

News Edition

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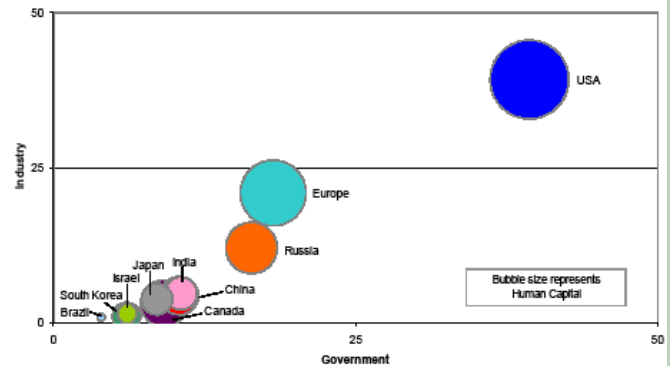
New Reports Survey World Space Activity

(SUPERIOR, COLORADO) The state of global space activity and international competitiveness has been assessed by two newly issued reports: *The Space Report 2008: The Authoritative Guide to Global Space Activity*, released by the Space Foundation and the *2008 Space Competitiveness Index* issued by the Futron Corporation. Serving on the peer review panel for the newly issued Space Foundation report was Secure World Foundation Executive Director, Ray Williamson.

Both studies provide an informative backdrop that catalogs growth in civil, military and commercial space arenas.

A major finding of Futron's inaugural *2008 Space Competitiveness Index* concerns U.S. space leadership, a competency that is increasingly challenged. The Index points out that advantages the U.S. has historically enjoyed in all three major dimensions of space competitiveness—government, human capital, and industry—are being narrowed by a robust Europe, a resurgent Russia, an emerging China and India, a steady Japan, and by the continued investment of smaller participants, such as Brazil, Canada, Israel, and South Korea in space policy, space expertise and space infrastructure.

Overall, however, the U.S. spends more money—both military and civilian dollars—on space capabilities, an investment that is skewed toward military budgets, the Index notes. Increasingly, “military space is both dependent on and interwoven with civilian and commercial operations, systems, and assets, adding a new layer of complexity to governmental decision-making, national industrial policy, and participation of the private sector within the space sector,” explains an executive summary of the Futron study.

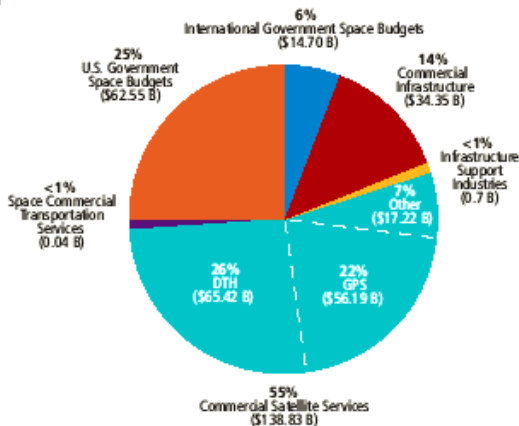


2008 Space Competitiveness Index country comparison.
Source: Futron Corporation.

The Space Foundation's *Space Report 2008: The Authoritative Guide to Global Space Activity* pegs the global space economy in 2007 at \$251.16 billion. That worldwide total of space industry budgets and revenues represents a single-year increase of 11 percent from 2006, the Space Foundation's study reports.

A finding of the report is that U.S. space industry employment is growing and that the average annual wage within the industry is more than double the broader private sector average wage. In 2006, U.S. space industry workers were paid an average annual wage of \$88,200 versus \$42,400 for average private sector employees.

The Space Report 2008 also spotlights satellite-based products and services and U.S. government spending on space, finding that they again comprise the two largest segments of the space industry at 55 percent and 25 percent of total revenues, respectively. Direct-to-home television and Global Positioning System satellite equipment and chipsets—found to be the two largest sub-segments of the commercial space industry—also posted the strongest growth numbers in 2007, with 19 percent and 20 percent increases, respectively.



Global space activity in 2007 reached \$251.16 billion.
Source: Space Foundation.

On a global outlook, the Space Foundation guide notes:

- ◆ Government space activity, while growing at a more gradual pace than commercial space activity, is no longer limited to programs run by a few superpowers;
- ◆ The shift from government being the primary source of funds for space research toward private investment has become pronounced over the past decade;
- ◆ If current trends continue, the commercial space sector will continue to grow in comparison to government space exploration and operations – potentially becoming the most important driver of overall space activities.

For further information on these two studies and all of their findings, go to www.TheSpaceReport.org and www.futron.com.

www.SecureWorldFoundation.org

Ben Baseley-Walker New Co-Chairman of Space Generation Advisory Council



(WASHINGTON, DC) On April 14th, 2008 the Executive Council of the Space Generation Advisory Council elected Ben Baseley-Walker of the United Kingdom as its new co-chairman. Ben is currently a consultant supporting the Secure World Foundation with its work on space traffic management and international outreach. A British national, Ben has worked in the policy and legal fields in a variety of settings and countries including Chile, Kenya, Ethiopia and the Netherlands. From 2006 to 2007 he lived in Kenya working for the United Nations and the Kenyan Government. Ben is an alumnus of the University of Edinburgh and the Universiteit van Amsterdam from which he earned a graduate degree in politics and a master of law degree in international and European law. He is also a 2007 graduate of the International Space University Space Studies Program.

Brian Weeden to Attend NATO Space Workshop



(MONTREAL, QUEBEC) Brian Weeden, who is working with the Secure World Foundation on space traffic management and military space affairs, is heading to Germany this month to attend a space policy workshop conducted by the North Atlantic Treaty Organization (NATO). Brian's objective is to understand NATO's thinking regarding its future space capability and operations, foster a positive SWF image on technical knowledge by contributing his expertise in space operations and establish SWF as an information source with NATO and the European Space Agency (ESA) for future space discussions. Brian also hopes to establish contacts within the NATO military space community and get a good overview of what is happening at the European Space Operations Centre (ESOC), primarily in the space surveillance and space situational awareness arena. Next month's Newsletter will feature a post-trip report from Brian.

Space Security Index: Your Views Wanted

You are invited to participate in the 2008 Space Security E-consultation, a tool to pulse experts in the civil, commercial, policy and military space sectors from a range of spacefaring countries.

To facilitate this consultation, Briefing Notes for eight indicators of space security have been created. The Briefing Notes provide summaries of key trends and events associated with each indicator.

This consultation asks you to review the sections that relate to your expertise or interest and critically assess the research, providing comments or contributions, as well as provide your views on the impacts of these events on space security.

The Briefing Notes represent a work in progress. Your responses will be used to revise the research on 2007 events and to assess their impacts on space security for the publication Space Security 2008.

All responses and comments are anonymous.

Jessica West is Program Manager for the *Space Security Index* and a Program Associate with Project Ploughshares, based in Waterloo, Ontario. For more information, contact: jwest@ploughshares.ca. SWF is pleased to be working with the *Space Security Index*. To take part, the on-line consultation is accessible at: www.spacesecurity.org/survey/.

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Tektites: Space Policy News Bits

The Project on Reconsidering the Rules of Space is under the wing of the American Academy of Arts and Sciences. The project has made available several important resources regarding China's space skills, and that country's anti-satellite test in 2007.

These reports were produced as part of the Academy's Project on Reconsidering the Rules of Space led by Academy Fellow John D. Steinbruner, professor of public policy and director of the Center for International and Security Studies at the University of Maryland. All of the studies are written for a lay reader and provide a historic, political and technical context for major policy issues affecting the commercial, military and scientific uses of space.

Online access to these reports:

- ◆ *Chinese Perspectives on Space Weapons* by Hui Zhang, January 2007, is available at: <http://www.amacad.org/hui3.pdf>.
- ◆ *The Physics of Space Security* by David Wright, Laura Grego and Lisbeth Gronlund, May 2005, can be viewed at: <http://www.amacad.org/publications/rulesSpace.aspx>.
- ◆ *United States Space Policy: Challenges and Opportunities* by George Abbey and Neal Lane, June 2005, is available at: <http://www.amacad.org/publications/spacePolicy.aspx>.

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Secure World Foundation

314 West Charles Street
Superior, CO 80027-9622

tel 303.554.1560
fax 303.554.1562
email info@swfound.org

www.SecureWorldFoundation.org

Next Issue Highlights:
**Space Security Index, Space
Futures Workshop and
NATO space**