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# National Geospatial Advisory Committee

## *Workforce Development Subcommittee Update*

June 22<sup>nd</sup> and 23<sup>rd</sup>, 2010

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### **Subcommittee Members**

Sean Ahearn (Co-chair)

Sophia Beym

Dave DiSera (Co-chair)

Kass Green

Randy Johnson

Matt O'Connell

Steve Wallach

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# Sub-committee Purpose

- “Provide recommendations on approaches to develop intergovernmental and public-private strategies to facilitate the development, training, and retention of a highly skilled workforce to meet the expanding geospatial needs of public and private-sector organizations.”

# Sub-committee Activities

- Research and assess geospatial workforce-related studies and activities currently planned or underway, including the following:
  - Research current and future needs
  - Research to assess what already exists
  - Identify best practices
  - Define gap between “need” and existing/projected workforce
- Develop initial recommendations on how FGDC can engage in and support geospatial workforce development activities.

} Sub-committee  
focus for 2010

# Subcommittee Activities

- Subcommittee meeting held on June 11, 2010
- Meeting agenda:
  - Review/discuss the Department of Labor projects relative to our 2010 activities
  - Discuss other relevant initiatives (industry, academic, government, etc.) the Subcommittee should consider reviewing
  - Define next steps, assignments, and schedule (Action Plan)
  - Determine what we should present at the June NGAC Committee meeting

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# Subcommittee Activities

- Initial research review includes:
  - DOL - Defining and Communicating Geospatial Industry Workforce Demand – Phase 1, report completed in the 2006 and website completed in the 2007 timeframes
    - Project included the creation of a Denver area pilot web site (<http://www.giwis.org/job-seekers/students.asp>)
  - DOL - Geospatial Technology Competency Model, completed in April 2010 timeframe
    - Extensive “Resources Reviewed” section at the end of the document
  - UCGIS – Geographic Information Science & Technology Body of Knowledge

# GIWIS – Workforce

The screenshot displays the Denver GIWIS website interface. At the top left is the logo for Denver GIWIS (Geospatial Industry Workforce Information System). To the right of the logo are navigation links: Home, Search, Contact, Send us your site feedback, and Recommend this site to a friend. Below the logo is a blue navigation bar with tabs for ABOUT GEOSPATIAL, EDUCATION, INDUSTRY DATA, JOB SEEKERS, WORKFORCE (highlighted), and RESOURCES. The main content area is divided into three columns. The left column, titled 'HIGH-GROWTH INDUSTRIES', contains two links: 'Learn about DOL's High Growth Job Training Initiative and the place geospatial holds as an emerging technology.' and 'Learn about the Denver WIRED grant.' The middle column features a large graphic with a central blue circle containing a smartphone icon, connected by yellow lines to six surrounding icons: a hard hat, a water drop, a laptop, a gear, a stack of coins, and a molecular structure. Below the graphic is the text 'Check out exciting geospatial careers by clicking the icons here.' The right column is titled 'PROJECTED JOB GROWTH' and contains a link to '2014 US Geospatial Occupations Growth Projections'. Below the main content area are three green headers for resource sections: 'DENVER/COLORADO WORKFORCE RESOURCES', 'DENVER EDUCATION RESOURCES', and 'PROJECTED JOB GROWTH'. Each section contains a list of links: Denver Workforce Investment Board, Department of Labor and Employment, Colorado Workforce Center, Locations of Comprehensive Career Onestop Centers; WIA Eligibility Database, Locations of Two Year Community & Technical Colleges, Locations of Four Year Colleges & Universities; and 2014 US Geospatial Occupations Growth Projections.

Denver **GIWIS** | GEOSPATIAL INDUSTRY WORKFORCE INFORMATION SYSTEM

On/Off

» Home » Search » Contact  
» Send us your site feedback  
» Recommend this site to a friend

ABOUT GEOSPATIAL | EDUCATION | INDUSTRY DATA | JOB SEEKERS | **WORKFORCE** | RESOURCES

**HIGH-GROWTH INDUSTRIES**

[Learn about DOL's High Growth Job Training Initiative and the place geospatial holds as an emerging technology.](#)

[Learn about the Denver WIRED grant.](#)

**Check out exciting geospatial careers by clicking the icons here.**

**DENVER/COLORADO WORKFORCE RESOURCES**

- ▶ [Denver Workforce Investment Board](#)
- ▶ [Department of Labor and Employment](#)
- ▶ [Colorado Workforce Center](#)
- ▶ [Locations of Comprehensive Career Onestop Centers](#)

**DENVER EDUCATION RESOURCES**

- ▶ [WIA Eligibility Database](#)
- ▶ [Locations of Two Year Community & Technical Colleges](#)
- ▶ [Locations of Four Year Colleges & Universities](#)

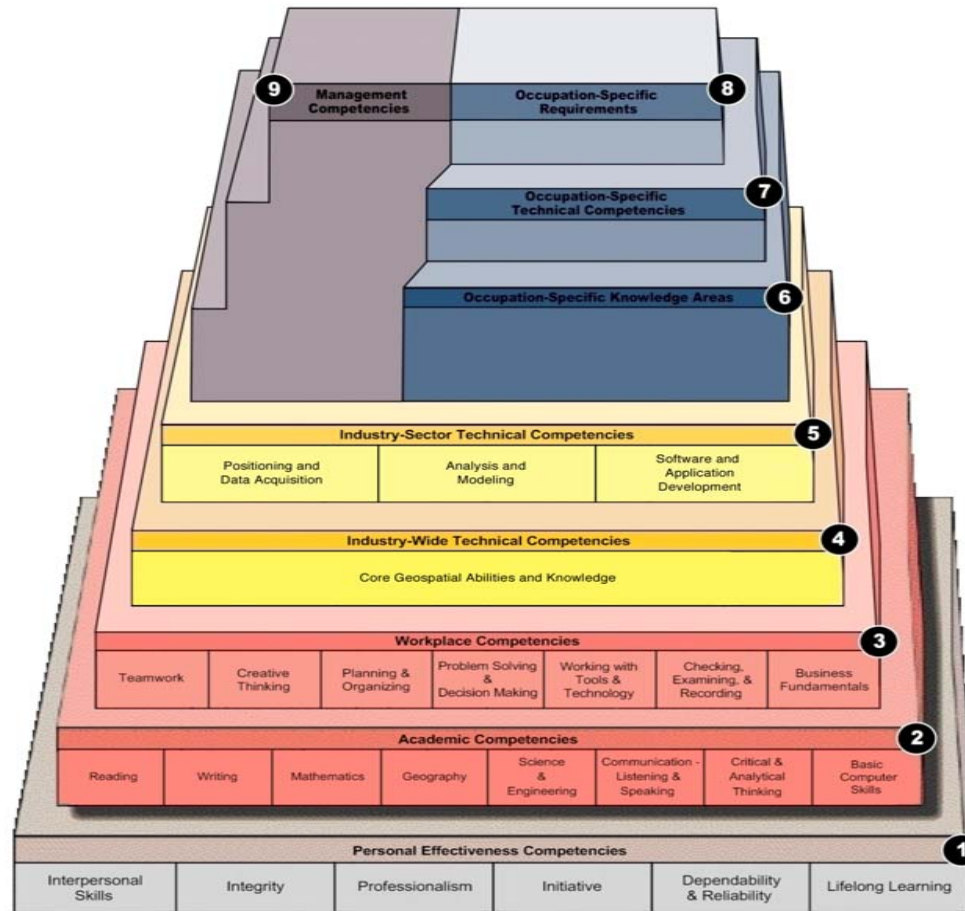
**PROJECTED JOB GROWTH**

- ▶ [2014 US Geospatial Occupations Growth Projections](#)

# Geospatial Technology Competency Model

Geospatial Technology Competency Model

June 1, 2010



# Subcommittee Draft Action Plan

<b>NGAC Subcommittee – Project Plan</b>		
<b>Subcommittee: Workforce Development</b>		
<b>Subcommittee Members: S. Ahearn, D. DiSera (Co-Chairs), S. Beym, K. Green, Randy Johnson, M. O’Connell, S. Wallach</b>		
<b>Purpose: Provide recommendations on approaches to develop intergovernmental and public-private strategies to facilitate the development, training, and retention of a highly skilled workforce to meet the expanding geospatial needs of public and private-sector organizations.</b>		
<b>Activity 1 – Research to current and future needs</b>		
<b>Action</b>	<b>Who</b>	<b>When</b>
1.1 Conduct workforce development research	All	July 30, 2010
1.2 Hold meetings with researcher from other efforts	All	August 30, 2010
1.3 Document results of research	All	September 17, 2010
<b>Activity 2 - Research assess what already exists</b>		
<b>Action</b>	<b>Who</b>	<b>When</b>
2.1 Review research for documented current and future needs	All	October 15, 2010
2.2 Document findings	All	November 5, 2010
2.3 Analyze for g ps	All	November 30, 2010
<b>Activity 3 – Define next steps</b>		
<b>Action</b>	<b>Who</b>	<b>When</b>
3.1 Determine next steps	All	December 17, 2010



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# Subcommittee Next Steps

- Continue to provide feedback on:
  - Defining and Communicating Geospatial Industry Workforce Demand – Phase 1
  - Geospatial Technology Competency Model
- Continue to research other industry, government, and academic workforce related material and efforts
- Meet in July to review feedback and other workforce related research findings
- Finalize Action Plan