

An International Study of the Marine Biogeochemical Cycles of Trace Elements and their Isotopes



International Project Office

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GEOTRACES IPO Tasks

- 1. Assisting GEOTRACES SSC: working with co-chairs, representing the project at international meetings, liaising with other projects and sponsors, interacting with GEOTRACES national committees and groups, reports from meetings
- **2. Communications/outreach:** including Website, maintenance of mailing lists, capacity building, etc.
- **3. Administration/logistics:** fund raising, managing project finances, logistics for meetings
- **4. Assisting the GEOTRACES Data Assembly Centre** in securing data and metadata from national field programs, as directed by the SSC



GEOTRACES IPO Products

Outreach:

- GEOTRACES Website
- GEOTRACES Mailing lists
- GEOTRACES Brochures and other materials (e.g. postcards)
- GEOTRACES Posters + Roll up banners
- GEOTRACES eNewsletter + Special Issues
- GEOTRACES Facebook and Twitter page
- Outreach Resources Libraries and website
- GEOTRACES Video

Databases:

- GEOTRACES Researchers Analytical Expertise
- GEOTRACES Peer-reviewed Papers and PhD and Master Dissertations
 - GEOTRACES Intermediate Data Product References



New Products

- IDP2017 References service
- NEW on-line database of GEOTRACES Publications
- Video introducing the GEOTRACES International Programme
- New special issue eNewsletter Discovery digest



IDP2017 References service/New Publications Database

Proposal for building the IDP2017 references service and searchable database submitted to the OMP Data Centre,

Toulouse – Approved in April

Thanks to: Guillaume Brissebrat (OMP Data Centre, Toulouse)



IDP2017 references

Building a new live IDP2017 references service

(Reiner's) IDP2017 info file contains references query which is executed on user-click

The user is directed to the IPO (SEDOO) page showing **ONLY** the results of the query

(e.g. Fe_D_CONC_BOTTLE @ GP16)

geotraces-biblio.sedoo.fr/search?campaign=GP16¶m=Fe_D_CONC_BOTTLE
EOTRACES - Admi 🎂 GEOTRACES 🗋 Save to Mendeley 🐧 Bmind 🧿 Oxford Dictionaries 👼 Ressources électro 🗯 Sci-Hub: removing 🔵 Find Funding Oppor 🥥 SEDOO
GEOTRACES References
Cruise: GP16 Parameter: Fe_D_CONC_BOTTLE
6 publications found.
2017
Fitzsimmons, J. N., John, S. G., Marsay, C. M., Hoffman, C. L., Nicholas, S. L., Toner, B. M., German, C. R., & Sherrell, R. M. (2017). Iron persistence in a distal hydrothermal plume supported by dissolved-particulate exchange. Nature Geoscience, 10(3), 195–201. doi:10.1038/ngeo2900
Heller, M. I., Lam, P. J., Moffett, J. W., Till, C. P., Lee, JM., Toner, B. M., & Marcus, M. A. (2017). Accumulation of Fe oxyhydroxides in the Peruvian oxygen deficient zone implies non-oxygen dependent Fe oxidation. Geochimica et Cosmochimica Acta, 211, 174-193. doi:10.1016/j.gca.2017.05.019
John, S. G., Helgoe, J., Townsend, E., Weber, T., DeVries, T., Tagliabue, A., Moore, K., Lam, P., Marsay, C. M., & Till, C. (2017). Biogeochemical cycling of Fe and Fe stable isotopes in the Eastern Tropical South Pacific. Marine Chemistry. doi:10.1016/j.marchem.2017.06.003
Sanial, V., Kipp, L. E., Henderson, P. B., van Beek, P., Reyss, JL., Hammond, D. E., Hawco, N. J., Saito, M. A., Resing, J. A., Sedwick, P., Moore, W. S., & Charette, M. A. (2017). Radium-228 as a tracer of dissolved trace element inputs from the Peruvian continental margin. Marine Chemistry. doi:10.1016/j.marchem.2017.05.008
2016
Boiteau, R. M., Mende, D. R., Hawco, N. J., Mclivin, M. R., Fitzsimmons, J. N., Saito, M. A., Sedwick, P. N., DeLong, E. F., & Repeta, D. J. (2016). Siderophore-based microbial adaptations to iron scarcity across the eastern Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 113(50), 14237–14242. doi:10.1073/pnas.1608594113
2015
Resing, J. A., Sedwick, P. N., German, C. R., Jenkins, W. J., Moffett, J. W., Sohst, B. M., & Tagliabue, A. (2015). Basin-scale transport of hydrothermal dissolved metals across the South Pacific Ocean. Nature, 523(7559), 200-203. doi:10.1038/nature14577



New on-line searchable database of GEOTRACES Publications (peer-reviewed papers and PhD and Master dissertations):

http://www.geotraces.org/library-88/scientific-publications/peer-reviewed-papers



2017

Abadie, C., Lacan, F., Radic, A., Pradoux, C., & Poitrasson, F. (2017). Iron isotopes reveal distinct dissolved iron sources and pathways in the intermediate versus deep Southern Ocean. *Proceedings of the National Academy of Sciences*, 114(5), 858–863. doi:10.1073/pnas.1603107114

Banerji, U. S., Bhushan, R., & Jull, A. J. T. (2017). Mid-late Holocene monsoonal records from the partially active mudflat of Diu Island, southern Saurashtra, Gujarat, western India. *Quaternary International*, 443, 200–210. doi:10.1016/j.quaint.2016.09.060

Bates, S. L., Hendry, K. R., Pryer, H. V., Kinsley, C. W., Pyle, K. M., Woodward, E. M. S., & Horner, T. J. (2017). Barium isotopes reveal role of ocean circulation on barium cycling in the Atlantic. *Geochimica et Cosmochimica Acta*, 204, 286–299. doi:10.1016/j.gca.2017.01.043

Bown, J., Laan, P., Ossebaar, S., Bakker, K., Rozema, P., & de Baar, H. J. W. (2017). Bioactive trace metal time series during Austral summer in Ryder Bay, Western Antarctic Peninsula. *Deep Sea Research Part II: Topical Studies in Oceanography*, 139, 103–119. doi:10.1016/j.dsr2.2016.07.004

Boyd, P. W., Ellwood, M. J., Tagliabue, A., & Twining, B. S. (2017). Biotic and abiotic retention, recycling and remineralization of metals in the ocean. *Nature Geoscience*, 10(3), 167–173. doi:10.1038/ngeo2876

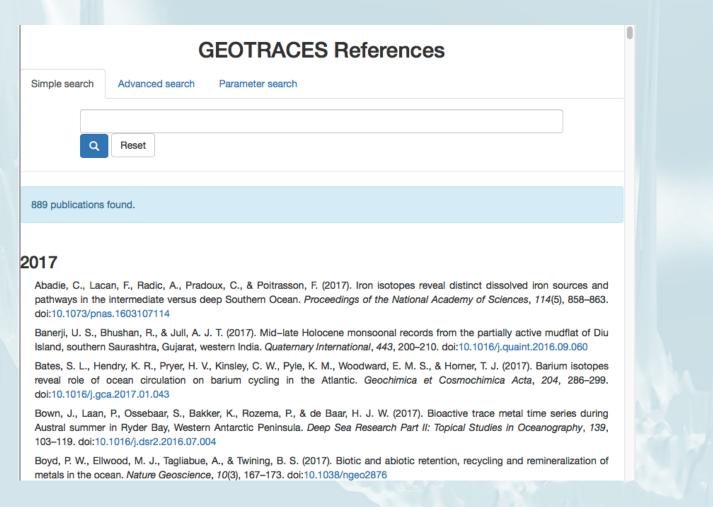
Searchable database ->

Will be announced soon through the mailing list:

Feedback is needed!!!

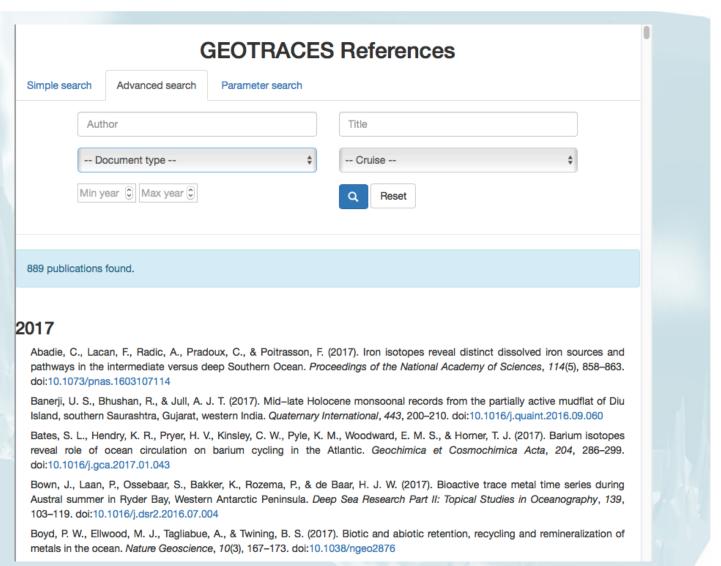


Simple search





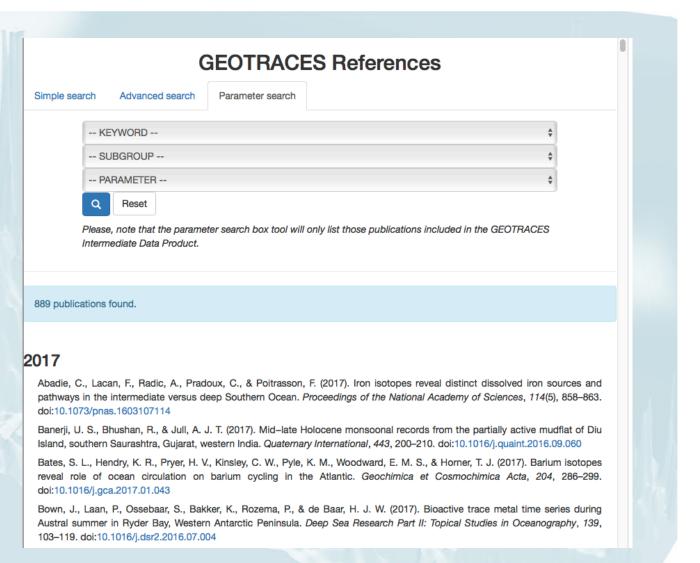
Advanced search





Parameter search

Feedback welcome!!!





On-line database of GEOTRACES publications/IDP references

- Updated EVERY WEEK!
- Those publications including "GEOTRACES" in either the title, abstract or keywords are directly collected by the IPO and included in the database – Issue - I need to know the IDP2017 parameter to link it with the data!!!
- Please inform the IPO of any new publication related to data included in the IDP2017. Please include the IDP2017 parameter name if you know it.
 - -> Also, PLEASE remind:
 - *your colleagues about the need to include "GEOTRACES"...!
 - *your students to send the URL of their PhD/Master dissertation!



Video presenting the GEOTRACES Programme

All what you need to know about GEOTRACES (to be presented soon!)



Original idea of Ed Urban. Filmed in Toulouse (during the SSC meeting). English/French (editing and subtitles IPO).

Thanks to: Jean-Hugues Barbary (camera and video editing) and Jean François Hait (scenario and reporting)



Discovery Digest – New type of eNewsletter Special Issue

Designed to highlight the progress in a given GEOTRACES-relevant topic

Distributed on 31st March 2017 – Very positive feedback received

1452 hits (coming from the e-mail)





IDP2017 release

Organizing IDP2017 launch event at Goldschmidt

Communicating the IDP2017 release to the GEOTRACES Community, stakeholders, press (Goldschmidt press officer – New Scientist),...

- Brochure, eNewsletter, ad-hoc announcements...





Ressources SSC – login in – GEOTRACES site

A menu devoted to SSC members is available on the GEOTRACES site (need to log in). This includes:

Lecture and presentations (ppt files)

http://www.geotraces.org/library-88/resources-ssc/lectures

>>Includes lectures and general GEOTRACES Presentations made at international meetings or conferences that you can use on your presentations

Lectures developed using the GEOTRACES data are valuable outreach activity that could be shared with the broader oceanographic community

PLEASE SEND THEM TO US!



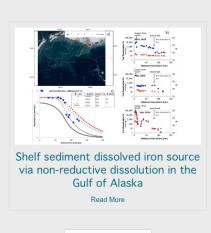
REMINDER: We need your contribution

Inform us about:

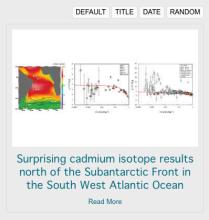
Outreach materials
GEOTRACES-related national activities
Cruise information

Science Highlights: 135 published (30 since last SSC)

Manganese in the west Atlantic Ocean in the context of the first global ocean circulation model of manganese Read More



SCIENCE HIGHLIGHTS



LOAD ALL



GEOTRACES Researchers Analytical Expertise Database

Need update!?

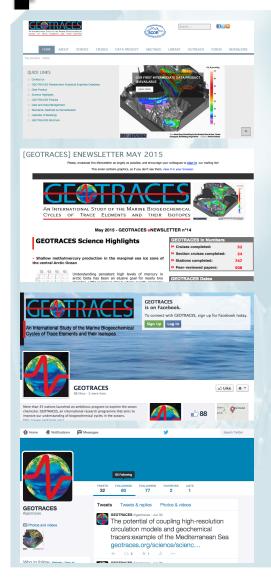
e.g. include a link to their publications and intercalibration participations on the web form – Request from S&I

Update parameter names?

- 138 researchers registered
 - To facilitate search when an analytical expertise is needed
 - To allow to show « who does what » in the Programme
- On-line form to register available on the GEOTRACES Web site
- S&I Committee validates each new registration before the data is published on the site



GEOTRACES media



GEOTRACES Website:

Frequency of updating has increased considerably!!! 2600 sessions/month (average)

GEOTRACES Mailing list:

1022 subscribers

GEOTRACES eNewsletter:

26 issues (5 new + 1 sp issue)

GEOTRACES Facebook:

390 likes/397 followers/3,2k reach

GEOTRACES Twitter:

544 followers



THANK YOU FOR YOUR ATTENTION ...





GEOTRACES Web site: Statistics

Some statistics (September 2016 to September 2017):

• Total sessions: 31.393 -> 2.616 sessions/month

• Absolute Unique Visitors: 17.523

• **Pageviews:** 76. 302

