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FEDERAL GEOGRAPHIC DATA COMMITTEE

NGAC Panel Discussion:
Impacts and Implications of AI/ML for Geospatial Programs and Policies

National Geospatial Advisory Committee Meeting
June 28, 2023

AI Panel Discussion

Wednesday, June 28, 2023, 10:30am – 12:00pm:

- **Moderator: Dr. Vasit Sagan**
- **Dr. Peter Highnam,** Chief Strategy Officer, Office of the Under Secretary of Defense for Research and Engineering, Department of Defense
- **Mr. Mark Munsell,** Deputy Director, Data & Digital Innovation Directorate, National Geospatial-Intelligence Agency
- **Ms. Devaki Raj (NGAC Member),** Chief Executive Officer, CrowdAI
- **Dr. Yiqun Xie,** Assistant Professor, Geospatial Information Science, University of Maryland

Panel Discussion Outline

10:30 – 11:00: **Introductory Remarks from Panelists (5-7 minutes each)**

- Overview of your role/background
- What are critical AI issues, challenges, and opportunities – particularly as they relate to Federal geospatial programs

11:00 – 11:30: **Panel Discussion**

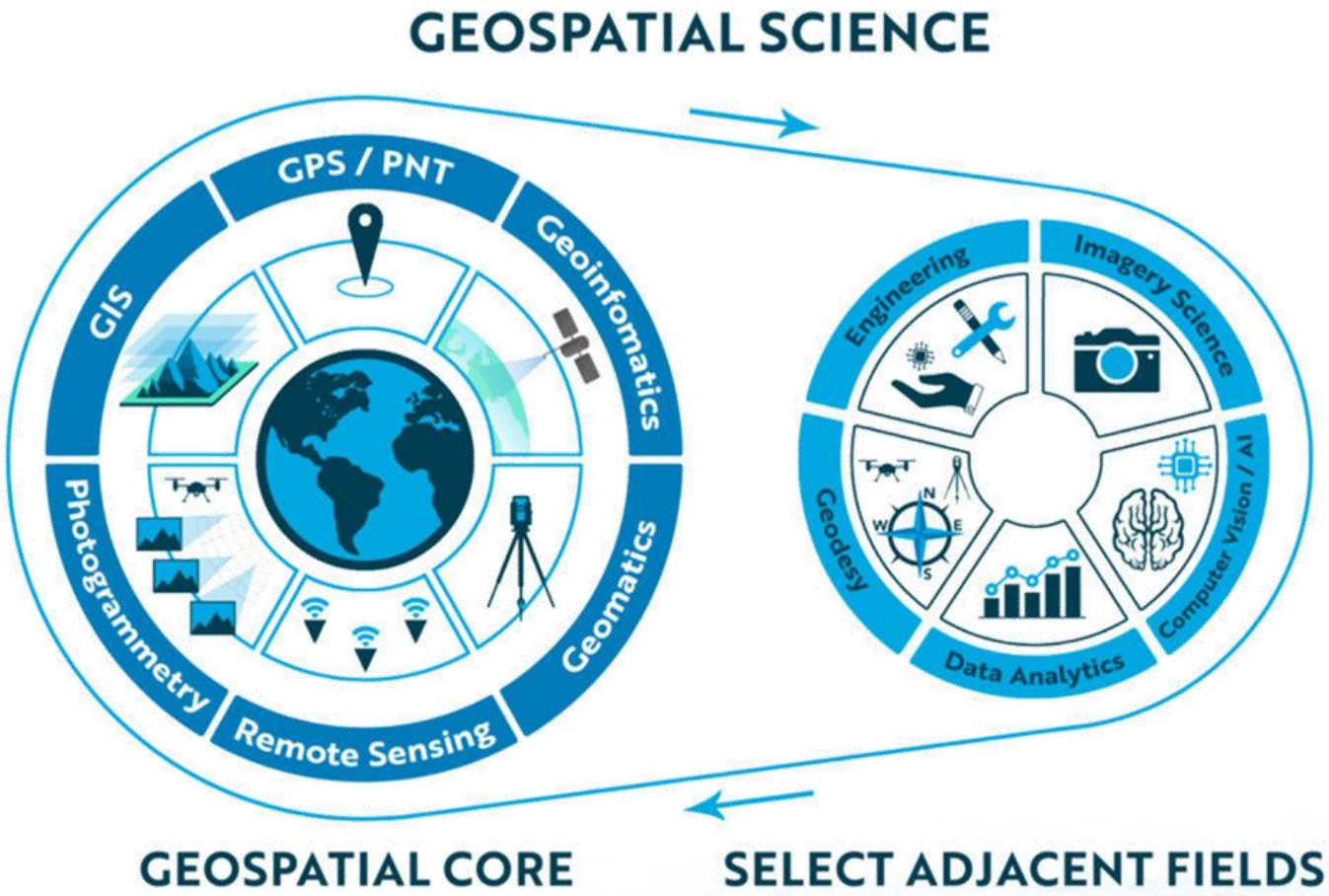
- Questions from moderator

11:30 – 12:00: **Dialogue with NGAC Members**

- Facilitated questions/discussion with NGAC members

TAYLOR GEOSPATIAL INSTITUTE

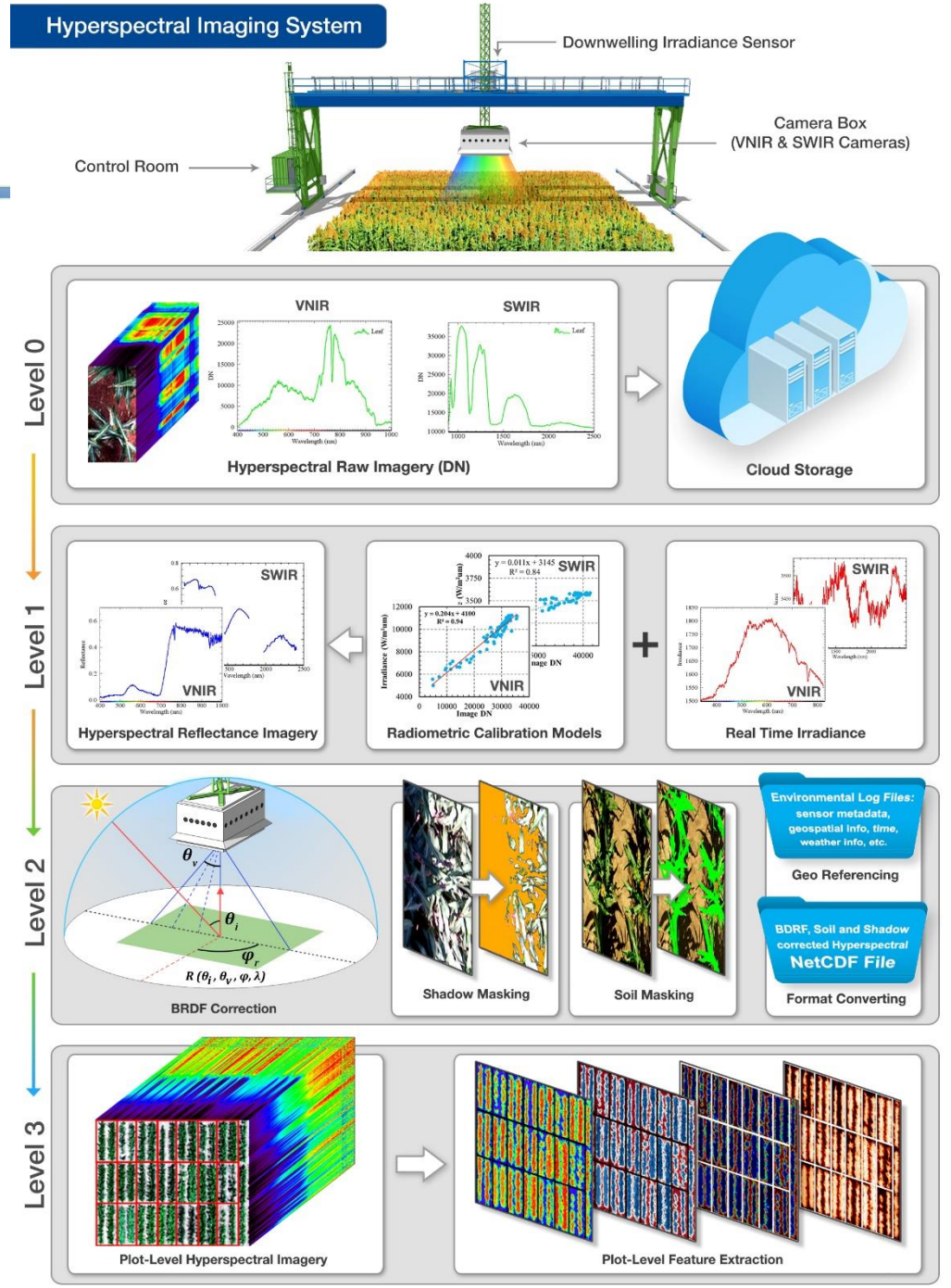
My Crystal Ball is the Geospatial Engine



GeoAI

GeoAI = AI + Geospatial Science

Harness geospatial big data (imagery, vector, and other location data) with the principles of geospatial science and the power of AI/ML for informed decision-making.



IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, VOL. 60, 2022 5510320

Data-Driven Artificial Intelligence for Calibration of Hyperspectral Big Data

Vasit Sagan, Maitiniyazi Maimaitijiang, Sidike Paheding, Sourav Bhadra, Nichole Gosselin, Max Burnette, Jeffrey Demieville, Sean Hartling, David LeBauer, Maria Newcomb, Duke Pauli, Kyle T. Peterson, Nadia Shakoor, Abby Stylianou, Charles S. Zender, and Todd C. Mockler

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