



# FLC - International Issues



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# What is AUTM?

- The professional association that brings together 3500 technology transfer professionals in more than 30 countries to define, develop and promote leadership excellence in academic technology transfer
  - 66% are employed in academic technology transfer offices. 33% are in corporations, service businesses or government.
  - 80% reside in the US, 9% in Canada and 11% in other countries.
  - 2050 attendees at AGM in San Fran from 36 countries

# What do we do ?

We impact the economy by partnering with the private sector to develop products that save lives, improve the quality of life and increase productivity and competitiveness.

# Purpose of Bayh-Dole Act

- Created to specify with certainty, the ownership of inventions from federally funded research in universities and small businesses.
- Created to provide incentives and responsibility for commercialization.
- Created as a Job Creation Act and an Economic Development Act.
- Insisted on manufacturing in the USA.

# Outputs: Growing volume of US academic technology transfer

- \$41 billion in US R&D expenditures (FY'05);
- 4,932 new licenses;
- 28,349 current active licenses;
- 527 new products introduced in the market;
- 3,641 new product introductions in last 8 years
- 628 new spinout companies;
- 5,171 new spinouts since 1980.

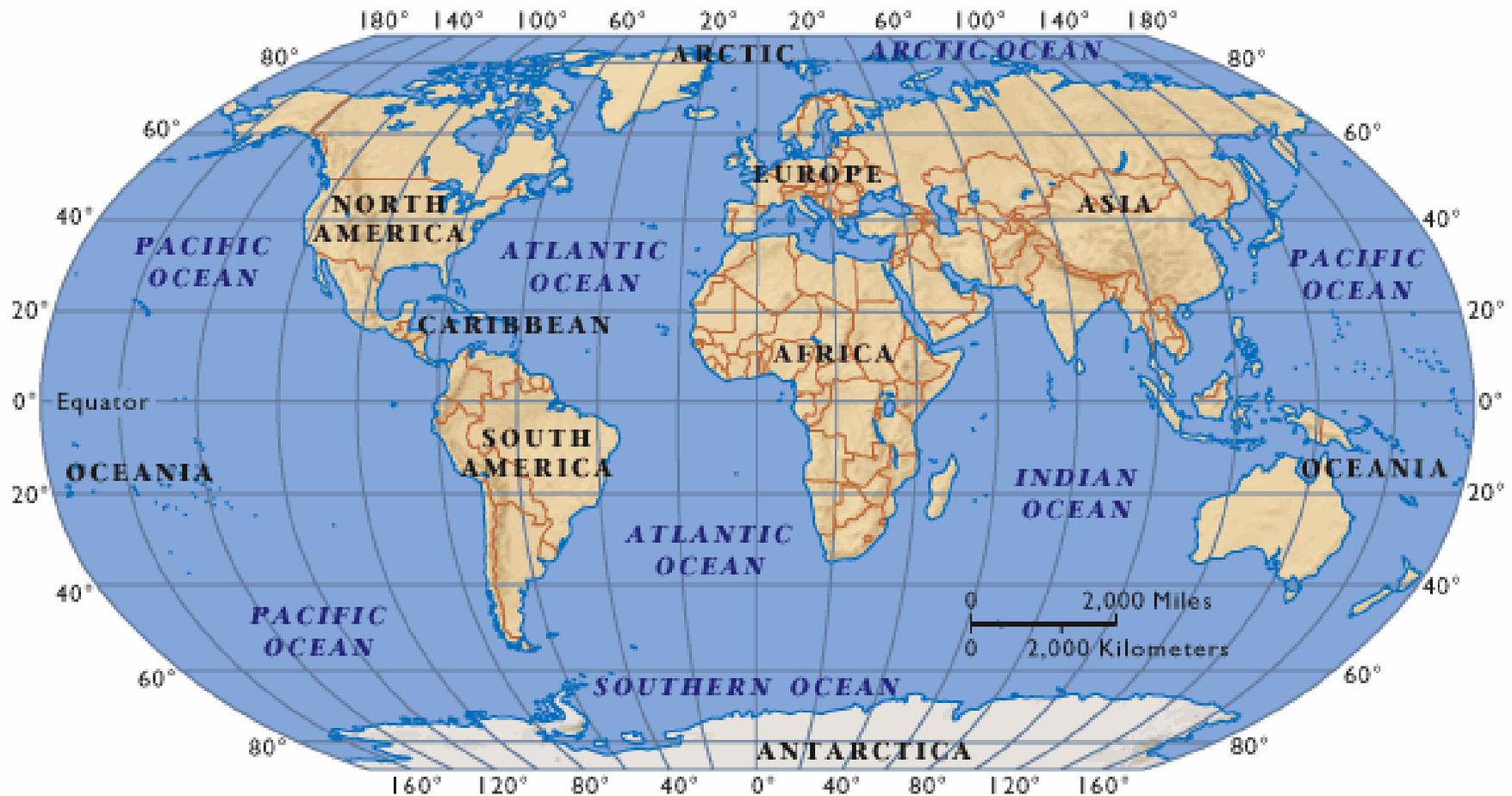
# New Metrics

- Recognition that technology transfer is part of the core mission of the academic institution.
- Its impact is beyond the traditional AUTM metrics.
- Its external impact is to society – outcomes - in lives saved, patients with improved quality of life and increasing industrial productivity

# New, New, New

- AUTM practitioners are reaching out to academic scholars to research our field;
- In the Public Interest: Nine Points to Consider in Licensing University Technology (Chronicle of Higher Education – Mar 7/07);
- New Metrics: (outside TTO, internal Univ; outside Univ, community based);
- Embracing our role in local economic development;
- Preliminary results of publicly funded research inventing a molecule now a FDA approved drug.

# The World



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# International Issues

- 10 years ago, everyone came to the US to see what was happening in academic technology transfer.
- Nowadays,
  - this is less so and,
  - several countries are further advanced in their operations in certain areas than is the US, particularly in the economic development area.

# International

- US, Canada, UK.
- Japan, Australia, EU, Singapore, Taiwan.
- India, China, rest of World

# International

- Canada – no B-D Act; mixture of internal academic ownership; direct funds for TTO's, prototypes; early stage VC funds
- Japan – Bayh-Dole like Act, 1000 start-ups per year
- UK – no B-D Act; direct funds for TTO's, prototypes, early stage VC funds from government and public
- EU – mixture of internal academic ownership, government support and volume of deals

# Nine Points to Consider

- Worth reviewing from federal lab viewpoint:  
Chronicle article -  
<http://chronicle.com/weekly/v53/i28/28a03502.htm>
- Point #9 – Consider including provisions that address unmet needs, such as those of neglected patient populations or geographic areas, giving particular attention to improved therapeutics, diagnostics and agricultural technologies for the developing world

# AUTM's Better World Project

- Telling the story of the outcomes of technology transfer in *human terms*
- An e-database of stories from Canada, the US, the UK, Netherland, Japan.
- Two publication (and e-versions) with stories highlighting social and economic impact
- Of the 125 stories, 20% Plus were products developed by university licensed start-up companies.
- Anecdotal evidence to supplement our Licensing data.

Why is AUTM doing this?

**To communicate the value  
of academic technology  
transfer**

More information:

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