

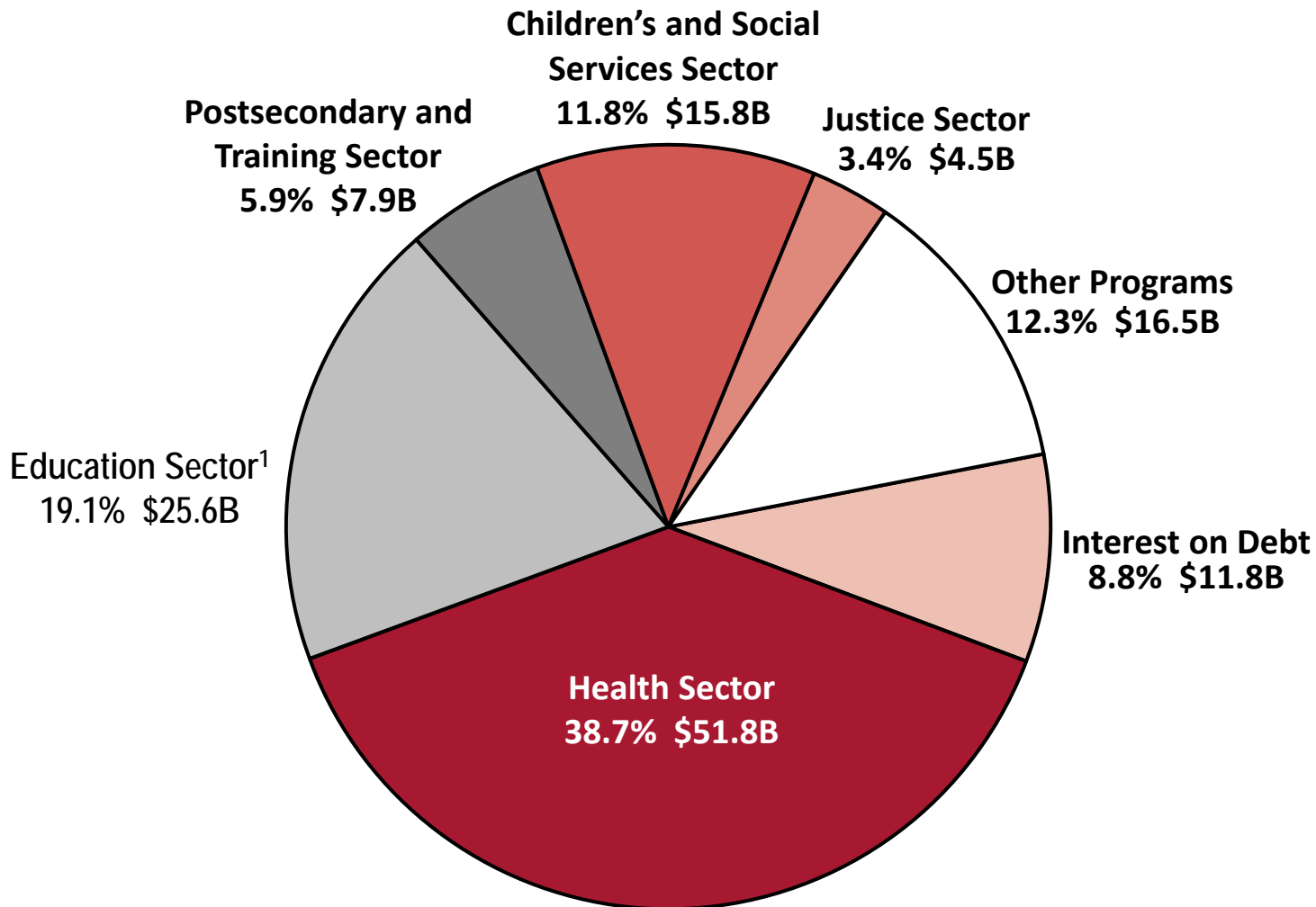
# ONCAT: 5th Annual Student Pathways in Higher Education Conference

Sheldon Levy, Deputy Minister

Ministry of Training, Colleges and Universities

# Composition of Total Expense, 2016–17

**2016–17 Total Expense: \$133.9  
Billion**

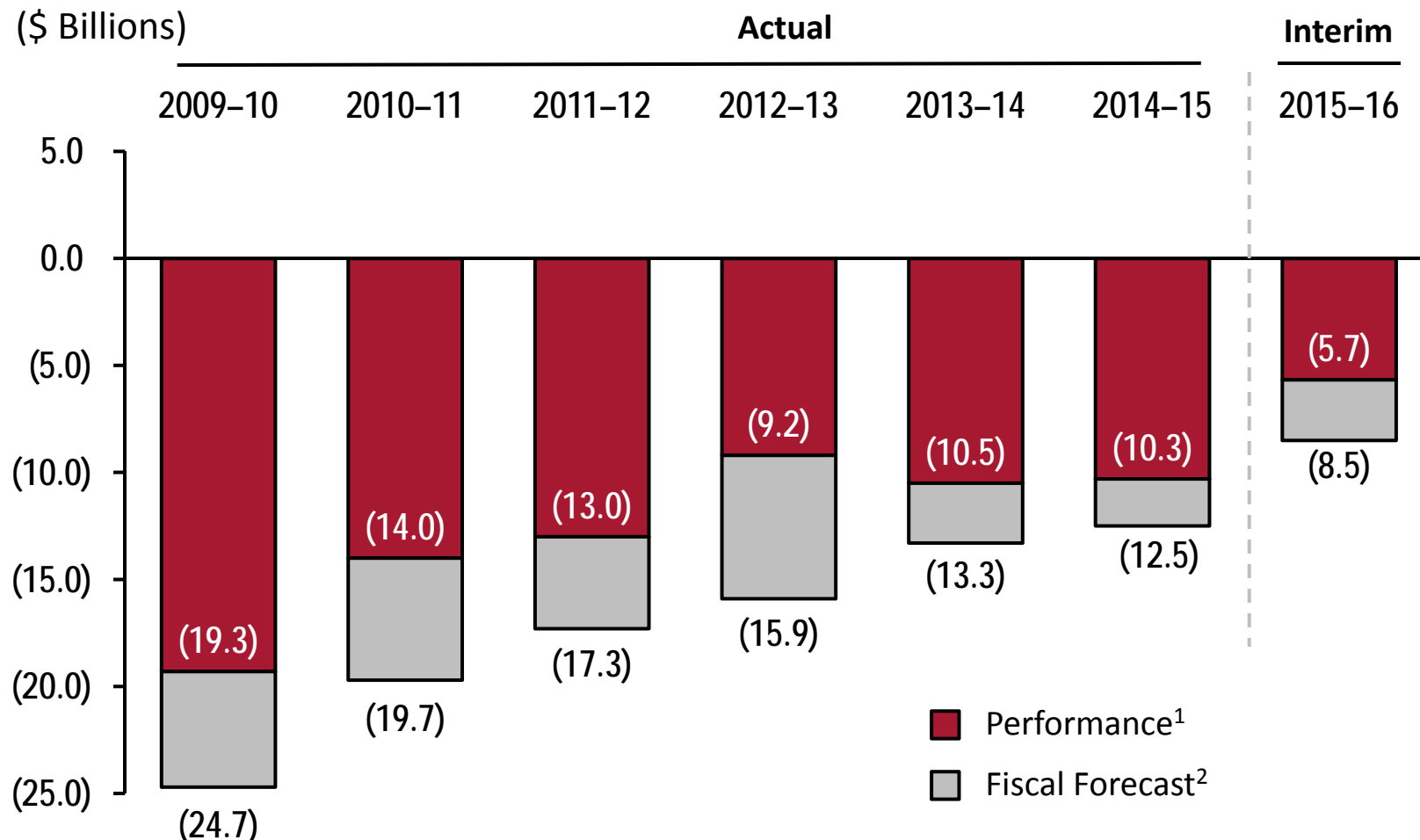


<sup>1</sup> Excludes Teachers' Pension Plan. Teachers' Pension Plan expense is included in Other Programs.  
*Note:* Numbers may not add due to rounding.

# Ontario's Record against Deficit Targets

## Fiscal Balance

(\$ Billions)



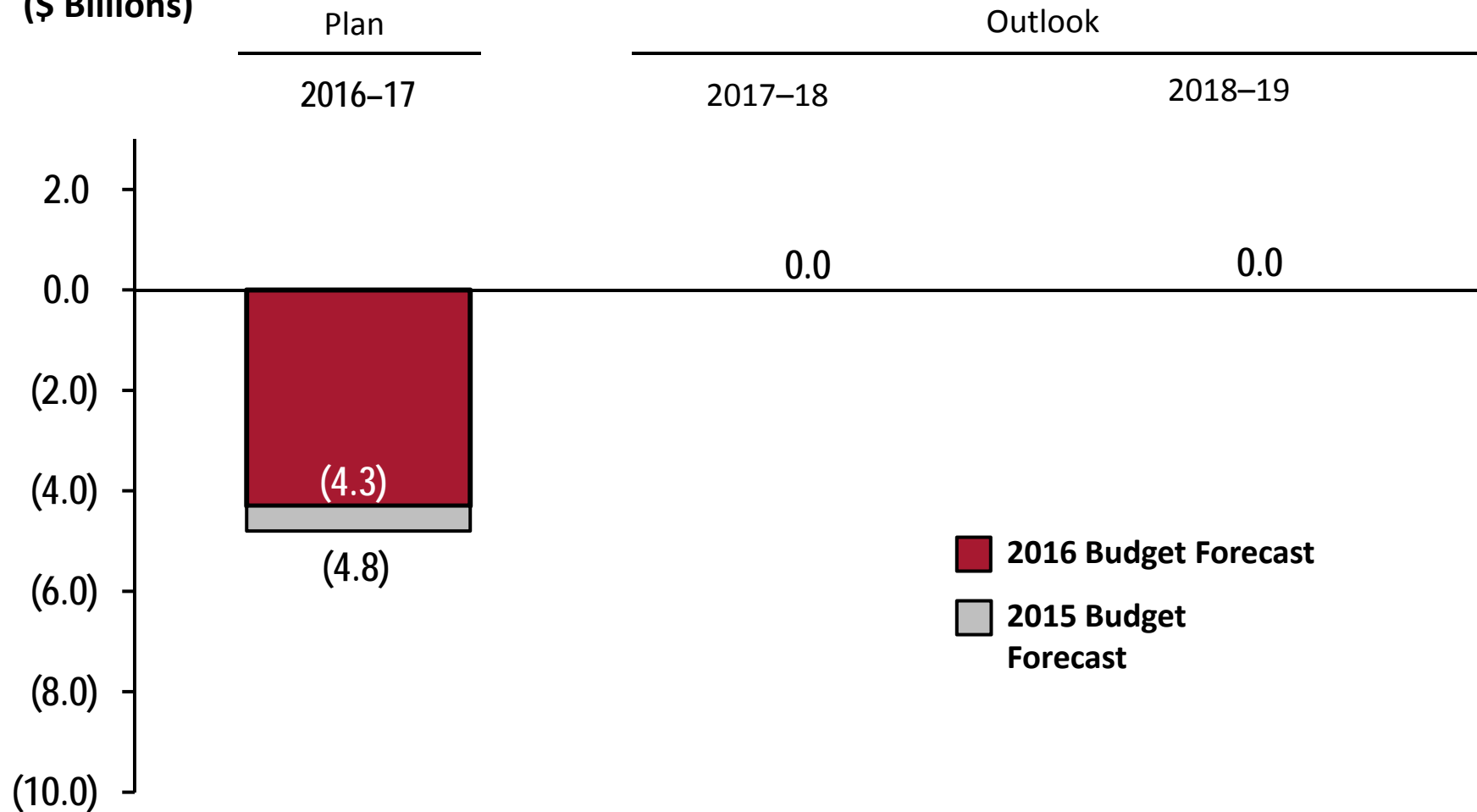
<sup>1</sup> Represents current forecast for 2015-16. For 2009-10 to 2014-15, actual results are presented.

<sup>2</sup> Forecast for 2009-10 is based on the *2009 Ontario Economic Outlook and Fiscal Review*, 2010-11 to 2013-14 is based on the *2010 Budget*; 2014-15 is based on the *2014 Budget*; and 2015-16 is based on the *2015 Budget*.

Source: Ontario Ministry of Finance.

# Ontario's Plan to Eliminate the Deficit

Fiscal Balance  
(\$ Billions)



Source: Ontario Ministry of Finance.

# **JOBS FOR TODAY AND TOMORROW**

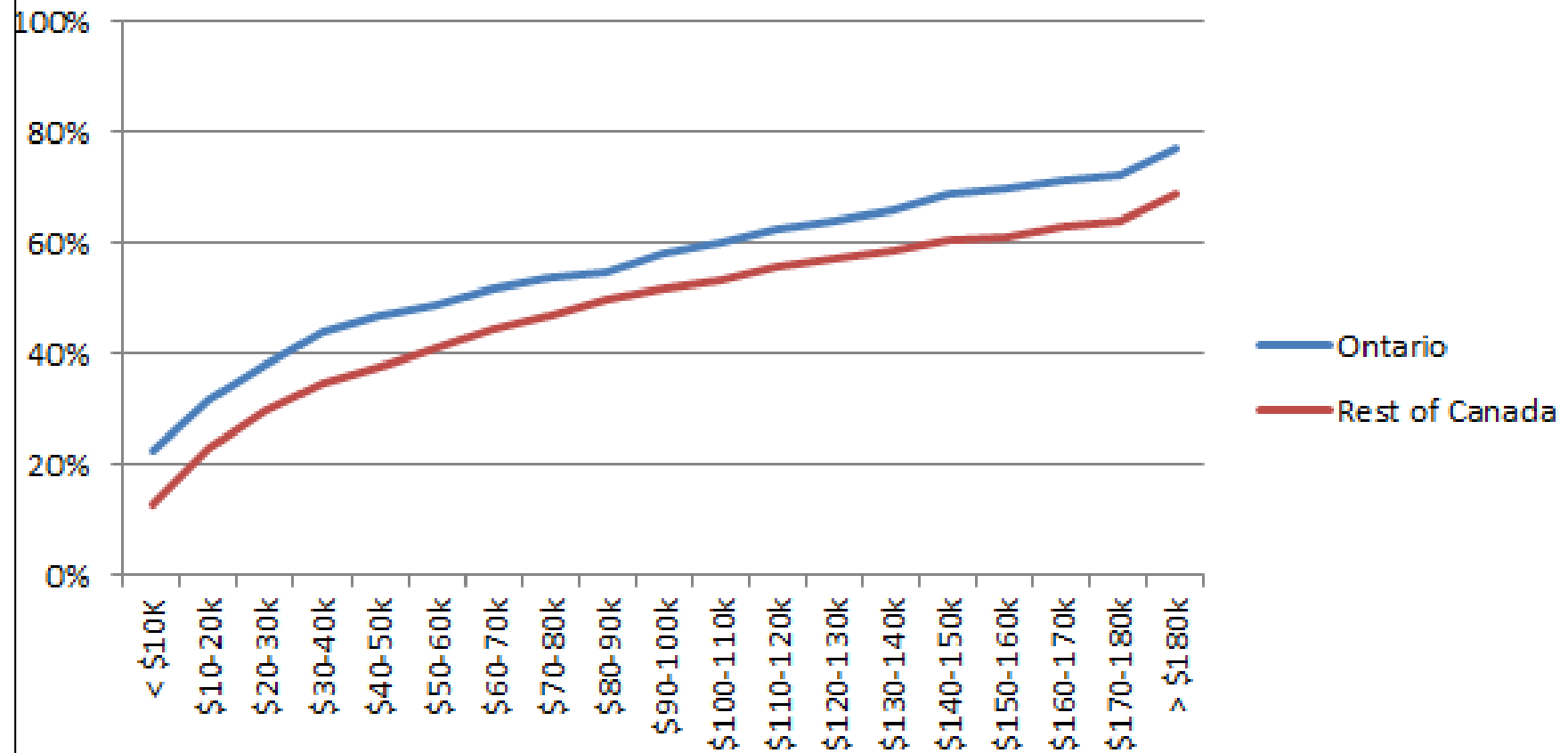
2016 ONTARIO BUDGET



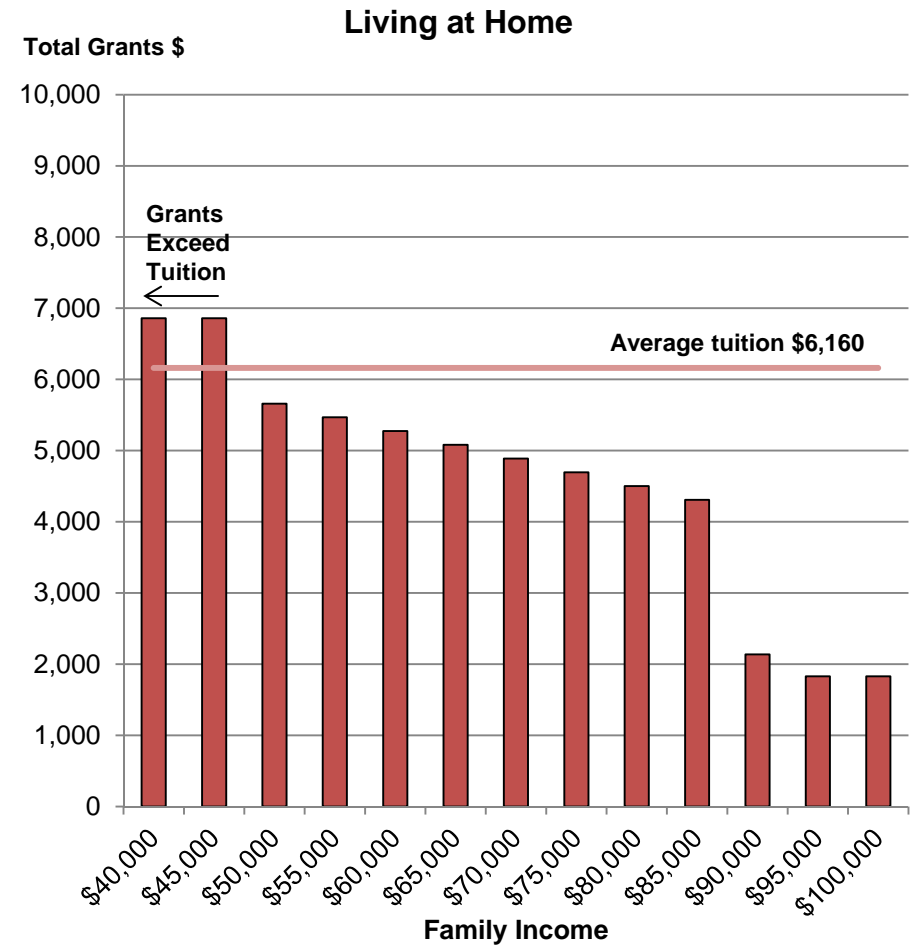
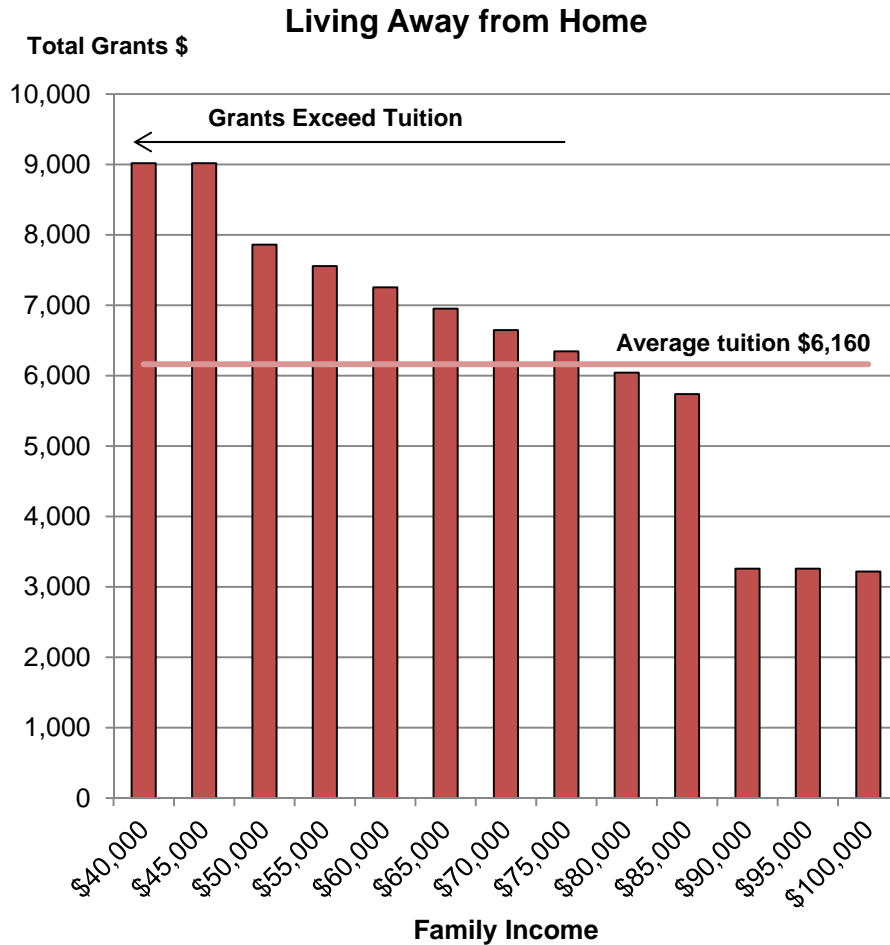
The Honourable  
**CHARLES SOUSA**  
Minister of Finance

*Budget Papers*

**Ontario and Rest of Canada - 2013 Postsecondary  
Participation Rates by Parental Income  
18 to 21 Year Olds**



# OSAP Grants for Dependent Arts & Science Students



# TCU Context

# Disruptance



VICES





# Collaborative Consumption



airbnb



# Our Model





 **craigslist**

**Google**™  
AdWords

What would happen if the degree was not the  
“employment currency?”

What would happen if the private sector  
(Google) went into the quality-degree  
business?

January 8, 2012

# 'Badges' Earned Online Pose Challenge to Traditional College Diplomas



Photo illustration by Bob McGrath for The Chronicle

[Enlarge Image](#)

*By Jeffrey R. Young*

The spread of a seemingly playful alternative to traditional diplomas, inspired by Boy Scout achievement patches and video-game power-ups, suggests that the standard certification system no longer works in today's fast-changing job market.

***“We must challenge our education systems – to produce the workers of the future for smart manufacturing; to create more university graduates who have the right work experience; and to develop needed entrepreneurs.”***

(E. Clark, Speech to the Toronto Board of Trade, November 2015)

# Sue Herbert's Report

## Selected Issues:

More experiential learning  
is a good thing.

Students want their  
education to lead to jobs.

Undergraduate education is too often 3<sup>rd</sup> priority behind research and graduate education.

The need for outcome measures as opposed to input.

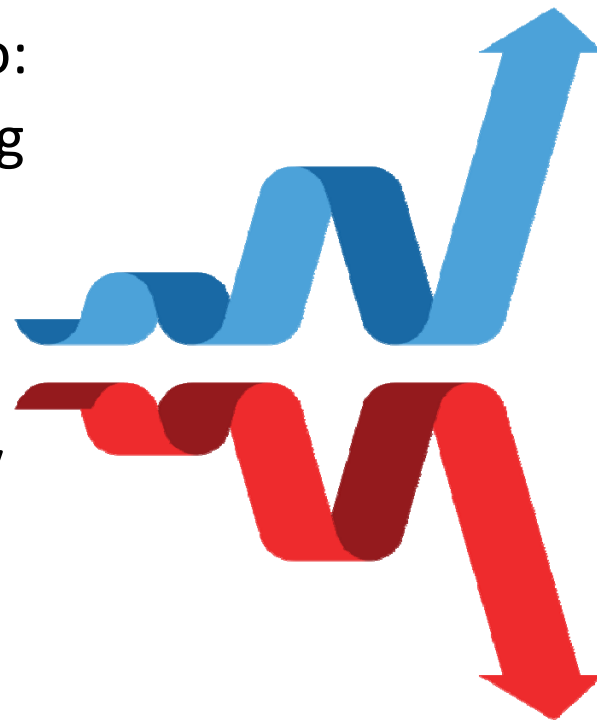
The need for better trusted data.



# **BUSINESS/ HIGHER EDUCATION ROUNDTABLE**

# Defining Period for the Canadian Economy

- The world is entering the **4<sup>th</sup> industrial revolution**
- Canada needs stronger growth to:
  - maintain our standard of living
  - meet future public service delivery costs
  - keep taxes comparatively low
- The Canadian economy is **rapidly transitioning to a knowledge economy**
- We're approaching an **inflection point** – what's needed to sustain growth?



# Changing economic conditions for businesses

**Rapid technological change, lean production and globalization** dramatically reshaping the global economy:



- The average half-life of business competency has dropped from 30 years in 1984 to 5 years in 2014.
- 89 per cent of the Fortune 500 from 1954 are not on the list in 2014.
- Average lifespan of an S&P 500 company has decreased from 67 years in the 1920s to 15 years today.
- 40 per cent of all S&P 500 companies are expected to disappear from the list within the next decade

# The Key Question for Institutions

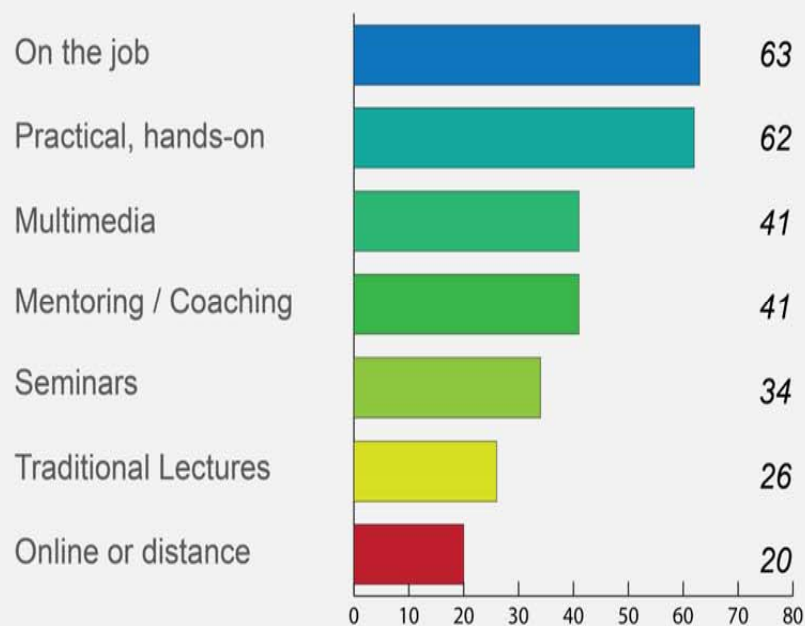
“If the fourth industrial revolution will be the next generation for industry, what does the next generation of post-secondary education look like?”

- Dr. David Ross, President, SALT

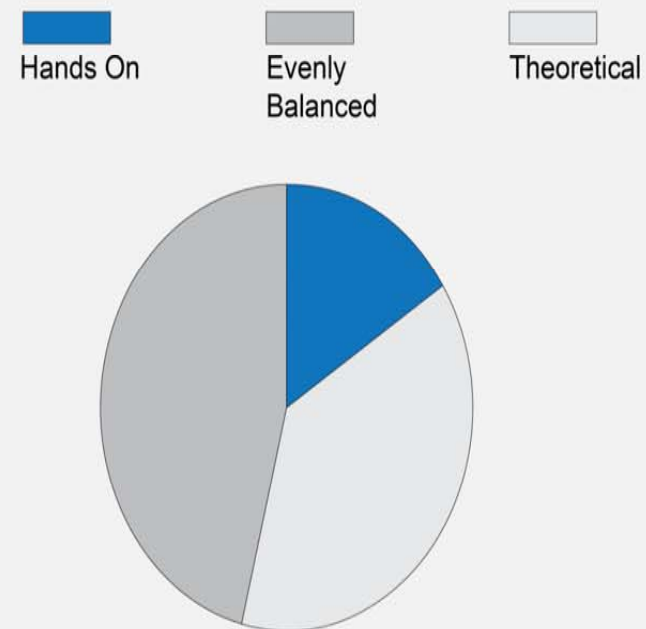
# Canadian Students Prefer “Hands On” Learning



Percentage of Students who find learning method to be “Effective” or “Extremely Effective”



Time Spent on Different Learning Methods

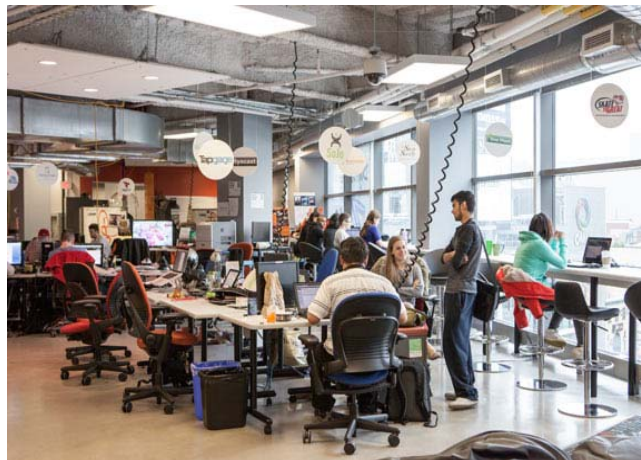


# CHANGING STUDENT NEEDS

A funding formula originally built to support the lecture hall in 1960.



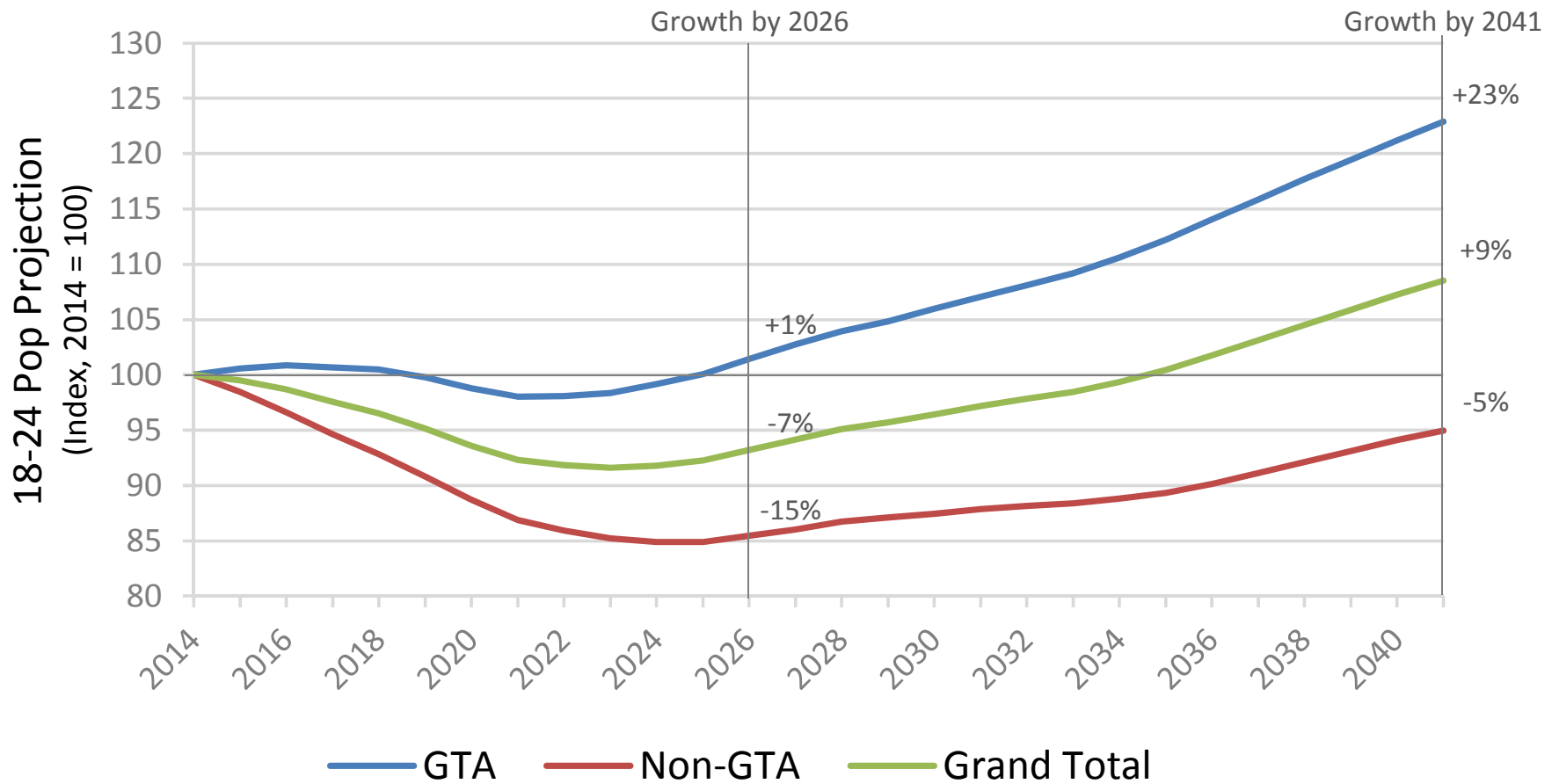
The new formula will support a more student centric model advancing experiential learning and the critical role universities must play in the modern economy.









# Demographics

# Projected Demographic Growth

## MoF Population 18-24 Projection



# FINANCIAL RISKS FOR MANY INSTITUTIONS

	University	College
GTA/Brand		 
Outside GTA	 	



# Universities, Colleges and Trades



College Degrees  
Nursing Degrees  
University Professional  
Masters and Graduate  
Diplomas

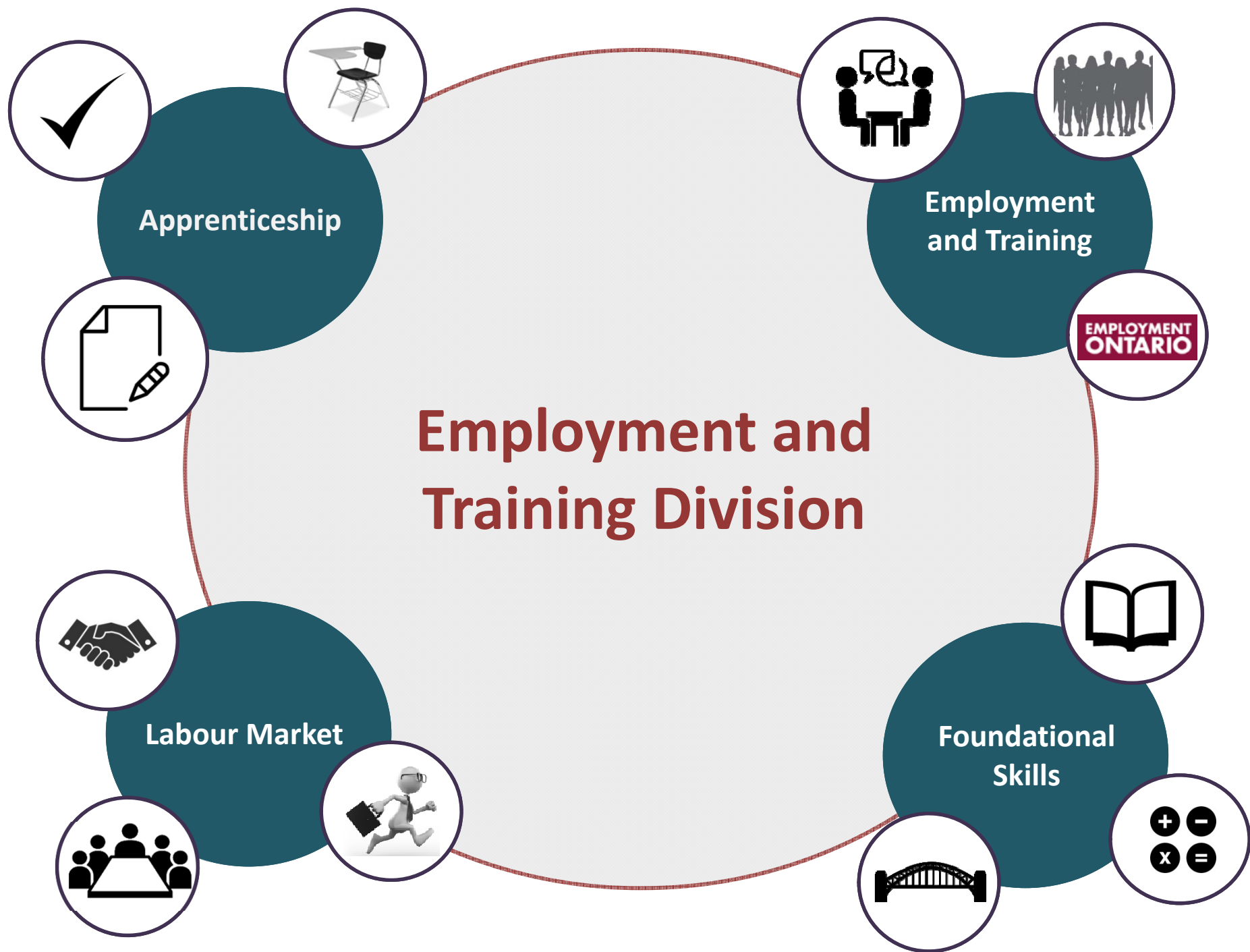
Growing  
Gap ??



UNIVERSITIES

COLLEGES

EMPLOYMENT AND  
TRAINING



**In 2015-2016 ETD programs  
touched more than a  
million Ontarians**

- 8,000+ laid off workers accessed skills training through Second Career
- 34,000+ adult learners improved their literacy and basic skills
- 23,000+ Ontarians registered as an apprentice



**Transformations in  
technology enhanced the  
client experience**

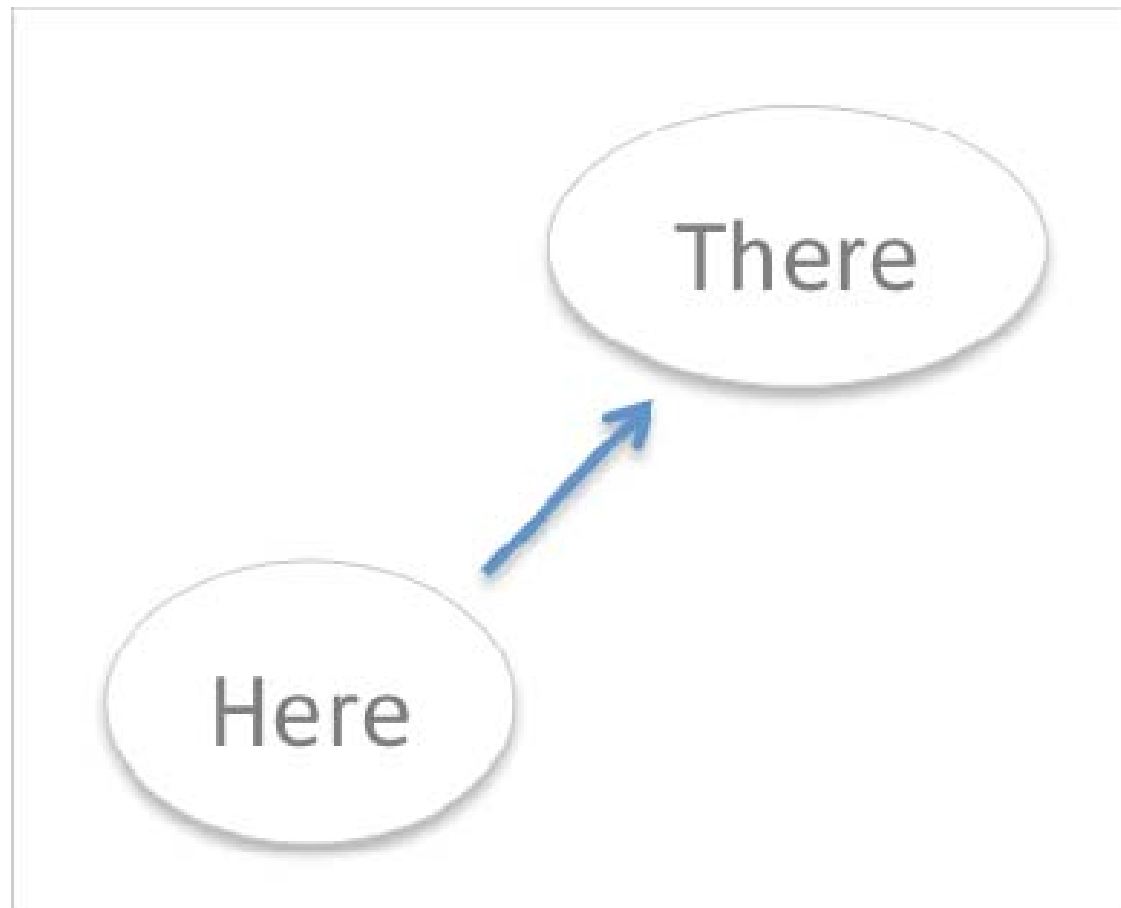
- Apprentices can now apply online
- EO Live Chat was recognized with a Silver IPAC Award
- 3,000 public files were made AODA compliant



**Transformed employment  
programs and services**

- Apprenticeship completion
- Local Employment Planning Councils
- Ontario Centre for Workforce Innovation
- New Youth Programming







gettyimages.com  
“Innovation distinguishes  
between a leader  
and a follower.”

*Our job is to figure out what they're going to  
want before they do.*

*People don't know what they want until you  
show it to them.*



What Must  
Happen

Change must be supported  
from the **top**

Remove the rule book of  
**“cannots.”**

Replace with a  
**“can-do”**  
attitude.

Don't wait for the perfect time.  
***Just do it.***

Support a culture of  
smart ***risk taking.***

<b>Values of Innovation</b>	<b>Values of Production</b>
1. Openness	1. Excellence
2. Diversity	2. Loyalty
3. Serendipity	3. Dependability
4. Fairness	4. Success
5. Experimentation	5. Quality
6. Play	6. Precision
7. Giving	7. Reciprocity
<b>Living in the Rainforest</b>	<b>Living on the Farm</b>



Established in 2011, the Ontario Council on Articulation and Transfer (ONCAT) was created to enhance student pathways and reduce barriers for students looking to transfer among Ontario's 45 publicly funded postsecondary institutions.

How should the work of ONCAT play a part in the University and College Funding Formula Reviews?