GeoRef Overview - 2022

Sharon Tahirkheli
American Geosciences Institute
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GeoRef Overview - 2022

- International bibliographic database for the geosciences produced by the American Geosciences Institute
- 4.3 million references
- Subjects Covered -- all the geological disciplines including Mineralogy, Paleontology, Economic Geology, Geologic Mapping, Environmental Geology, etc.
GeoRef Overview - 2022

- Includes the following print bibliographies:
  - Bibliography and Index of Geology, 1969-2005
  - Bibliography of North American Geology, 1785-1970
  - Bibliography and Index of Geology Exclusive of North America, 1933-1969
  - Geophysical Abstracts, 1966-1969
  - Mineralogical Abstracts, 1982-2002?
  - AESIS (selectively)
GeoRef Overview - 2022

- Oldest reference – published in 1666
- Includes references to journal articles, books, maps, government reports, conference proceedings and conference abstracts, theses and dissertations
- Continuous coverage
  - North America – 1669 to present
  - Rest of the world – 1933 to present
    - Selective coverage of international journals prior to 1933
GeoRef Overview - 2022

- Publications from 140 countries – 2001-2020
- Publications in 60 languages – 2001-2020
- 3,506,000 papers from series
- 1,486,000 conference papers or abstracts
- 354,817 books and book chapters
- 138,000 maps
- 133,000 theses/dissertations – U.S/Canada
Publications by Country covered in GeoRef over the last 20 year

- Australia: 38%
- Canada: 5%
- China: 11%
- Germany: 7%
- Great Britain: 8%
- International: 4%
- Netherlands: 5%
- Russian Federation: 2%
- United States: 14%
- Other: 3%
Publication Languages covered in GeoRef -- 20 year history

- Chinese
- English
- French
- German
- Japanese
- Russian
- Spanish
- Other
GeoRef Overview - 2022

- Tiered pricing structure based on the number of geoscientists
- > 2000 subscribing organizations in 2020
- Distributed by third-party data-base providers
  - Proquest/Dialog
  - Ebsco
  - Ovid
  - GeoScienceWorld
  - Elsevier/Engineering Village
  - STN
GeoRef Overview - 2022

Who produces GeoRef?
- Staff of 33 plus 4 independent contractors
  - 23 staff with geoscience backgrounds and foreign language capabilities
  - Alexandria, Austin, Boulder, Seattle, Champaign, Bloomington, London
- Goal to produce 100,000 + new references in 2022
  - Increases in journal articles, open access articles
  - Declines in conference proceedings, theses/dissertations
- Coordinate with members of the International Bibliographic Network
GeoRef Overview - 2022

- How do we locate all of the publications covered in GeoRef?
  - AGI acquisitions
  - Publishers
  - Distributed indexers
  - USGS library system
  - Digital publications
  - International bibliographic network
    - Germany, New Zealand, Spain, Canada, Australia, Poland, etc.
GeoRef Overview - 2022

- How do we locate all of the publications covered in GeoRef?
  - 75% digital publications – 2022
  - 450 journals supply metadata directly
  - 455 open access journals
  - 20 universities reporting theses in 2021
  - 510 series from IBN
GeoRef Overview – 2022

- GeoRef Related Products
  - GeoRef Previews/GeoRef In Process
  - GeoRef Thesaurus
  - Open Access Journals List
  - Priority Journals List
  - Subject Alerts
  - Custom Searches
GeoRef Overview – 2022

- GeoRef Related Products
  - Subscription Databases
    - AusGeoRef – Collaboration with Geoscience Australia
    - CanGeoRef – Collaboration with Canadian Federation for Earth Sciences
    - Groundwater and Soil Contamination Database
    - Arctic Bibliography (distributed through Ebsco’s AAR database)
GeoRef Overview -- 2022

- Other Online Databases – Open
  - Bibliography of Cold Regions Research and Technology
  - Antarctic Bibliography
  - Geologic Guidebooks of North America
  - Scientific Ocean Drilling Bibliographic Database
  - MinAbs
  - Geological Surveys Database
GeoRef Overview - 2022

- Midwest Geological Sequestration Consortium Research Database – supported by DOE/University of Illinois
  - Phase I complete
  - 570 documents referenced
  - Phase II beginning
    - Broader geographic area
    - Battelle reports
GeoRef Overview – 2022
New Initiative

- UN Sustainable Development Goals
  - SDGs mapped to relevant GeoRef references
  - Primary goals:
    - SDG 2: Zero Hunger
    - SDG 6: Clean Water and Sanitation
    - SDG 7: Affordable and Clean Energy
    - SDG 13: Climate Action
    - SDG 15: Life on Land
  - Publications from 2022 forward
  - Research programs – IODP, IGCP, etc.
GeoRef Overview - 2022

Geologic Guidebooks of North America Database

- Geologic Guidebooks of North America
  - Produced in cooperation with the Geoscience Information Society
  - 12,080 Guidebook references as of May 16, 2022
    - 1203 online guidebooks
    - 6920 searchable by lat/long
    - https://guidebooks.americangeosciences.org/vufind/
GeoRef Overview -- 2022

- Geological Surveys Database
  - More than 58,000 references with 20,000 documents searchable as full-text
  - Full-text search is supplemented with GeoRef’s controlled vocabulary and GeoRef’s lat/long data
  - Links to online publication or source
  - 4000 additional full-text documents in the queue
  - 44 state geological surveys participating
  - https://statessurveys.americangeosciences.org/vufind/

Collaboration with AGI’s Critical Issues Program
Questions?