Incorporated not for profit international organisation, funded by membership fees since 1990. (Laboratories, individuals and students)

Overseen by Executive Committee of Jurisdictional representatives

Supported by part-time Executive Officer (paid)

Subcommittees:
  - Laboratory Proficiency Committee
  - Methods Committee
  - Travel Awards Committee
  - Fertcare

http://www.aspac-australasia.com/
Membership
62 paid corporate members
18 paid individual members
15 sponsored members (Pacific and SEAsia)
3 student members

Elected Executive
Chair & NSW Rep            Graham Lancaster
Vice Chair & ACT Rep        Nell Peisley
Secretary & SA Rep          Matthew Wheal
WA Rep                      Chris Gendle
New Zealand Rep             William Bodeker
Pacific Nations Rep         Md. Abdul Kader
Victoria Rep                Paul Kennelly
Qld Rep & GLOSOLAN          Rob De Hayr
Newsletter Editor           Stephanie Cameron
Tasmania Rep & Treasurer Vacant

7th Meeting of the Global Soil Laboratory Network (GLOSOLAN) | 21-23 November 2023
Australasian Soil and Plant Analysis Council (ASPAC)

- ASPAC Executive & Annual General Meeting 25 October 2023
  - Revision of Methods book underway to be known as *Soil Chemical Methods – Australasia and Beyond* (will be published as an ebook)
  - Funding for redevelopment of ASPAC website agreed
  - Annual travel award to be targeted to Pacific Island participants to attend training workshops
- Soil & Plant analysis Workshop 26-27 October 2023

7th Meeting of the Global Soil Laboratory Network (GLOSLAN) | 21-23 November 2023
Soil & Plant analysis Workshop 26-27 October 2023

Topics included

• Requirements for
  • Carbon initiative projects – approved TC and TOC methods and need for ASPAC certification and accreditation
  • Treatment of soil samples for fire ants
  • New Acid Sulphate Soil guidelines
  • Instrument troubleshooting
  • QA/QC, method uncertainty and interpreting results
• Instrumentation
  • ICPMS, MIR/NIR
Pacific Soil Laboratory Workshop from 22nd June to 24th, Darwin

Facilitated by Australian Centre for International Agriculture Research

• the main issues and priorities regarding soil laboratories, soil information and data, and related capacity across all countries
• Many projects in the region working on soil management require local laboratory support
• inform the direction, partnerships and ambitions of the project led by Gigi woods in Soil Science Australia
• Structure proposed for the Pacific Soil Partnership to help coordination and increase visibility
Australian Centre for International Agriculture Research

• Contracted Soil Science Australia project
  • Gigi Woods
  • GAP analysis of the strengths and weaknesses in lab capabilities
  • GAP analysis of the knowledge and skills of soils
  • Developing a model for coordinated support in the Pacific, including support of a community of practice.
  • Development of a pathway to sustainable delivery of analytical services through a regionally coordinated laboratory network

https://www.soilscienceaustralia.org.au/
Coming Up

• 22 November - Soil Analysis, Pacific meeting facilitated by Lucrezia Caon (FAORAP)
• December 2024 - Combined Soil Science Australia, New Zealand Soil Science Conference Rotorua NZ
ASPAC PT – a Case Study
Rob De Hayr
Soil Testing Proficiency for almost 20 years

Approx. 50 tests certifiable

depending on test, 10-52 labs provided results

total of 65 labs, including Australia, New Zealand, all Pacific Islands and some SE Asian
• In SoilChek each laboratory tests 12 soil samples per year, consisting of 3 rounds of 4 samples each.

• The scoring system involves allocation of demerit points for each sample on the basis of the z-score result obtained from method specific statistical analysis.

• Method specific certification is given when a laboratory incurs no more than 4 demerit points for the 12 samples.
• For each test method:
  • **2 demerit points** are allocated to a statistical outlier (ASPAC Score >2 at the first iteration), or if no result submitted.
  • **1 demerit point** is allocated to a statistical straggler (ASPAC Score >2 at the second iteration).
  • A maximum of **3 demerit points** are accrued per round, so that no single poor performing round will incur a laboratory’s certification failure.
### ASPAC Laboratory Certifications 2022

Detailed Annual Reports (PDF format) for all Soil and Plant Proficiency Programs can be downloaded via the following links:

**The ASPAC Inter-Lab Proficiency Program - References and Further Reading**

<table>
<thead>
<tr>
<th>Plant Analysis Annual Reports</th>
<th>Soil Analysis Annual Reports</th>
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ASPAC proficiency certification

[https://www.aspac-australia.com/certified-labs](https://www.aspac-australia.com/certified-labs)
Change in Lab Performance over Time (Soils)

- EC (3A1)
- pH (4A1)
- W&B C (6A1)
- Tot N (7A1/7A2)
- Colwell P (9B1/9B2)
- Olsen P (9C1/9C2)
- PBI Colwell
- DTPA Zn (12A1)
- CaCl2 B (12C1/12C2)
- Extr K (15D3)

Median Robust CV's

- 2005-07
- 2009-11
- 2013-15
Thank you