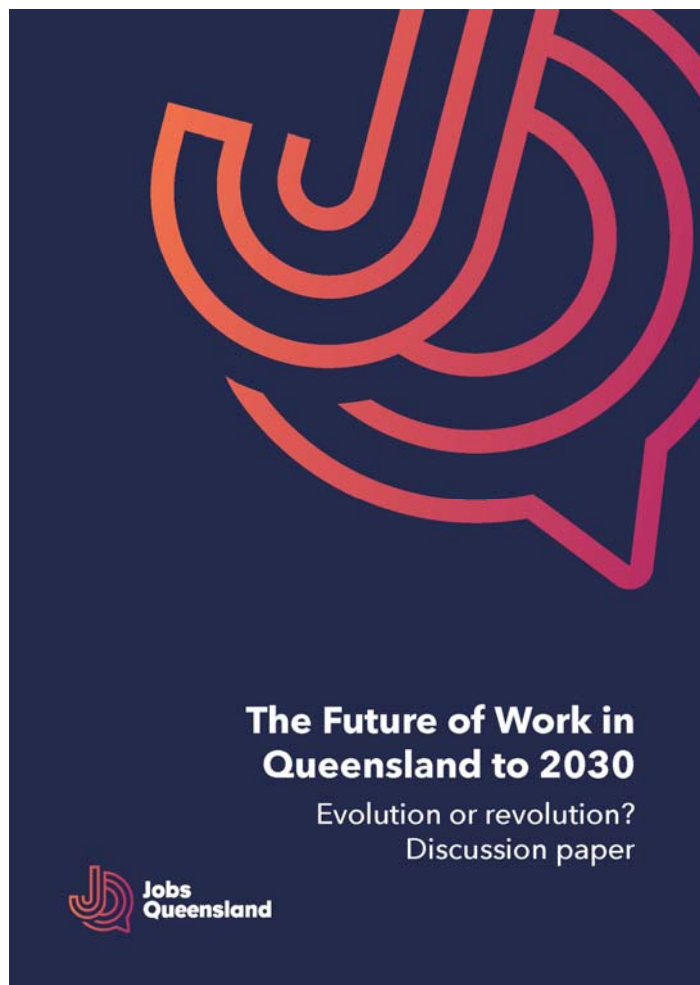
Future of Work

Slide 27

ZJ1

Slide 7 deleted and additional notes added to slide 6

Zea Johnston, 6/02/2019



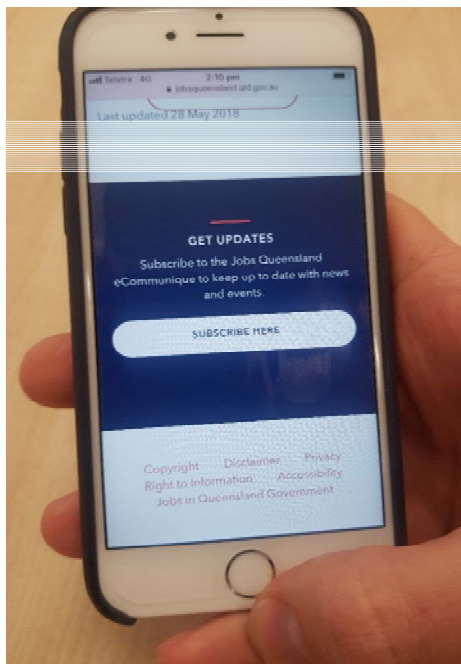
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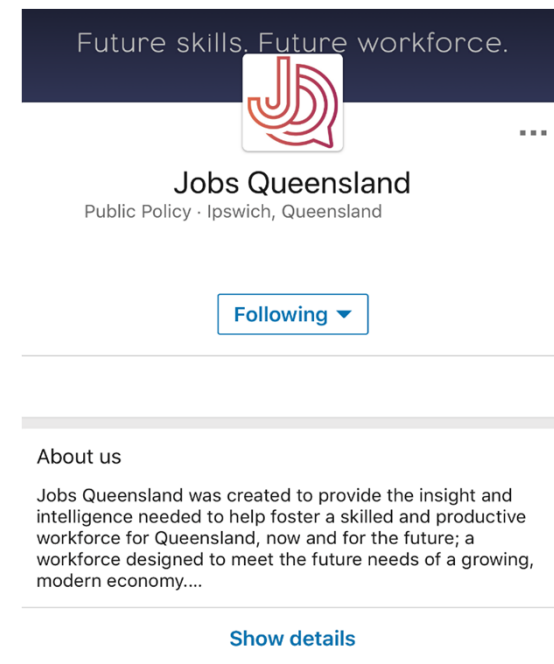
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