



# Association of Canadian Community Colleges (ACCC)



## ***Colleges, Institutes & Polytechnics – Responding to Economic Changes and Industry Needs***

**Denise Amyot, President and CEO**

**5th PRC-ADB Knowledge Sharing Platform  
Sustainable Vocational Training towards Industrial Upgrading  
and Economic Transformation  
December 2-5, 2013**

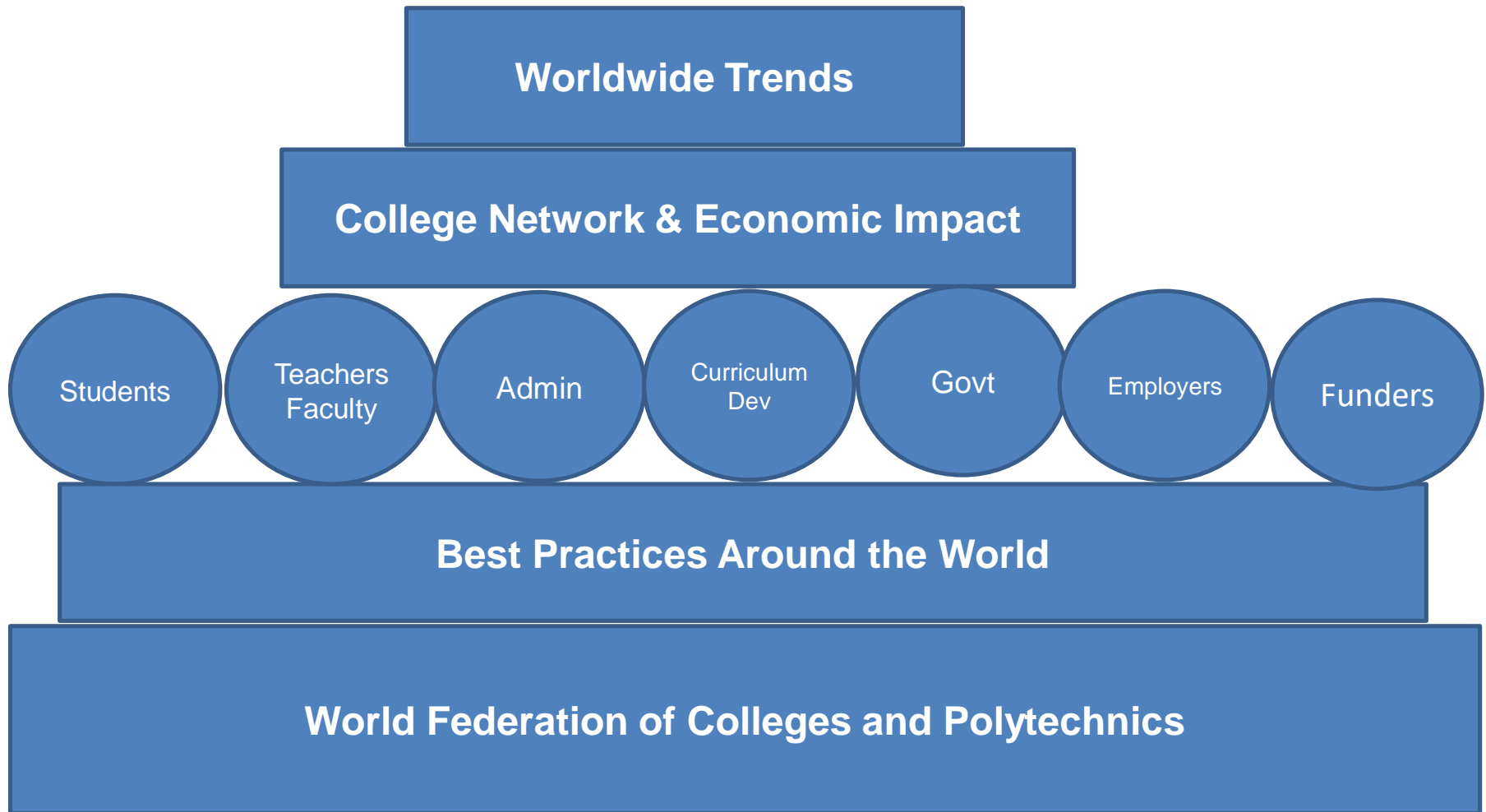
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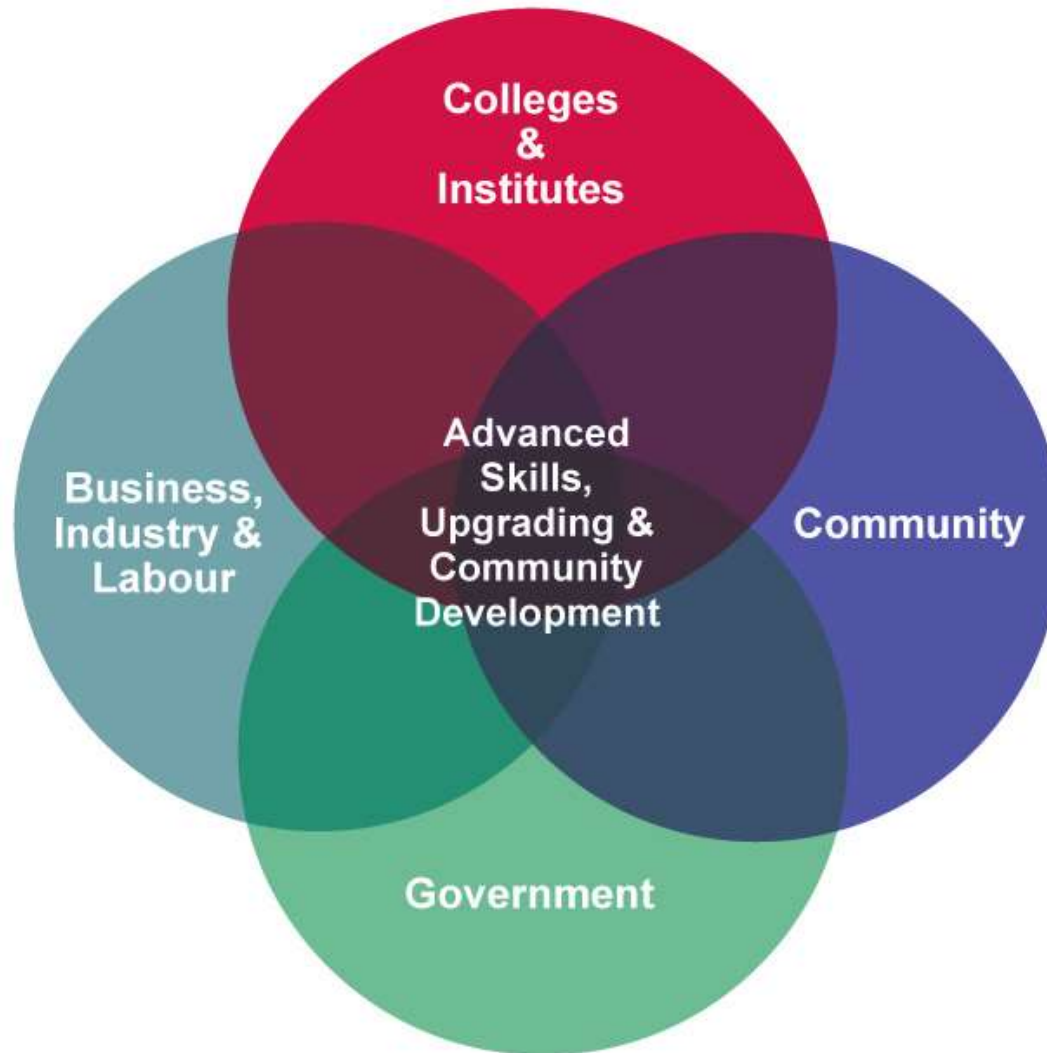
# 1. Worldwide Trends

- Skills gaps & shortages (35% difficulty)
- Youth unemployment
- Most new jobs require post-secondary education
- Essential skills in the workplace
- Up-skilling of existing workforce





## 2. College & Institutes Network





## 2.1 Economic Impact of Colleges & their Graduates

### 2008 Economic Impact Study

**Students Return on Investment** — for every \$1 students invest, they receive a cumulative value of \$4.33 in higher future earnings.

**Taxpayers** — a return of 15.9% on their annual investments in colleges and recover all investments in 8.7 years.

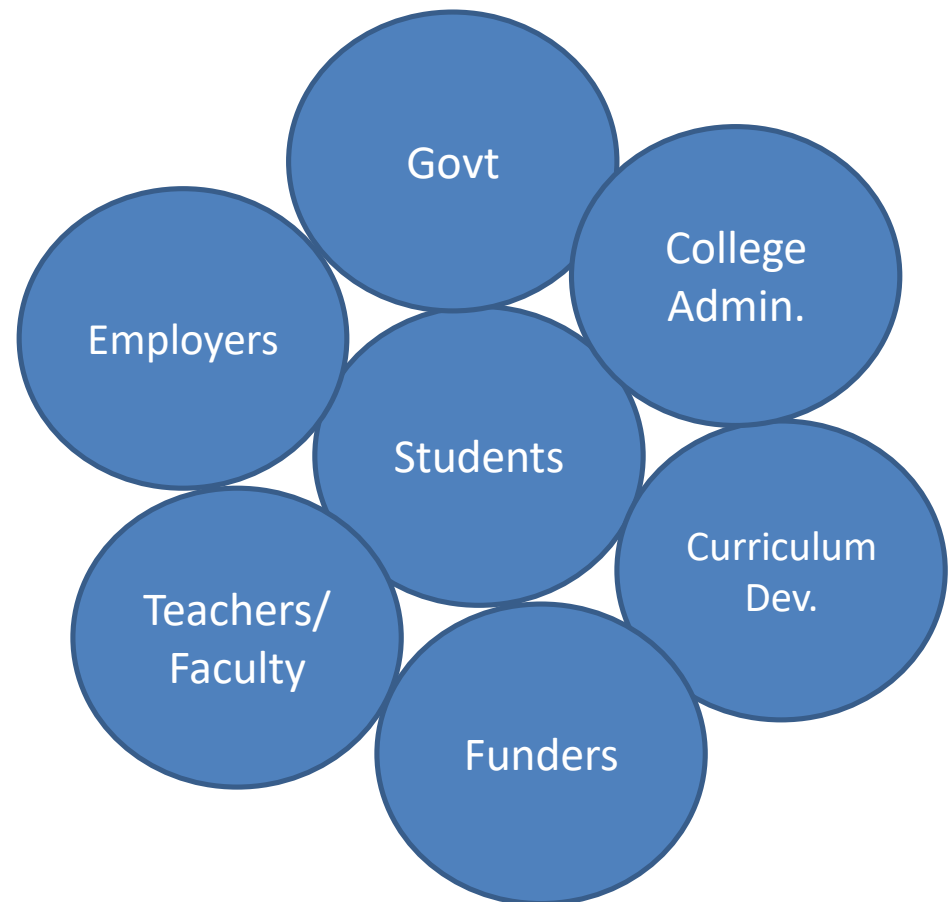
**Colleges' contribution to Canada's economy** — annually \$123.2 billion to total income in Canada's economy from college operations and past student productivity.





### 3. Involvement of Many Actors

1. Students
2. Teachers/Faculty
3. College Administrators
4. Curriculum Developers
5. Governments
6. Employers
7. Funders

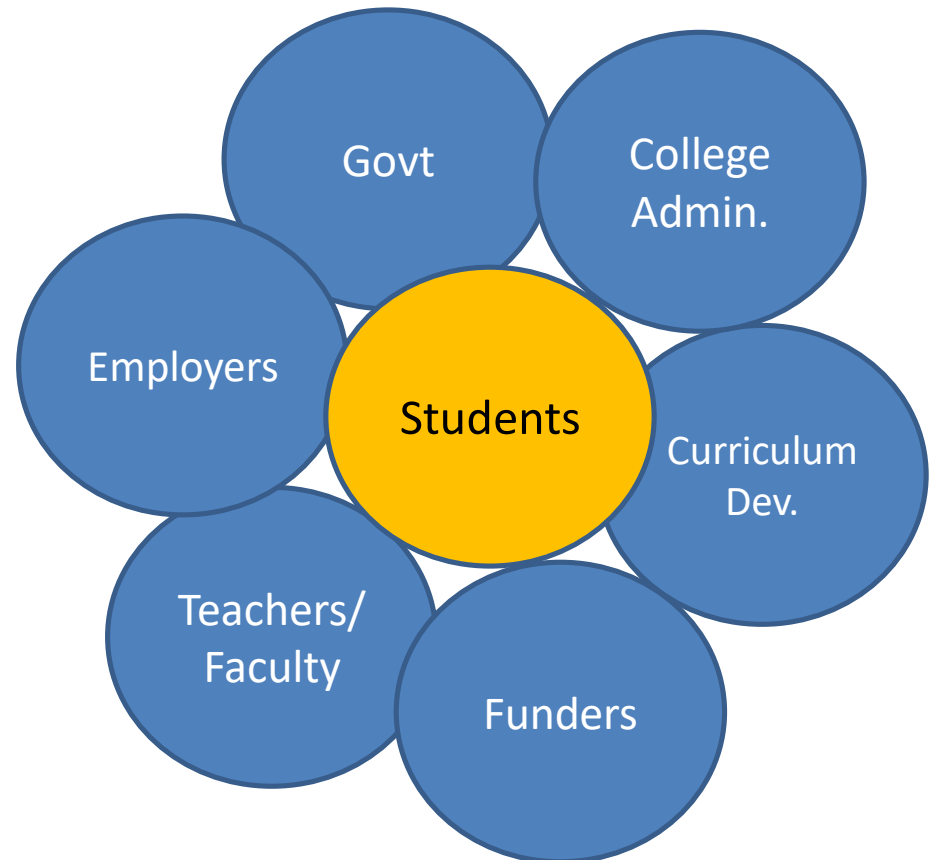




## 3. 1 Involvement of Many Actors

Students:

- Need for global experience
- Entrepreneurial spirit
- Experience in business incubators
- Involvement in applied research

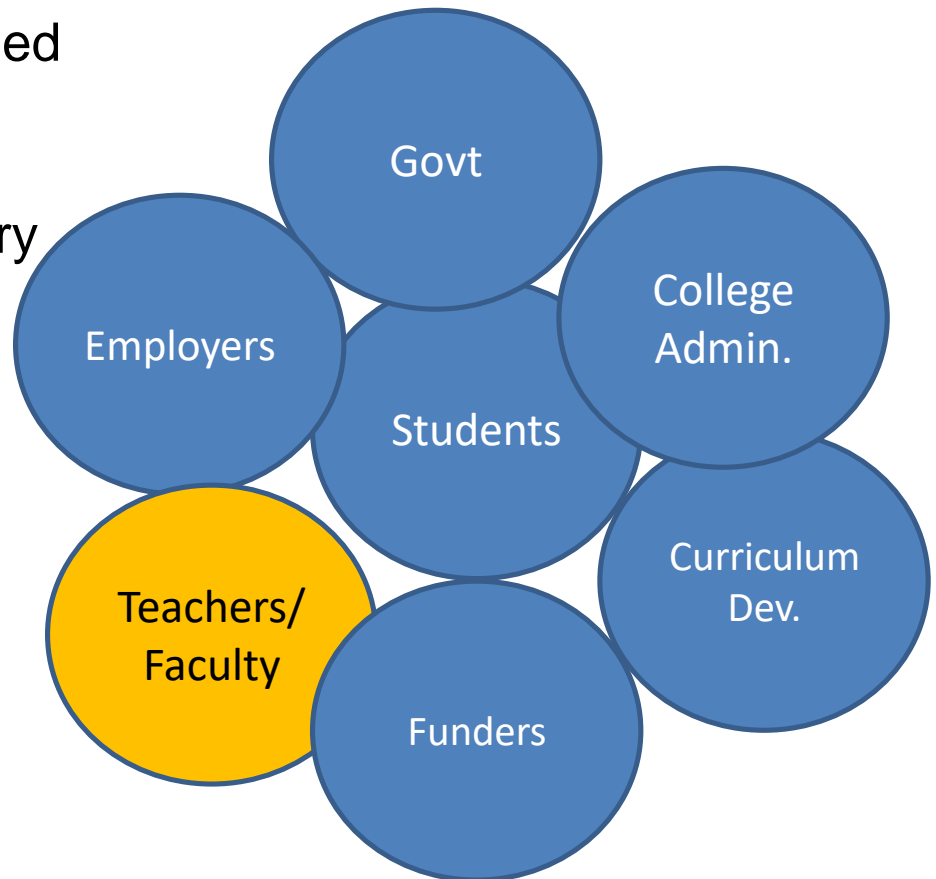




## 3.2 Involvement of Many Actors

### Teachers/Faculty:

- Learning to teach in an applied way
- Learning to work with industry
- Integrating applied research in curriculum
- Upgrading skills regularly
- Ensure students have essential skills



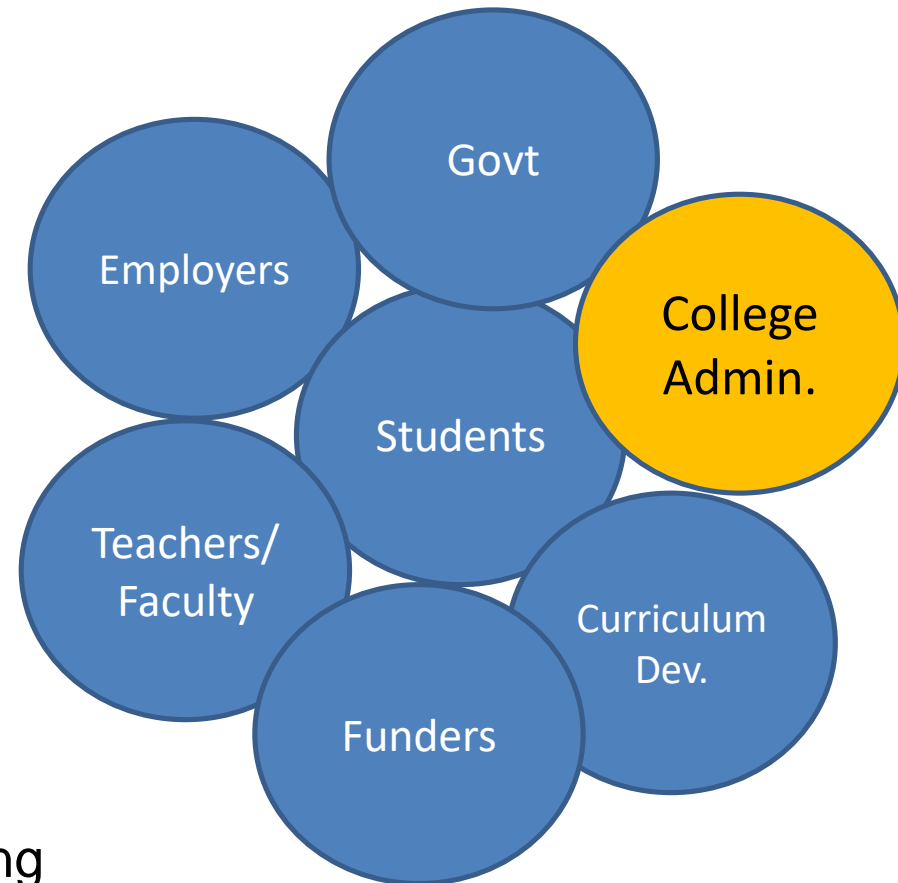




## 3.3 Involvement of Many Actors

### Administrators:

- Leadership in community
- Advocate for flexible policies
- Dispel myths
- Entrepreneurial
- Governance approach
- Using facilities as labs
- Diversifying sources of funding

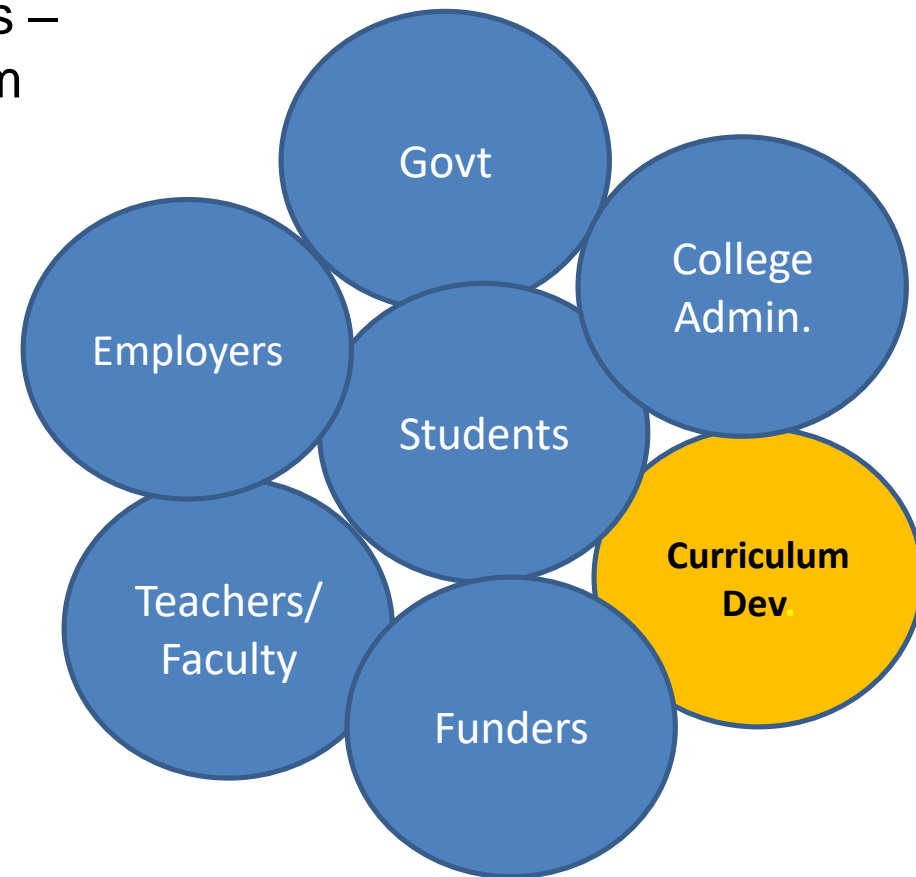




## 3.4 Involvement of Many Actors

### Curriculum Developers:

- Program Advisory Committees – update and develop curriculum
- Leading edge equipment
- Following new developments
- On-line learning
- Transferability

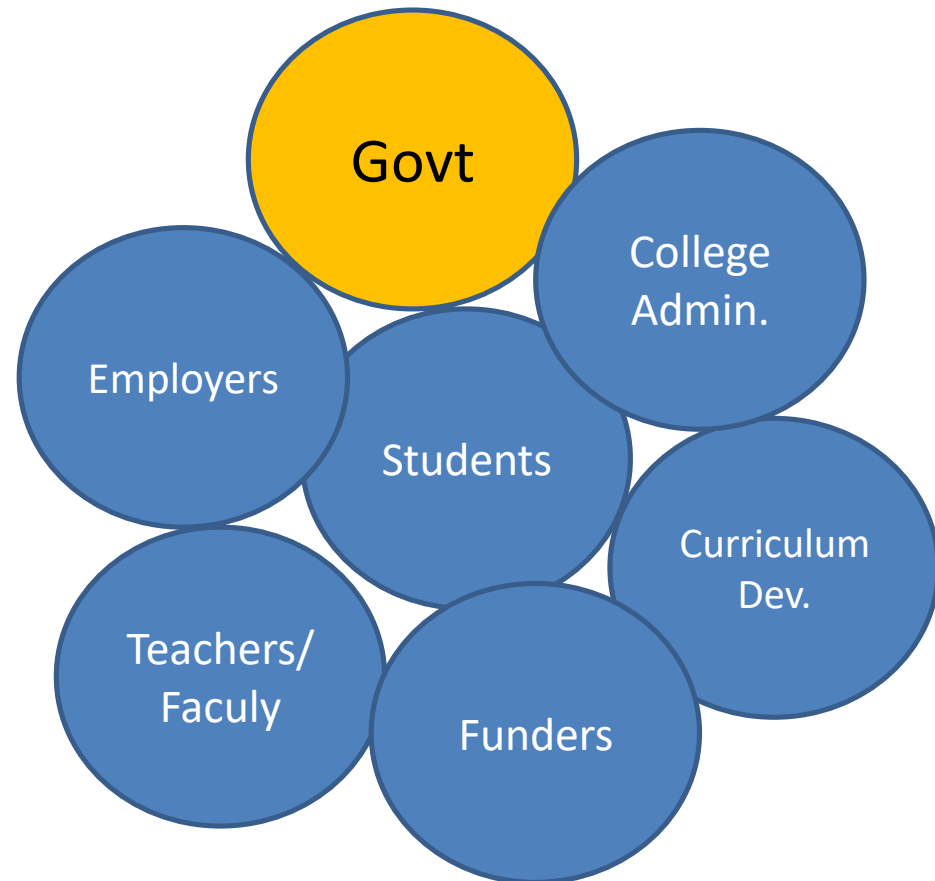




## 3.5 Involvement of Many Actors

### Governments:

- Scholarships for vocational education
- Invest more in public funding
- Adjust to new needs
- Enable colleges to offer Bachelor degrees
- Emphasis on results

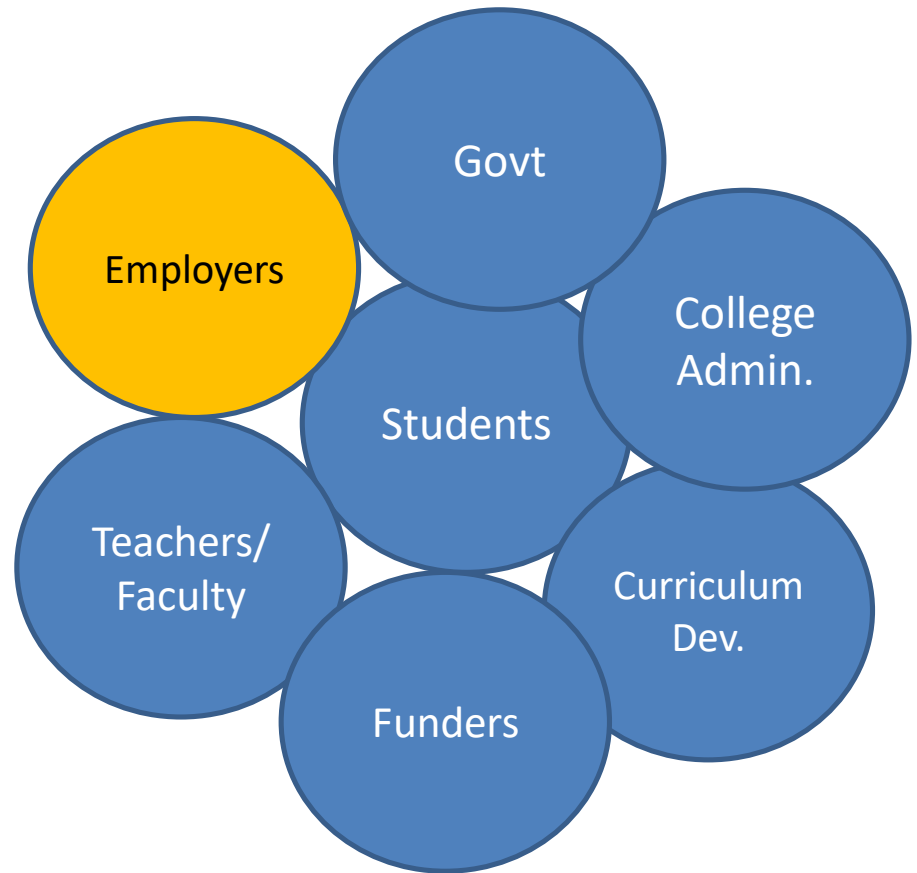




## 3.6 Involvement of Many Actors

### Employers:

- Identify skills needs
- Partner with post-secondary institutions
- Up-skill employees
- Provide student internships

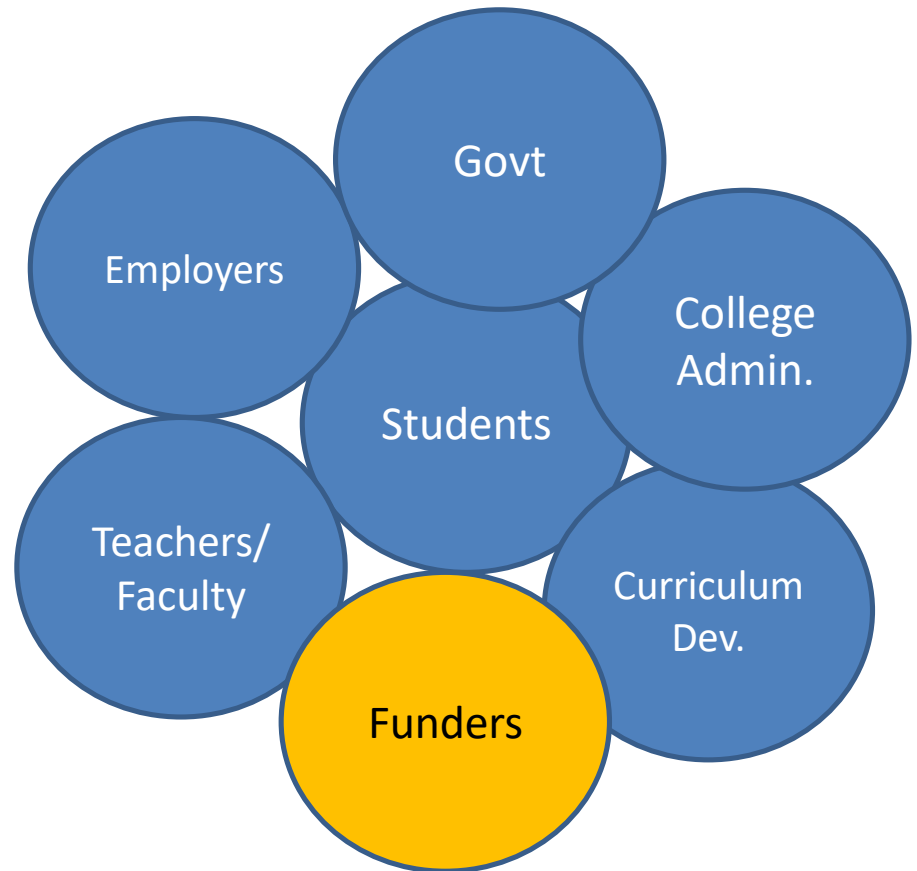




## 3.7 Funders

Funders:

- Applied Research
- Comparative Studies
- Pilot initiatives
- Scholarships





## 4. Best Practices: Strategies

- Training and development of existing employees
- New recruitment strategies
- Attracting under-represented groups
- Research and development investments
- Diversified training investments





## 4. 1 Best Practices: Sharing

Colleges, institutes, polytechnics working together:

- College to college
- College to universities
- Within countries
- Across borders





## 4.2 Best Practices

In Canada:

- Applied research involving students
- One-year postgraduate programs
- 4 year degree programs
- Targeted programs for disadvantaged groups
- Essential skills across curriculum



Skills for  
Success

Association  
of Canadian  
Community  
Colleges





## 4.3 Best Practices (Canada)

### **ACCC National Framework for Developing Essential Skills:**



Skills for  
Success

Association  
of Canadian  
Community  
Colleges

### **Findings of 17 pilot projects across Canada:**

- 40-67% of learners and workers tested were below level 3 literacy

### **Findings after 24-40 hours of ES training + individual coaching (post tests at exit and 6 months after):**

- Sustained learning gains for students whose initial training is followed with application & practice
- Increased motivation, better marks and perseverance in studies

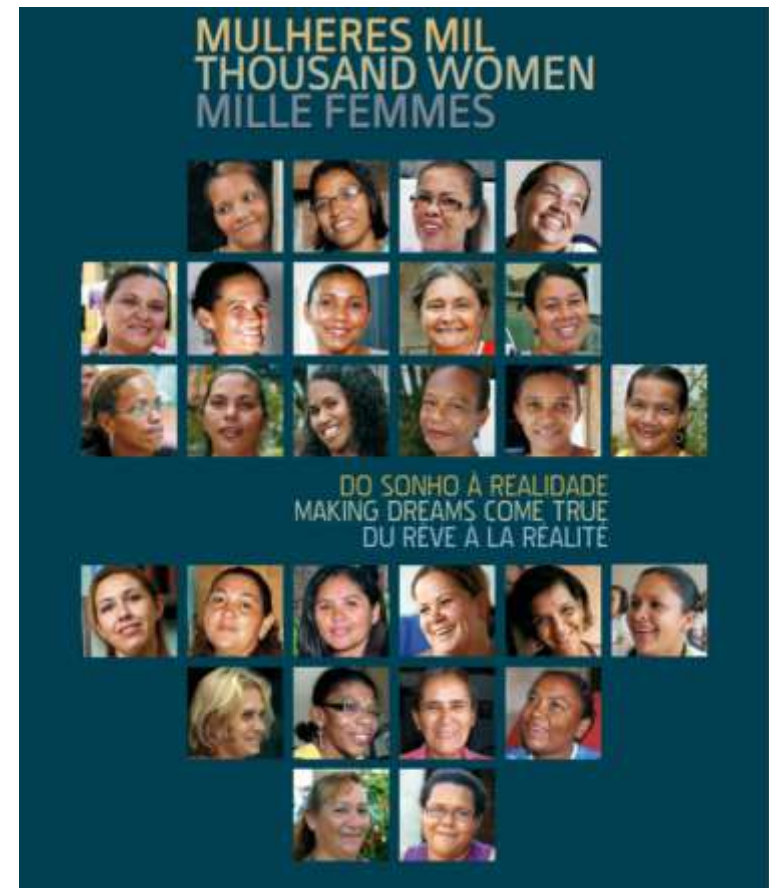




## 4.4 Best Practices

In Brazil:

- Engage all groups-  
Thousand Women Project
- Focus on science and technology –  
Science Without Borders





## 5. World Federation of Colleges and Polytechnics (WFCP)

- International network of institutes of applied higher education in 45 countries so far
- Exchange of experiences and resources
- Promotes international collaboration on priority issues





## 5.1 WFCP Members Worldwide



Visit : <http://wfcip.org/>

Contact : [Secretariat@wfcip.org](mailto:Secretariat@wfcip.org)



## 5.2 Future WFCP International Events and Activities

### **WORLD CONGRESSES:**

2014 WFCP Congress - Beijing

2016 WFCP Congress - Rio de Janeiro, Brazil







At the end of the day...

***We educate youth for jobs of today  
and  
for jobs that do not yet exist.***





# Contacts



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