

## APPENDIX: Fall AGU 2019 Sessions, Papers, and Presentations with CIESIN Staff Participation

- CIESIN director Robert Chen, associate director for Science Applications Alex de Sherbinin, senior digital archivist Robert Downs, GIS developer Kytt MacManus, associate director for Geospatial Applications Greg Yetman, and former student intern Dorothee Grant participated in the fall American Geophysical Union meeting in San Francisco CA December 9–13. CIESIN convened or co-convened seven sessions at AGU:
  - [IN11C Improving Error Assessment and Ensuring FAIR Uncertainty Information for Earth Science Observations Posters](#) (chairs: R. Pontius, **R. Downs**, D. Moroni, Y. Wei)
  - [IN23A Advancing Capabilities to Enable Current and Future Use of Earth and Space Science Data I](#) (chairs: **R. Downs**, R. Edmunds, H. Ramapriyan)
  - [IN24A Advancing Capabilities to Enable Current and Future Use of Earth and Space Science Data II](#) (chairs: **R. Downs**, R. Edmunds, H. Ramapriyan)
  - [IN31B Advancing Capabilities to Enable Current and Future Use of Earth and Space Science Data III Posters](#) (chairs: **R. Downs**, R. Edmunds, H. Ramapriyan)
  - [IN43B Who's at Risk? Assessing Population and Infrastructure Exposure and Vulnerability for Hazard, Climate, Coastal, and Health Applications I](#) (chairs: **R. Chen**, C. Huyck)
  - [IN44B Who's at Risk? Assessing Population and Infrastructure Exposure and Vulnerability for Hazard, Climate, Coastal, and Health Applications II](#) (chairs: A. Gaughan, E. Friedman)
  - [IN51G Who's at Risk? Assessing Population and Infrastructure Exposure and Vulnerability for Hazard, Climate, Coastal, and Health Applications III Posters](#) (chairs: **Alex de Sherbinin**, B. Hernandez)

CIESIN staff members presented more than 12 invited, oral, e-lightning, and poster papers:

- [GC11A-01 The Groundswell Climate-Migration Modeling Project: Lessons Learned and Work in Progress](#) **Alex de Sherbinin**, Kanta Kumari Rigaud (oral)
- [IN12B-10 Citing Open Data and Other Research Objects](#) **Robert R Downs, Robert S Chen** (eLightning)
- [IN21A-11 FAIR is Fair, but Open is Outstanding](#) **Robert S Chen, Robert R Downs, Steven F Browdy** (oral)
- [PA22A-01 The Importance of Trustworthy Digital Repositories for Open Data in Developing Countries](#) **Alex de Sherbinin, Robert S Chen**, Paul Bartel, Rorie Edmunds (oral)
- [IN31A-02 Synergy through Coordination: A Case Study on GEOSS Data Sharing and Data Management Guidance](#) **Robert R Downs, Robert S Chen** (oral)
- [PA31H-1090 The Role of an Interdisciplinary Data Organization in Translating Science into Action](#) **Robert S Chen, Marc A Levy, Alex de Sherbinin, Sri Vinay, Gregory Yetman** (poster)

- [IN41A-07 Mapping the Human Planet: Utilizing Earth Observations to Operationalize the Fundamental Geospatial Data Themes](#) **Robert S Chen, Alexander M de Sherbinin, Andrea E Gaughan, and Charles K Huyck** (oral)
- [IN41D-0886 Utilizing Suomi NPP VIIRS Nighttime Lights Data for Socioeconomic Analysis using Advanced Methods: Case Studies from NASA's Socioeconomic Data and Applications Center \(SEDAC\)](#) **Kytt MacManus, Susana Beatriz Adamo, Jane Mills, Dorothee Cleophee Grant, Gregory Yetman, Mairead Milan** (poster)
- [U43A Earth Science Data Access and Integration at the Nexus of Science, Policy, and Society](#) **Alex de Sherbinin** (invited panelist)
- [IN44B-09 Climate Vulnerability Mapping: State of the Art and Recommended Practices](#) **Alex de Sherbinin, Anamaria Bukvic, Guillaume Thibaut Rohat, Brent McCusker, Denis Macharia, Olga Wilhelmi** (oral)
- [IN44B-04 Modeling the Impacts of Sea Level Rise Globally: Low Elevation Coastal Zones Based On New Sources](#) **Kytt MacManus, Deborah Balk, Gordon McGranahan, Hasim Engin** (oral)
- [IN44B-08 Population Data Models for Settlement Extents](#) **Gregory Yetman, Andrea E Gaughan, Forrest R. Stevens, Andreas Gros, Jane Mills** (oral)

CIESIN staff members were also co-authors on at least nine oral, e-lightning, and poster papers.

- [IN11C-0677 Being FAIR: Having Trust: How clear uncertainty information can increase the accurate reuse of our data](#) S. Stall, **R. Downs** (poster)
- [GC13E-1213 Can We Predict "Climate Migrations"? The 2018 Guatemalan Case](#) Diego Pons, Angel Munoz, Diana Giraldo-Mendez, **Susana B Adamo, Alex de Sherbinin, Lisa M Goddard** (poster)
- [IN23D-0892 Versioning of Research Data—Patterns and Principles](#) J. Klump, M. Wu, J. Martin, **R. Downs, A. Asmi** (poster)
- [IN43B-01 Challenges in Human and Built Environment Exposure Modeling for Catastrophic Risk Assessment: How Can We Get it Right?](#) Kishor Jaiswal, Charles K Huyck, Vitor Silva, Douglas B Bausch, **Robert S Chen, Nico Luco** (oral).
- [IN43B-02 Counting People Everywhere: Building the POPGRID Data Collaborative](#) Maryam Rabiee, Hayden Dahmm, Jessica Espey, **Robert S Chen, Claire Melamed** (oral)
- [IN44B-01 At What Point Managed Retreat?](#) Radley M Horton, **Alex de Sherbinin, Anna LoPresti** (oral)
- [IN51A-07 Introducing the Data ANalytics and Tools for Ecoscurity \(DANTE\) Project: An Open Source Research Platform Integrating Geophysical, Human Geography, Social and Political Science, International relations, and Global Environmental Change Research.](#) Joshua S Brinks, Cynthia M Crowley, Daniel P Baston, Eileen Shea, **Robert S Chen, Thomas M. Parris** (oral)
- [IN51C-10 Open Critical Infrastructure Exposure for Disaster Forecasting, Mitigation and Response](#) Charles K Huyck, Shubharoop Ghosh, Ronald T Eguchi, **Gregory Yetman, Mhairi Elizabeth O'Hara** (oral)
- [GC53H-1236 Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO2 emission in Vietnam, Cambodia and Laos](#) Andrea E Gaughan, Tomohiro Oda, Alessandro Sorichetta, Forrest R. Stevens, Maksym Bondarenko, Rostyslav Bun, Laura Krauser, **Gregory Yetman, Son V Nghiem** (poster)