



Ontario Centres of
Excellence

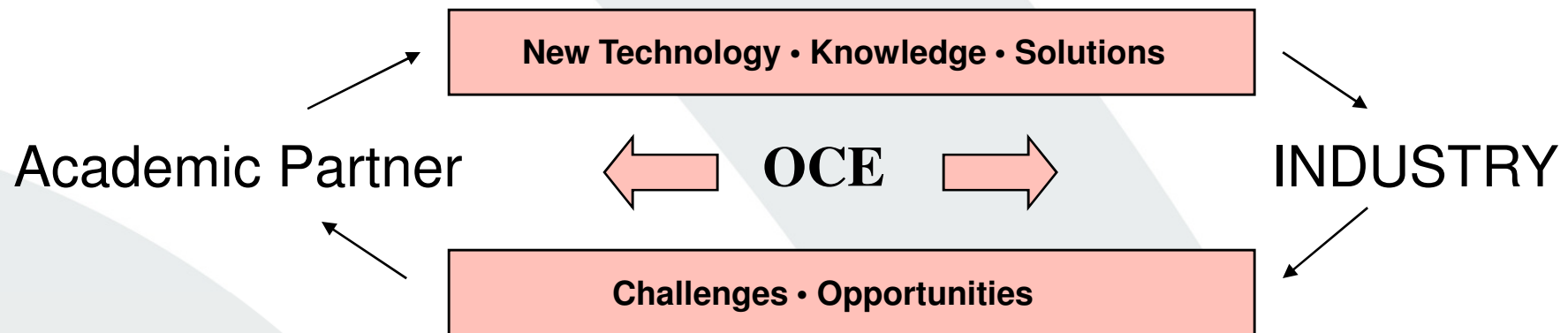
- 1. Materials and Manufacturing**
- 2. Energy**
- 3. Photonics**
- 4. Earth and Environmental Technologies**
- 5. Communications and Information Technology**

May 29, 2008

ISCM Workshop: SLASHING YOUR COST OF R&D
OCE Funding – Investing in Technology Injection



Mission



- Bridge the gap between university research and the needs of Ontario industry
- Commercialize technology and knowledge created through research
- Achieve wealth creation and job growth.



Materials and Manufacturing

Automotive
Chemical
Polymers
Nanotechnology
Metals
Biomedical
Manufacturing Processes

Energy

Energy Markets
Market Dynamics
Human Response
Energy Systems
Bundling Technologies
Emerging Energy
Technologies
Development of Skilled
People

Photonics

High Intensity Laser
Nanotechnology
Laser Processing
Biophotonics
Fibre Optic Applications

Communications and Information Technology

Communications
Digital Media
Information Technology
Medical Devices

Earth and Environmental Technologies

Clean Water Technologies
Sustainable Energy Solutions
Sustainable Infrastructure
Resource Management
Sustainable Agriculture and Agri-Food



1. Research

→ Interact

- New Industry-Academia relationships
- OCE funds to a maximum of \$13,500 incl. OH (~3-6 mths duration)
- Company contribution 1:1 cash and in-kind
- Approval by (a) Centre Managing Director, (b) RIC

Proof of Concept (feasibility; proof of principle; mitigate risk on further R&D)

- OCE funds up to \$25,000 incl. OH (~3-12 mths duration)
- Fundamental, enabling research
- Approval by (a) Centre + other Ctr., (b) Peer review 2A + 2I, (c) RIC

Champions of Innovation (fund. R&D; disruptive tech.; may lead to new co.)

- OCE funds up to \$100,000 (typically \$50,000) x up to 3 terms of 12mths
- Requires private sector endorsement
- Require business case review by OCE Commercialization Team

→ Collaborative

- OCE funds to a maximum of \$200,000/yr incl. OH x up to 3 yrs
- Company contribution 1:1
- Approval by (a) Centre Managing Director + other Ctr., (b) Peer review 2A + 2I, (c) RIC



2. Talent

→ First Job

- **OCE funds 50% of salary up to \$40k unless start-up then \$50k**

→ Connections

- **Final year undergraduate teams + Industry partner**
- **Project defined by industry but selected by team/academia**
- **OCE funds up to \$3000 + Company funds same**



3. Commercialization

Market Readiness Program

- OCE funds 10K-100K to assist university technology to bridge gaps to commercialization

IAF Program

- Up to \$500K convertible debenture for new start ups



Ontario Tax Advantages

		Ontario Investment Tax Credit	SR&ED Tax Credit	Cheques back from credits	Net Cost to Company
Industry Cash	\$ 2,000	\$ (200)	\$ (630)	\$ 830	\$ 1,170
Industry In-Kind	\$ 13,000	\$ (2,145)	\$ (6,757)	\$ 8,902	\$ 4,098
OCE Cash	\$ 13,000				
Project Value	\$ 28,000			\$ 9,732	\$ 5,268

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Intellectual Property – IP

(patents, trademarks, copyright)



- **Existing IP respected**
- **If IP created:**
 - **University or researcher owns it (because University is inventor and taxpayer is co-funder)**
 - **Negotiates with Industry co-funder for preferred benefits, (e.g. non-exclusive, royalty-free; non-exclusive, 3 year head-start)**
- **Research Collaboration Agreement (RCA) applies in the event that IP is created, else agreement can be modified to suit parties before work begins.**
- **OCE has no interest in IP**
- **University may decide to license technology to your competitor but industry co-funder obtains preferred benefits**
- **For jointly created IP, normal legal rules apply**



Process

