

*8th Annual JACIE Workshop -
Civil Commercial Imagery
Evaluation and Application*



**Welcome
on behalf of the JACIE Team**

NASA (Kurt Thome)
NGA (Terry Lehman)
USDA (Bob Tetrault)
USGS (Greg Stensaas)

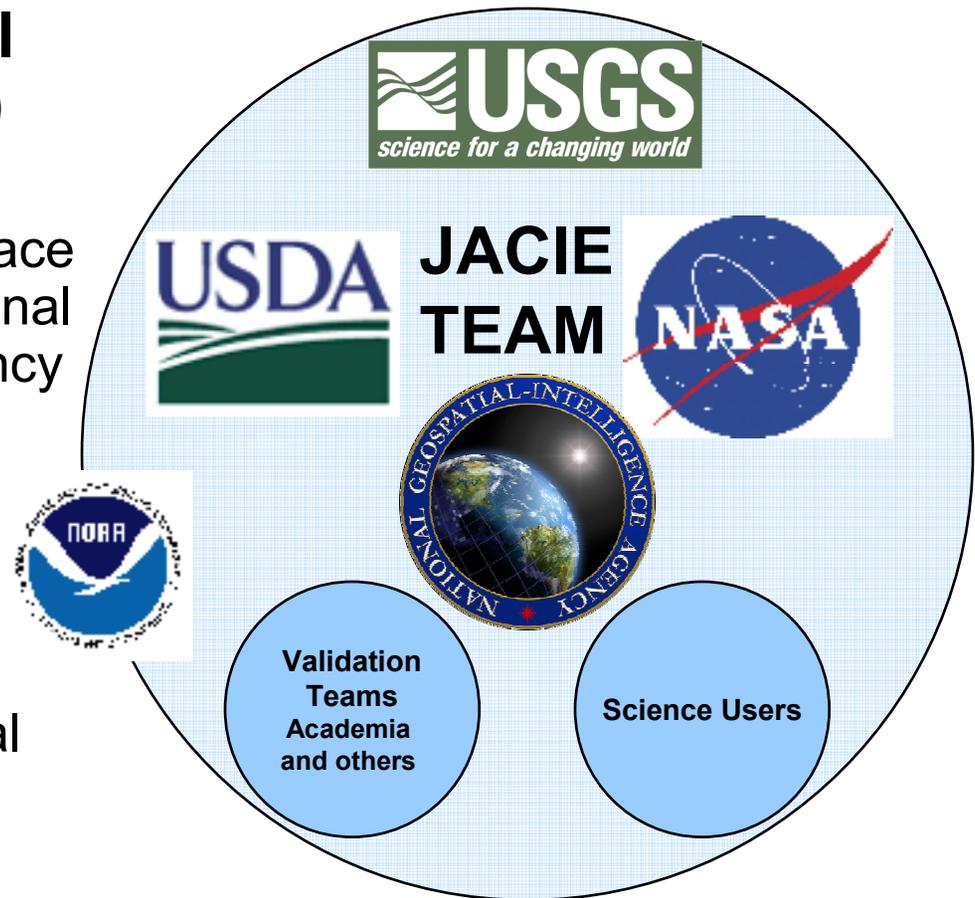
**8th Annual Joint Agency Commercial Imagery
Evaluation Workshop on Civil Commercial Imagery
Evaluation and Application**

**March 31 - April 2, 2009
Fairfax, Virginia**

8th Annual JACIE Workshop - Civil Commercial Imagery Evaluation and Application



- **Joint Agency Commercial Image Evaluation (JACIE) team formed in 2000**
 - National Aeronautics and Space Administration (NASA), National Geo-spatial Intelligence Agency (NGA), U.S. Department of Agriculture (USDA), and U.S. Geological Survey (USGS)
 - Annual workshops and documentation
 - Perform unbiased commercial system assessments and leverage each agencies' expertise



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Background and Benefits

- Supports Commercial Remote Sensing Space Policy
 - Provide government/industry imagery users with an independent assessment and validation model with respect to product quality and usability
 - Improves communication with industry, both vendors and users
 - Supports National Imaging role in terrestrial monitoring
- Provides an understanding and characterization of new sensors
- Calibration and validation baseline is a must for science interoperability
 - Good example for Global Earth Observing System of Systems
- Supports research and showcase science applications for civilian and DoD applications
- Provides cost efficiencies for both Government and Industry

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Background and Benefits (continued)

- The JACIE team is expanding
 - Imagery market growing - Civil and Commercial imagery use expanding by Government and Industry
 - USDA joined in 2006 JACIE and National Oceanic & Atmospheric Administration (NOAA) supporting the workshop (3 years)
 - Overwhelming workshop survey response to format and content
- CRS Requirements Database and Archive available on-line (USGS CIDR/UCDAM and NGA CCIL)

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- System Characterization is related to understanding the sensor system, how it produces data, and the quality of the produced data
- Imagery attempts to accurately report the conditions of the Earth's surface at a given the time.
 - Assessed by *characterization* categories:
 - ◆ **Geometric/Geodetic:** The positional accuracy with which the image represents the surface (pixel coordinates vs. known ground points)
 - ◆ **Spatial:** The accuracy with which each pixel represents the image within its precise portion of the surface and no other portion
 - ◆ **Spectral:** The wavelengths of light measured in each spectral "band" of the image
 - ◆ **Radiometric:** The accuracy of the spectral data in representing the actual reflectance from the surface
 - ◆ **Dataset Usability:** The image data and understanding of the data is easily usable for science application

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Logistics

- Facilities – Ask the JACIE team member any questions
- Lunch and snacks will be provided on-site
- Security – Sign up and Badges required; attendance list.
- Proceedings – Make sure your presentation is provided and your contact information is correct.
- Paper and Poster approval forms must be turned in!
- Poster session area - Specific session on Tuesday.
 - Posters open for viewing: Tuesday noon – Thursday noon.
- No Host dinner scheduled for Wednesday evening – Sign up!
- Wireless and emergency contact information

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Logistics

■ Information Contacts

- JACIE Co-Chairs– Terry Lehman (NGA), Greg Stensaas (USGS), Bob Tetrault (USDA), NASA (Kurt Thome)
- JACIE Team support – Mike Benson (USGS), Jon Christopherson (SAIC USGS), Bill Hughes, Karen Hoselle, Mary Ann Iverson (USM/CSC), Ron Hayes (USGS)
- Use the JACIE Workshop Survey for content questions and we'll provide feedback

■ Conference Survey forms

- Fill them in and drop them at the registration area, incentive prizes
- Questions on Venue – Do you like the Washington DC area for the workshop? If the workshop were not in the Washington DC area, would you or your organization attend?

■ Panel Session Questions

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Agenda