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# Conference Presentation

2011

1. Alam, E., Dominey-Howes, D., Chagué-Goff, C. & Goff, J. 2011. [Records of Tsunamis in the Indian Ocean with a Particular Focus on the Northern End of the Bay of Bengal](#). XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July 2011. Abstract IASPEI- 4608.
2. Andersen MS, Rau GC, McCallum A, Meredith K, Acworth, RI (2011) Groundwater recharge and geochemical processes in a semi-arid losing stream using heat, isotopes and geochemistry. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, Cairns, 12-14 Jul, 2011. P-18
3. Armand J. Atanacio, Eduard Stelcer, David D. Cohen, Ion Beam Analysis, Positive Matrix Factorisation and Wind Back Trajectories, Tools for PM<sub>25</sub> Fine Particle Research in Australia, The 20<sup>th</sup> International Clean Air and Environment Conference , 31 Jul – 2 August 2011, Auckland, New Zealand.
4. Cameron Barr, John Tibby, Peter Gell, Geraldine Jacobsen, Atun Zawadzki. A fine-resolution reconstruction of climatic variability in southeastern Australia over the last 1500 years. IXVIII INQUA-Congress, Bern Switzerland, 21-27 July 2011.
5. D. Button, M.A.C. Hotchkis and G. Milford. Design of a compact ECR Ion Source for medium charge state light ions, 14<sup>th</sup> Int. Conf. on Ion Sources (ICIS11) September 12<sup>th</sup>-16<sup>th</sup> ,2011, Giardini Naxos, Italy.
6. Cendón DI, Chen J, Haldorsen S, Treidel H (2011) A new Groundwater initiative: Global Palaeoclimate Signals from large aquifers (G@GPS) to link palaeoclimate archives and paleogroundwater observations. In INQUA-2011 proceedings (ID-1029)
7. Chagué-Goff C. (Invited) 2011. Not Just Salt – the 11 March 2011 Tohoku-oki Tsunami and the Significance of Geochemical Proxies. Abstract NH14A-04, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
8. Chagué-Goff C., Goto, K., Fujino, S., Nishimura, Y., Sugawara, D., Szczuciński, W., Richmond, B.M., Tappin, D.R., Jaffe, B.E., Witter, R.C., Yuliento, E. & Goff, J.R. 2011. Geological and Geochemical Field Survey on the Sendai Plain following the 11 March 2011 Tohoku-Oki Tsunami. Abstract NH11A-1344, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
9. Chagué-Goff C, Wong H, Mazumder D, Andrew A, Goff J, Cisternas M (2011) Searching for Proxies to Distinguish Between Tsunami and Storm Deposits: Can Chemical and Isotopic Signatures Provide the Missing Link? XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. Abstract - IASPEI-3284.
10. \*Chagué-Goff, C., Goto, K., Goff, J., Jaffe, B., Szczuciński, W., Fujino, S., Sugawara, D., Nishimura, Y., Richmond, B., Witter, R. & Yuliento, E. 2011. [Preliminary Results of a Geological Field Survey in the Sendai Plain after the 11 March 2011 Tohoku Tsunami](#). XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. IASPEI-6074.

11. \*Chagué-Goff, C., Goff, JR, Dudley, W, Nichol, S., Mooney, S., Zawadzki, A., Bennett, J.W., Heijnis, H., Courtney, C. & Dominey-Howes, D. 2011. Multi-proxy analysis of an enigmatic sand layer in Pololu Valley, Hawaii: tsunami or storm deposit? European Geosciences Union General Assembly, Vienna, Austria, 3-8 April 2011. Abstract, Geological Research Abstracts, Vol. 13, EGU2011-1476.
12. \*Chagué-Goff, C. Wong, H., Mazumder, D., Andrew, A., Goff, J. & Cisternas, M. 2011. [Searching for Proxies to Distinguish Between Tsunami and Storm Deposits: Can Chemical and Isotopic Signatures Provide the Missing Link?](#) XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. IASPEI-3284.
13. David Cohen (invited, full funded), The development of accelerator based micro-IBA techniques for the study of environmental samples and materials characterisation. 2<sup>nd</sup> Research Co-ordination Meeting (RCM) on Micro-analytical Techniques Based on Nuclear Spectrometry, IAEA HQ, Vienna, Austria, 10-14 October 2011.
14. Courtney, C., Dominey-Howes, D., Goff, J.R., Chagué-Goff, C. 2011. Reinterpretation of Megatsunami Inundation in Southeast Australia and the Implications for Palaeotsunami Identification. Abstract NH21D-1529, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
15. Courtney, C., Dominey-Howes, D., Chagué-Goff, C., Tarbotton, C. & Goff, J. 2011. [Reinterpretation of Megatsunami Inundation in Southeast Australia and the Implications for Palaeotsunami Identification.](#) XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. IASPEI-3303.
16. E. Chamizo, M. Garcia-León, R. Garcia-Tenorio, M. Hotchkis. Measurement of Pu and U isotopes on the 1 MV AMS system at the Centro Nacional de Aceleradores, 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
17. D. Child and M. Hotchkis. Plutonium and uranium contamination in soils from the former nuclear weapon tests in Australia, 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
18. D. Child and K. Simon. A new method for separation and purification of beryllium and aluminium using the Eichrom DIPEX<sup>®</sup> resin. 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand
19. David Cohen (invited) Australia Project Report GENT Fine / Coarse Sampling Summary 2003-2008 RCA / IAEA Final Progress Review Meeting, Vienna, Austria, 14-18 March 2011.
20. David Cohen (invited), Fine particle characterization and sources in Australia, NSW Office of Environment & Heritage Workshop on Fine Particles, Masonic Centre, Sydney, NSW Australia, 17 May 2011
21. David D Cohen, Jagoda Crawford, Eduard Stelcer, Armand Atanacio. A new approach to the combination of IBA techniques and back trajectory data to study long range transport of air pollution. 20<sup>th</sup> International Conference on Ion Beam Analysis, Itapema, Brazil, 10-15 April 2011.
22. Deutscher, N. M., S. D. Parkes, et al. (2011). Intercomparing Isotopic Water Vapour Measurements to determine spatial and temporal representativity. [EGU General Assembly](#). A. Koppmann, A. Kiendler-Scharr and T. Röckmann. Vienna, Austria.
23. Devriendt D, Chivas AR, Cendón DI (2011) A 50 ka hydrological record from northern Australia inferred from the chemistry of ostracod valves: implications for the Australian monsoon In INQUA-2011 proceedings (ID-1860)
24. Etienne, S., Terry, J.P., Paris, R., Couchoud, I., Switzer, A., Lau, A., Lee, Y.S., Goff, J. & Chagué-Goff, C. 2011. Les risques naturels extrêmes sur les littoraux de la Polynésie Française: le programme

RINALPOF 2011-2013. Colloque régional sur les politiques d'aménagement du littoral dans une perspective d'adaptation au changement climatique, Tahiti, 12-16 December 2011, 2pp.

25. D. Fink, M. Quigley, B. Kohn, Quantifying the response of Australian landscapes to climatic and tectonic forcing using cosmogenic isotope analysis, 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011.
26. D. Fink, B. Storey, K. Joy and J. Shulmeister, Constraints on ice volume changes of the West Antarctic Ice Sheet and Ross Ice Shelf since the LGM based on cosmogenic exposure ages. 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011
27. D. Fink, T. Fujioka, C. Mifsud, G. Nanson, A. Felton, Overturned mega boulders on coastal cliff-tops and in bedrock river channels: can cosmogenic nuclides constrain tsunami and palaeo-flood events in Australia? 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011
28. T. Fujioka, D. Fink, C. Mifsud, Improving the accuracy of aluminium assay in purified quartz for in situ cosmogenic exposure dating, 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011.
29. Goff, J., Chagué-Goff, C. & Dominey-Howes, D. 2011. Futuna: [Small island, big story. Opening up the palaeotsunami record of the Pacific](#). XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. IASPEI-487.
30. Goff, J., Dominey-Howes, D. & Chagué-Goff, C. 2011. [Palaeotsunami magnitude, frequency and source \(PMFS\) modelling - progress in small steps](#). XXV International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia, 28 June-7 July. IASPEI-488.
31. \*Goff, J., Chagué-Goff, C. & Dominey-Howes, D. 2011. Tracking the extent of the Kuwae. European Geosciences Union General Assembly, Vienna, Austria, 3-8 April 2011. Abstract, Geological Research Abstracts, Vol. 13, EGU2011-85.
32. Goto, K., Chagué-Goff, C., Goff, J., Jaffe, B., Szczucinski, W., Fujino, S., Sugawara, D., Nishimura, Y., Richmond, B., Witter, R., Tappin, D. & Yulianto, E., 2011. Preliminary results for the inundation heights, current velocities, and deposits of the 2011 Tohoku tsunami. Japan Geoscience Union Meeting 2011, 27 May 2011, Chiba, Japan. MIS036-P128.
33. M.A.C. Hotchkis, D. Child, D. Fink and A. Wallner, Investigation of gas stripping at 4MV for high mass negative ions, 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011
34. M.A.C. Hotchkis, D. Child, D. Fink and A. Wallner. Formation of multiply-charged ions with sub-equilibrium gas stripper thickness, 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
35. Hughes CE, Crawford J, Hollins SE. (2011) Precipitation isotopes in the Sydney Region. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, Cairns, 12-14 Jul, 2011. P-38
36. P.D. Hughes, D. Fink, C.R. Fenton and Christoph Schnabel, Extent, timing and palaeoclimatic significance of glaciation in the High Atlas, Morocco, 18<sup>th</sup> INQUA Congress, July 2011, Berne Switzerland.
37. M. Ionescu, D. D. Cohen, M. A. C. Hotchkis, R. Siegele, D. Garton, Z. Pastuovic, D. Fink, A. M. Smith, V. Levchenko, M. Reinhard, J. Dodson, L. Edwards, New ANSTO Capabilities for Energy Materials Characterization, IAEA technical meeting (TM-40585) January 2011, in Argonne National Lab, Illinois, US.
38. M. Ionescu, B. Winton, D. Wexler, R. Siegele, A. Deslantes, E. Stelcer, A. Atanacio, D. D. Cohen, Enhanced biocompatibility of PDMS (polydimethylsiloxane) polymer films by ion irradiation, IBA 2011, 11-15 April 2011, Itapema, Brazil

39. G. Jacobsen, F. Bertuch, K. Sowada, T. Palmer and A. Jenkinson, Radiocarbon dating of linen from an Egyptian mummy. 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
40. K. Joy, N. Carson, D. Fink and B. Storey, In-situ cosmogenic exposure dating in the Meirs and Garwood Valleys, Denton Hills, Antarctica. 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011.
41. David Joseph, Keith Scott, Richard Greene, Ed Stelcer, Assessment of Aeolian Dust Properties in the Port Hedland Area and Implications for Future Air Quality Management Strategies, The 20<sup>th</sup> International Clean Air and Environment Conference, 31 Jul – 2 August 2011, Auckland, New Zealand.
42. McLean W, Meredith K, McPhail DC, Norman MD, Horner KN, McDonald JG (2011) Impacts of extraction on radiocarbon ages in the Lower Murrumbidgee catchment. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, Cairns, 12-14 Jul, 2011. P-44
43. Meredith K, McLean W, Norman M (2011) Identifying groundwater end-members using stable isotopes of silica ( $\delta^{30}\text{Si}$ ) in the Lower Namoi Valley, New South Wales. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, Cairns, 12-14 Jul, 2011. P-46
44. M. Minakshi, P. Singh, D. Martin, D. Appadoo, M. Blackford, and M. Ionescu, LiNiPO<sub>4</sub> Aqueous Rechargeable Battery, 219<sup>th</sup> International ECS Meeting 1-6 May 2011, Montreal, Canada
45. C. Mifsud, T. Fujioka, D. Fink, Extraction and Purification of Quartz Using Phosphoric Acid, 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011.
46. M. David, A. Matmon, D. Fink, R. Hagai, S. Niederman, D. Rood. Dating lacustrine sediments in the central Jordan Valley, Israel: Implications for cosmogenic burial dating, 18<sup>th</sup> INQUA Congress, July 2011, Berne Switzerland.
47. Anthony L Morrison, Peter F. Nelson, Eduard Stelcer, David Cohen, Quantifying Respirable Crystalline Silica in the Ambient Air of the Hunter Valley, NSW-Sorting the Silica from the Silicon, The 20<sup>th</sup> international Clean Air and Environment Conference, 31 Jul – 2 August 2011, Auckland, New Zealand.
48. Morrison, T, Rayburg, S, Hughes, C. (2011) A combined hydrodynamic and mixing model approach to quantify small saline groundwater input into rivers. In Abesser, C. et al (Eds) Conceptual and Modelling Studies of Integrated Groundwater, Surface Water, and Ecological Systems (Proceedings of Symposium H01 held during IUGG2011 in Melbourne, Australia, July 2011) IAHS Publ. 345. 69-74.
49. Larsen J, Nanson G, Cendón DI (2011) Land-atmosphere coupling during the Last Glacial Maximum: An Australian perspective. In INQUA-2011 proceedings (ID-1541)
50. R. Law, Z. Loh, P. Steele, P. Fraser, W. Zahorowski, and D. Etheridge. A global transport model comparison for methane: results for two Australian sites. An oral presentation at the IUGG 2011 General Assembly. Earth on the Edge: Science for a Sustainable Planet. 28 June – 7 July 2011. Melbourne, Australia.
51. Ramirez-Herrera, M.T., Lagos, M. Hutchinson. I., Chagué-Goff, C., Kostoglodov, V., Goff, J.R., Ruiz-Fernandez, A.-C., Machain, M.L., Caballero, M., Goguitchaichrili, A., Aguilar, B., Urquijo, P. 2011. Extreme wave deposits on the Pacific Coast of Mexico: tsunamis or storms? – A multi-proxy approach. Abstract NH33A-1558, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
52. Reardon-Smith KM, Le Brocque AF, Hollins S, Silburn DM (2011) Using stable isotopes to identify soil moisture sources of key species in riparian woodlands of the northern Murray-Darling Basin. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, Cairns, 12-14 Jul, 2011. P-122

53. Richmond, B.R., Goto, K., Fujino, S., Nishimura, Y., Sugawara, D., Tappin, D.R., Witter, R.C., Jaffe, B.E., Chagué-Goff, C., Szczucinski, W., Yulianto, E., Goff, J.R. 2011. Field Observations of Erosion, Deposition, and Tsunami Flow Characteristics on the Sendai Coastal Plain after the March 2011. Tohoku-oki Tsunami, Japan. Abstract NH13G-07, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
54. J. Shulmeister, D. Fink, H. Rother, G. Thackray, The chronology of the last deglaciation from two New Zealand valleys and some climate implications, 18<sup>th</sup> INQUA Congress, July 2011, Berne Switzerland.
55. K. Simon, J. Pedro, A.M. Smith, D. Child, D. Fink, Reprocessing of <sup>10</sup>B-contaminated <sup>10</sup>Be AMS targets, 12<sup>th</sup> International AMS Conf, Wellington, NZ, March 2011.
56. Eduard Stelcer, Anthony L. Morrison, David D. Cohen, Armand J Atanacio, PIXE Analysis of MOUDI Filters, The 20<sup>th</sup> International Clean Air and Environment Conference, 31 Jul – 2 August 2011 Auckland, New Zealand.
57. van der Ley M, Cendón DI, Graham IT, Spencer J (2011) Differentiating recharge mechanisms and groundwater inputs in a carbonate aquifer (NW-Queensland, Australia) In INQUA-2011 proceedings (ID-1035)
58. A. Wallner, K. Buczak, A. Plompen, D. Schumann, V. Semkova. New exotic and non-standard radionuclides in AMS, 12<sup>th</sup> International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
59. A. Wallner, T Belgya, M. Bichler, K. Buczak, I Dillmann, F Kappeler, A Mengoni, F Quinto, P Steier, L Szentmiklosi. A novel approach for neutron-capture studies of <sup>235</sup>-U and <sup>238</sup>-U, 12th International Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand.
60. Waring C. L., Falahat S., Watt G. Development of a surface scanning soil analysis instrument for complete elemental analysis optimised for Carbon. Australian X-ray Analytical Association Conference.
61. C. Waring, S. Falahat and G Watt. Proceeding 2<sup>nd</sup> Global Workshop Proximal Soil Sensing, Eds. V.I. Adamchuk, R.A. Viscarra-Rossel, p120-123, May 15-18 Montreal, Canada.
62. Williams, S.P., Goff, J.R., Davies, T.R., Fai Cheung, K., Yamazaki, Y., Chagué-Goff, C., Prasetya, G., Wilson, T. 2011. Assessing tsunami signatures in the geologic record for long-term risk evaluation, Samoan Islands. Abstract NH33A-1560, AGU 2011 Fall Meeting, San Francisco, 4-9 December.
63. Williams, S., Goff, J., Chagué-Goff, C., Prasetya, G., Cheung, K.F., Davies, T., Wilson, T. 2011. Characterising diagnostic proxies for identifying palaeotsunamis in a tropical climatic regime, Samoan Islands. Proceedings of the MTS/IEEE Oceans 2011 Conference, Kona Hawaii, 19-22 September 2011.