

**GEOTRACES INTERNATIONAL SSC MEETING
SALVADOR, BRAZIL**

List of action items and decisions

List of Action items

1. **Action:** Ed Urban and Elena Masferrer to prepare and distribute a “Survey Monkey” asking for feedback from IDP2017.
2. **Action:** Bill Landing to communicate with Marina Kravichishina about possible inclusion of Russian aerosol data.
3. **Action:** Adrian Burd to contact Tim DeVries about planning a modelling workshop.
4. **Action:** Hajime Obata to send new GP18 cruise coordinates to DMC co-chairs.
5. **Action:** Tina van der Flierdt to send to Elena the information about NERC Independent Research Fellowships to be posted on the GEOTRACES site.
6. **Action:** Reiner Schlitzer to ask WG146 chairs for links to eLectures to post on the GEOTRACES web site.
7. **Action:** Elena to include in the agenda for next SSC meeting to discuss about the ISCU’s review process.
8. **Action:** Jay Cullen to send to Maite Maldonado and Alessandro Tagliabue the names of the scientists who have done genomics sampling.
9. **Action:** Walter Geibert to explore the possibilities to host a GEOTRACES summer school at AWI.
10. **Action:** Maeve Lohan to draft an email to be distributed by the IPO encouraging all investigators to submit data from consensus samples.
11. **Action:** SSC members to send ideas on how to improve communication about the intercalibration process to Walter and Maeve.
12. **Action:** S&I to discuss at its next meeting the best methods to assess uncertainty associated with TEI data and develop examples of how to assess and report uncertainty of GEOTRACES results, without prescribing (mandating) that uncertainty be calculated by any specific format. The S&I will draft a report/manuscript describing these methods that will be circulated to the SSC for comment.
13. **Action:** S&I to discuss value of adding a physical oceanographer during their next meeting.
14. **Action:** S&I to discuss how to deal with ancillary parameters and specially, how to deal when no response is received by the PI and who could make the decision.
15. **Action:** DMC to identify specific needs and come back to the SSC next year with recommended features to be included in the automated data portal.

16. **Action:** DMC co-chairs to explore the tool used by LTER, EXPORTS and also JIRA software as a potential portal for GEOTRACES.
17. **Action:** DMC co-chairs to send an e-mail to the GEOTRACES community containing (a) a link to parameter names and criteria for naming parameters and (b) a link to the official list of cruise identifiers. The email will ask data submitters to select the appropriate cruise IDs and parameter names.
18. **Action:** Elena/GDAC to publish on the GEOTRACES web site (a) a link to parameter names and criteria for naming parameters and (b) a link to the official list of cruise identifiers.
19. **Action:** Reiner to update the eGEOTRACES and create a “changes” page link on the eGEOTRACES home page informing about corrections and updates.
20. **Action:** GDAC/Elena to publish IDP2014 in a form that identifies this version as an old version.
21. **Action:** Reiner to made old version of webODV available.
22. **Action:** DMC to consider the new IDP data portal/S&I form to include a box to report individual datasets DOI so that this could be included in the ODV/IDP.
23. **Action:** DMC to draft a new download agreement that includes recommendations for appropriate citation of data products. The SOCAT download is a useful example.
24. **Action:** DMC co-chairs to contact, shortly after OS2018, PIs who submitted data to IDP2017 to inform them that the registration step will be dropped for IDP2021 and offering the opportunity to remove their data from IDP2021.
25. **Action:** Elena to include in the agenda for next DMC meeting the discussion about whether to produce one DOI for all data formats or a separate DOI for each data format (e.g., NET CDF, ASC, Excel, ODV).
26. **Action:** DMC co-chairs/Elena to update the section cruise criteria to clarify the process for obtaining permission for GEOTRACES section cruises.
27. **Action:** Elena to add in the agenda for next SSC to discuss whether a repeat section that is repeating a previous full section rather than an IPY section may be better designated as a process study.
28. **Action:** Elena to update the process study form in Point 3 to indicate include information about who will analyse samples for each type of TEI, if known.
29. **Action:** Sunil Kumar Singh to inform Martin Frank, Alexandra Filipova and Georgi Laukert that they must submit an S&I report for the two requests for compliant data.
30. **Action:** Gideon Henderson to draft a document providing options for action for cruises that are missing key TEIs. This document will include a set of criteria for adjusting the status of a cruise from Section to Process Study.
31. **Action:** SSC members to think about the benefits and liabilities of removing sections that will never be completed and reach a decision in 2018 or 2019 about dropping those sections.

32. **Action:** Elena to include in the agenda for next SSC meeting to discuss about the benefits and liabilities of removing sections that will never be completed.
33. **Action:** SSC members cruise leaders need to send GDAC the correct coordinates of completed cruises and improved coordinates of planned cruises.
34. **Action:** Andy Bowie and Catherine Jeandel to update the Indian Ocean map. Remove sections without firm commitments.
35. **Action:** Jay Cullen, Bill and Walter to ensure that GDAC has the correct coordinates for the 3 Arctic expeditions in 2015.
36. **Action:** Andy to coordinate the review of the Southern map and send the new coordinates to GDAC.
37. **Action:** Elena to distribute the comprehensive list of process studies and compliant data.
38. **Action:** GDAC to update the maps as follows:
 - Add the Arctic cruise tracks to the Atlantic and Pacific basin maps as well.
 - Rename all cruises in the Southern Ocean with an S (for example GS08 instead of GI08).
 - Change colour code of basin maps to: yellow for completed cruises, red for planned cruises and black for IPY cruises.
 - Atlantic map changes: Add GA13, GA02 and GA04 should be updated. Add the Arctic cruises.
 - Pacific map changes: Correct (lengthen) GP13. Add GP21 and GP22. Correct the coordinates of GP15. Correct GP19. Remove the horizontal dashed line of GP17. Add the Arctic cruises.
 - Indian map changes: The map should be updated to follow the 2016 Yokohama workshop. The Yokohama map needs to be updated – redraw the SWINGS track and the GI08, turn to red GI05 line... Catherine and Andy will oversee this.
 - Arctic map: Update GN01 and GN04 tracks as they are inaccurate. Also, GN04 should not be dashed.
 - Southern Ocean map: remove the cruise names.
 - Process Studies and Compliant data: update the maps as they are missing several cruises.
39. **Action:** Elena to rename all cruises in the Southern Ocean with an S (for example GS08 instead of GI08) on the GEOTRACES web site and documents.
40. **Action:** Exec. to write a draft accomplishments report that covers science, capacity building, data management, S&I, benefits of international collaboration and more. Tung-Yuan will help compile Asian accomplishments.
41. **Action:** Hajime to approach Jun Nishioka to ask him to apply to the S&I for approval of historical data as intercalibrated and therefore as compliant data.
42. **Action:** Catherine and Elena to publish a “best practices” list in the GEOTRACES newsletter periodically that reminds people about procedures, such as informing the IPO about GEOTRACES-related cruises (including opportunistic sampling), using

correct parameter names, etc. Emphasise that GEOTRACES does not seek to influence plans, but having knowledge of non-GEOTRACES activities helps improve GEOTRACES planning.

43. **Action:** SSC members to test the publication database search features and send feedback to Elena.
44. **Action:** Elena to update the web page to clarify distinction between IDP2014 reference database, which must be maintained to support IDP2014, from the new IDP2017 publication database.
45. **Action:** Elena to add “publications database” in the web-page quick links.
46. **Action:** Elena to prepare an on-line form so that investigators can provide DOI for all the IDP2017 papers.
47. **Action:** SSC members to suggest Bob Anderson any new topic for the *Annual Review of Marine Science*.
48. **Action:** SSC agreed to purchase open access for the *Annual Review of Marine Science* article.
49. **Action:** SSC members having suggestions for titles for the Chemical Geology to contact Tim Conway.
50. **Action:** Jing Zhang to send the information about the special issue on the East Asian GEOTRACES in *Marine Chemistry* to the IPO to be distributed to the GEOTRACES community.
51. **Action:** Elena to set up the questions on the web site with links to the time slot on the YouTube file where the question is answered.
52. **Action:** Interested SSC members contact Bob and Elena to volunteer to help organise a search system. (Note: by the end of the meeting Phoebe, Maite and Zanna volunteered to help Bob organise science highlights by topic and assign appropriate key words.)
53. **Action:** Bill to follow up with the writer of *Chemical and Engineering News* to publicise IDP2017.
54. **Action:** Bob to contact Greg Cutter to ask whether he would be willing to serve as moderator of a forum where people implementing a clean sampling system can post questions.
55. **Action:** Elena to add a quick link to the cookbook on the GEOTRACES website.
56. **Action:** Rob Middag to explore whether NIOZ could contribute funding to the project.
57. **Action:** Elena to send out a doodle poll for 2018 SSC meeting.

List of decisions

1. **Decision:** SSC recommended Andy Bowie as new SSC co-chair.
2. **Decision:** SSC recommended Hajime Obata and Liping Zhou to be reappointed for a second term.
3. **Decision:** SSC recommended inviting Susanne Fietz, Abby Ren and Kazuyo Tachikawa as new SSC members.
4. **Decision:** SSC recommended inviting Vineet Gowsami to serve as new SSC member as soon as he returns to India.
5. **Decision:** SSC agreed inviting Yoshiko Kondo, Ana Aguilar-Islas and Pete Sedwick to serve the S&I.
6. **Decision:** SSC approved Bill Landing to be appointed new DMC co-chair starting in January 2018.
7. **Decision:** SSC approved Jun Nishioka to be appointed as new DMC regular member starting in October 2017.
8. **Decision:** SSC agreed Reiner Schlitzer to be appointed DMC regular member starting in January 2018.
9. **Decision:** SSC approved Reiner taking the lead on an IDP2017 paper. The goal is to have a paper submitted by Ocean Sciences.
10. **Decision:** SSC agreed to establish an ad-hoc working group to design the new IDP portal. This working group should start focusing on the S&I requirements.
11. **Decision:** SSC agreed version 2 of the IDP2017 to be a limited product. It should fix known errors in IDP2017 and contain data that have already been approved by the S&I but were not included into IDP2017. No new data will be solicited and the S&I committee will not be asked to review any additional data sets for version 2 with the expectation of the the LaRoche data.
12. **Decision:** SSC agreed old versions of the IDP (including webODV) to remain available, but in a form that identifies each old version as an old version. If a user goes to IDP2014 then they will be directed to IDP2017 (or whatever product is the most recent).
13. **Decision:** SSC agreed IDP2021 will no longer have a registration step and the download agreement will be expanded to include appropriate citation protocols.
14. **Decision:** SSC agreed the decision to remove the registration step to be announced at the Ocean Sciences Town Hall in 2018.
15. **Decision:** SSC agreed that only the full IDP DOI would be associated with subsets of data.
16. **Decision:** SSC agreed that all GEOTRACES sections must be approved in advance by the SSC.
17. **Decision:** SSC approved US GP15 cruise as GEOTRACES section cruise.

18. **Decision:** SSC approved GI08 as GEOTRACES section cruise.
19. **Decision:** SSC approved SWINGS GI06 cruise as a GEOTRACES section.
20. **Decision:** SSC approved Eric Achterberg's cruise proposal as GP21 section cruise.
21. **Decision:** Pedro Monteiro should request approval as process study or section cruise and the SSC will deal with it via email.
22. **Decision:** SSC approved the following requests for GEOTRACES process studies: Amazon-GEOTRACES, Surface2Sediments cruise, KOPRI Amundsen Project, SOTS project, EAC project and TONGA cruise.
23. **Decision:** SSC agreed to give a provisional acceptance of two requests for compliant status conditional on the data passing S&I review.
24. **Decision:** SSC agreed reviewing those sections that do not include most of the key TEIs.
25. **Decision:** SSC agreed to keep sections that might never been completed on the map and review the decision in 2018 or 2019.
26. **Decision:** SSC agreed to add the Arctic cruise tracks to the Atlantic and Pacific basin maps as well.
27. **Decision:** SSC agreed to design Southern Ocean cruises as GS rather than GI.
28. **Decision:** SSC agreed the forthcoming Japanese cruise along 155°E section (GP18) to be approved as GP22 section cruise.
29. **Decision:** SSC agreed to replace Indian Ocean map from 2007 Goa workshop with an updated map from the 2016 Yokohama workshop as the official GEOTRACES "wish list."
30. **Decision:** SSC agreed to publish a "best practices" list in the GEOTRACES newsletter periodically that reminds people about procedures, such as informing the IPO about GEOTRACES-related cruises (including opportunistic sampling), using correct parameter names, etc. Emphasise that GEOTRACES does not seek to influence plans, but having knowledge of non-GEOTRACES activities helps improve GEOTRACES planning.
31. **Decision:** SSC agreed to allocate \$15k for a BioGEOTRACES meeting.
32. **Decision:** SSC agreed to host the 2018 SSC meeting in Taiwan and the 2019 SSC meeting in Australia.