Earth Science Informatics

TC Chairs:
Peter Baumann (Jacobs Uni)
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• Advance application of informatics to GRSS
• venue for ESI professionals to exchange information & knowledge
• technology advice to major national & international ESI initiatives
• Areas of Interest: Data & information policies, data stewardship, Earth system modeling, datacubes, sensor web, cloud computing, emerging technologies,...
• July 2018: 184 members, after weeding out dead addresses
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• Standardization:
  • ISO TC211:
    • 19123-2 Coverage implementation schema (CIS) \(\sim\) adopted
    • 19123-1 Abstract Coverage Model \(\sim\) under way
  • ISO SC32 WG3 SQL: 9075 Part 15 Multi-Dimensional Arrays (MDA) \(\sim\) FDIS ballot
  • OGC:
    • Web Coverage Service (WCS) 2.1 \(\sim\) adopted
    • WCS Polygon/Raster Clipping 1.0 \(\sim\) commenced
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- RDA Array Database Report
  - 19 tools assessed & compared functionally
  - 4 tools benchmarked
  - March 2018
  - Technically supported
  - DOI: dx.doi.org/10.15497/RDA00024
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- 2018:
  - Intl Workshop on Big Geospatial Data & Data Science, Wuhan U, China, Sep 2018
  - Datacube working group: Exploring interest & options
    - Expressions of interest
    - ESI workshop?
- 2019:
  - ESA Big Data from Space Conference, Munich, Feb 2019
    - Technical sponsorship, further support under investigation