

Haere mai. Join us to welcome to Tai Tokerau..

Walter Jehne

Mostly Underground New Zealand Tour

A world renown Australian climate scientist and soil microbiologist, Walter has worked extensively on the processes governing natural biosystems that were respected by First Nations in sustaining them.

The Soil Sponge: How carbon and the hydrological cycle can save us.

Tai Tokerau has a growing number of regenerative farmers. Māori landowners are sympathetic to methods of farming that nurture communities and protect Papatūānuku.

Read more about Walter over the page.

Time: 9.00 a.m. Monday 2 March 2020

Venue: Te Puna o Te Matauranga, NorthTec, Raumanga Valley Road, Whangarei

Programme: Powhiri, followed by lunch and a workshop.

Please let us know if you are coming: pbruce@northtec.ac.nz, ph 021 683 145 or cmurupaenga-lkenn@northtec.ac.nz, ph



NorthTec
TAI TOKERAU WĀNANGA



United Nations
Educational, Scientific and
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New Zealand National
Commission for UNESCO
Te Kōmihana Matua o Aotearoa mō UNESCO



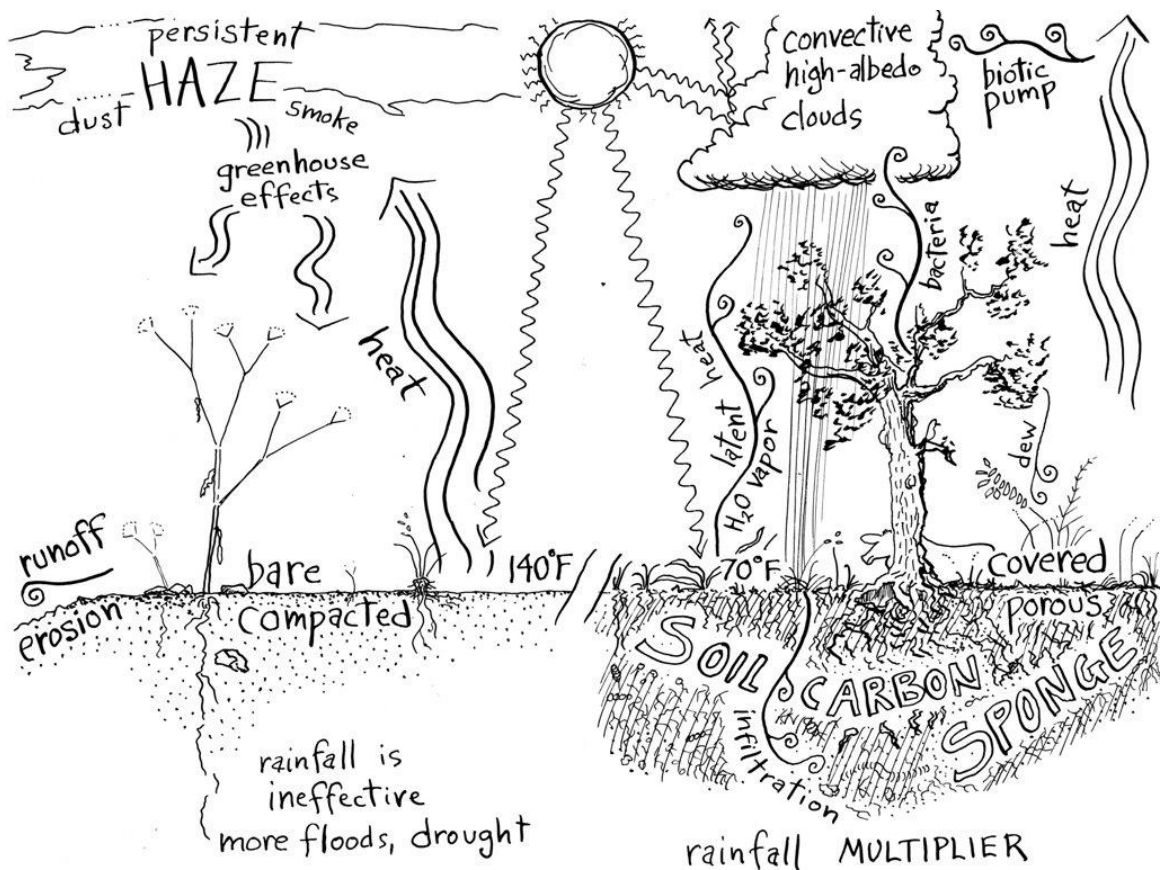


Image from: <https://soilcarboncoalition.org/recognizing-soil-carbon-sponge/>

WALTER JEHNE is an internationally known Australian soil microbiologist and climate scientist and the founder of Healthy Soils Australia. He is passionate about educating farmers, policymakers and others about “the soil carbon sponge” and its crucial role in reversing and mitigating climate change. His work shows how we can safely cool the climate by repairing our disrupted hydrological cycles. That project requires us to return some of the excess carbon in the atmosphere to the soil, where it belongs. In 2017, he participated in an invitation-only United Nations Food and Agriculture Organization conference in Paris aimed at bringing soil into the next Intergovernmental Panel on Climate Change (IPCC) report.

Jehne was an early researcher on glomalin, mycorrhizal fungi and root ecology. He grew up in the bush, surrounded by nature. At university he chose the field of microbiology because it encompasses all life processes in microcosm. As a young man he started his career working on forest dieback diseases in relation to soil microbial interactions. Later he “switched to the dark side” when he realized that the disease fungi were actually our friends because they’re involved with symbiosis, and disease serves to remove and recycle moribund organisms.

As a research scientist at CSIRO (Australia’s scientific research organization), Jehne investigated the potential of mycorrhizal fungi to recolonize toxic, degraded soils and to rebuild productive biosystems. His curiosity took him to China to study why the country’s traditional agriculture was so productive. Later he worked with his federal government on changing the paradigm of land management to foster strategic innovation. He retired 15 years ago so he could get back to practically applying science and grassroots empowerment. He travels widely to share his understanding of the causes and solutions to climate change.

From: <https://www.ecofarmingdaily.com/supporting-the-soil-carbon-sponge/>



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Te Whare Wānanga o Wairaka

Draft programme:

Please note: Timing of the programme is dependent on the powhiri, so times are approximate only.

9.00: Powhiri and kapu ti

10.30: Workshop including:

- Introduction of Walter (Max Purnell)
- Introducing the UNESCO Takahiwai Project exploring soil carbon and the alignment between matauranga Māori and Western science. (Project team) 20 minutes
- The soil sponge (Walter Jehne) as long as it takes 😊
- Discussions and next steps

Lunch will be served at Midday and the programme will continue into the afternoon.

Click here to reserve a place for the workshop or contact Peter Bruce-Iri pbruce@northtec.ac.nz, 021 683 145

Climate Change
Tai Tokerau Northland Trust



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Te Kaunihera ā rohe o Te Taitokerau

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