

3c. Create research-linked and job-linked academic programs to foster entrepreneurship, and the creation of technology and intellectual property drivers, drawing particularly on knowledge and experience in bridging the liberal arts to management, law, engineering, and the physical and life sciences. Design programs and build creative, co-operative educational and research opportunities in partnership with the private sector (U) (I).

Why?

- There is an insufficient supply of intellectual property and technology managers, and universities are not yet launching programs to effectively bridge this gap

3d. Grow a range of Access to Excellence programs of university outreach especially to primary and secondary schools and to the very young; build special bridges between universities, schools, and science outreach organizations, including Science North, and the world-renowned Ontario Science Centre; link to those communities and neighbourhoods with high drop-out / academic failure rates (All).

Why?

- A university education has great value to the individual, their workplace, and to the economic and social advancement of the Province and its sub-regions. Science, arts and innovation outreach draw on the research expertise and enthusiasm of university faculty, students and staff and foster interest and confidence on the part of young people

- Enhance access to excellence and the important university service roles demonstrated to be of benefit in Ontario and in other jurisdictions
- Build science awareness and innovation literacy as an important part of Ontario culture

3e. Create university outreach partnerships to foster community science, arts and design research competitions at the primary and secondary school levels, in collaboration with schools, community organizations and the private sector (All).

Why?

- Entrepreneurship and the qualities of excellence, daring and initiative that lead to innovation must be seeded early in young people in order to create and grow an innovation culture
- Productive, innovative jurisdictions build broad societal benefits in economic and social terms and prepare the citizens to operate successfully in the global knowledge society

4 FOSTER LOCAL, NATIONAL AND GLOBAL INNOVATION NETWORKS AND GLOBAL PROFILE

All Partners: *Government of Ontario (P), Government of Canada (F), Municipal Government (M), Universities (U), Community Colleges and Schools (S), Industry (I), Businesses (B), Communities (C), Leaders (L), Others (O) and All Partners (All).*

4a. Develop international benchmarks and standards of excellence. Develop and implement in collaboration strategic plans and networks to attract internationally significant research programs, institutes and facilities to Ontario, to capitalize on Ontario's areas of special research competitiveness and to build advantage in federal, private sector and international competitions—e.g. facilities and institutes in Genomics, Bioinformatics, Proteomics and Imaging; institutes and facilities to contribute to the “Automobile of the 21st Century”, “Aerospace Studies”, “Transportation for the 21st Century”, “Advanced Materials”, “Robotics”, “Human Development”, and “Public Policy”, among others (All).

Why?

- Excellent facilities support university research competitiveness and progress while serving as a magnet for superb talent and investment. National and international university research infrastructure advances Ontario's competitive research advantage. Ontario has world-class competitiveness in the fields that would be supported by such facilities; for example, Ontario has contributed to the identification of approximately 25% of the human disease genes identified worldwide

4b. Enhance investments in Ontario-based world-class national university research institutes to increase the benefits to Ontario of the innovation capacity of these elite research institutes, for example, the Canadian Institute for Advanced Research (CIAR) and the Fields Institute for Research in Mathematical Sciences (the Fields Institute), on a matched basis to new resources

generated from other partners (P) (U) (I) (O).

Why?

- The CIAR and the Fields Institute both contribute to Ontario's knowledge, talent, and global networks. Each attracts investment and private and public sector innovation partners across an array of significant research fields. These fields include among others: mathematics, physics, finance, investment, risk management, economic growth and policy, population health, human development, superconductivity, advanced materials, cosmology and gravity, earth system evolution, evolutionary biology, computer science, and nanotechnology, and provide access to national and international research networks. Increasing Ontario's investment on a matched basis should increase the flow of benefits to Ontario, capitalizing on a distinctive advantage in relation to these institutes and further developing our own knowledge creation, talent, private sector partners and university research and teaching programs in these important areas

4c. Universities to set targets by institution and develop inter-institutional agreements with peer international universities and other organizations in support of international student mobility to provide students with opportunities to experience some portion of their studies abroad. Universities will guarantee the match in their applications to this program (U) (O).

Why?

- International alliances and investment depend on profile, participation in international networks, awareness of high-performing potential partners and the

creation of international opportunities to collaborate in research, education and entrepreneurship

4d. Universities to set targets for recruiting the very best international graduate and undergraduate students to learning and discovery experiences in Ontario (U).

Why?

- Create a global orientation for Ontarians
- Enhance the Province's attractiveness in the global economy

4e. Create a new Global Networks Ontario (GNO) program in the amount of \$5M annually to be matched 1:1 to create a \$10M annual fund to support strategic, undergraduate and graduate student "study abroad" programs in targeted jurisdictions with strong potential trade ties to Ontario's innovation sectors (All).

Why?

- GNO would increase global awareness, global ties and global profile for our people, industries, research and communities and increase innovation capacity
- GNO would participate in and promote collaborative global marketing that includes the three key innovation sectors: industry, universities and government along with other leaders and communities

4f. Collaborate in international marketing of Ontario's distinctive research and innovation capacity across sectors including universities, government, the private sector and leaders (All).

Why?

- To increase the impact, effectiveness and contributions of international marketing to advancing Ontario's international profile and opportunities in the Global Knowledge Society



CELEBRATE OUR PEOPLE, ACHIEVEMENTS AND SUCCESS

All Partners: *Government of Ontario (P), Government of Canada (F), Municipal Government (M), Universities (U), Community Colleges and Schools (S), Industry (I), Businesses (B), Communities (C), Leaders (L), Others (O) and All Partners (All).*

5a. Create more high profile opportunities to recognize and celebrate a range of innovations, people, and successes—from leading edge knowledge and technologies to excellence in design, culture and the arts, the sciences and professions; and enshrine celebratory awards and events in the calendars of leaders from municipal, provincial and federal governments and those of universities, industry and other partners. Create a "winners and winners" culture. Build local, national and international recognition and profile through media and in international ranking programs.

Why?

- To reward success and to develop, retain and attract talent
- To contribute to a university research, science and innovation culture in Ontario
- To position Ontario and Canada as champions