

WORLD SOIL DAY

5 DECEMBER 2017

Hosted by the Department of Primary Industries and Regional
Development, SoilsWest and Soil Science Australia



In 2002, the International Union of Soil Sciences made a resolution to propose the 5th of December as **World Soil Day**, to honour His Majesty, King Bhumibol Adulyadej of Thailand (1927-2016), a committed environmentalist who played a leading role in the promotion of soil science and conservation, globally recognised as a leader in the promotion of sustainable soil management.

On this day, the global community takes stock of the contribution that the gritty natural asset below our feet has made to our quality of life. Around the world communities will be celebrating their soil success stories through seminars, forums, morning tea soil-cake bake-offs and various other events.

These celebrations:

- Encourage society to strive to improve our understanding of soil;
- Contribute to the increasing professionalism of soil science, natural resource management and the environmental sectors; and
- Represent an opportunity to network and share ideas with colleagues and friends.

World Soil Day (2017) is hosted by the Department of Primary Industries and Regional Development, with the theme "A World of Soil Information – Celebrating WA Development & Innovation." The event will demonstrate that soil is an integral component of our functional and beautiful environment, and the medium in which our life and society is sustained through the provision of ecosystem services and the production of our food. Please join us to celebrate soils on Tuesday 5 December 2017!

Please register your interest to attend this event via <https://soilswest.org.au/event/world-soils-day-celebrating-wa-soil/> or phone Tim Overheu on 9892 8444.

DRAFT PROGRAM (PART I)

Time	Topic	Who
8:30am	Rock in and Register. *Posters and Displays available for viewing from 8:30am	
9:00am	Welcome and House Keeping	
9:10am	Opening: WA World Soil Day forum opening and welcome from the Dept. Primary Industries and Regional Development	Director General, DPIRD (tbc)

*Note: WA University Students have been invited to submit posters of their research and associated project work. The best three Posters will be awarded \$250 each (from SoilsWest) as an incentive for our early career soil scientists!

DRAFT PROGRAM (Cont'd)

<i>Data can make a difference</i>		
9:25am	• <i>Data feeds WA's growing agriculture – north & south (tbc)</i>	Paul Galloway
9:40am	• <i>Local and global relevance of soil data. Soils in the Critical Zone concept.</i>	Matthias Leopold
9:55am	• <i>All the dirt on soil mapping data.</i>	Angela Stuart-Street
10:10am	• <i>YouTube Clip "Digging up data on dirt – Western Australian soil mapping."</i>	
10:15am (30mins)	<i>Morning Tea – celebration World Soil Day Cake & Muffins</i> <i>Posters and Displays available for viewing</i>	Soil Science Australia
<i>What is going on in our soils - can we make a difference?</i>		
10:45am	• <i>From little data, big things show - insights from whole farm nutrient mapping.</i>	David Weaver
11:00am	• <i>The World Beneath Your Feet.</i>	Andy Whitely
11:15am	• <i>Sodic & Magnesian - Slippery soils to manage</i>	Ed Barrett-Lennard
11:30am	• <i>WA soil constraints—tackle them one at a time or all together?</i>	Chris Gazey & Co
11:45am	• <i>Grower engagement – Launch of SoilsWest iBook</i>	Fran Hoyle
12:05pm	<i>Guest speaker: Petra Tschakert Petra is the lead author on the next Intergovernmental Panel on Climate Change (IPCC) report, and will briefly discuss what World Soil Day means in the context of her work, including presenting a broader perspective on importance of future soil research to impact of human displacement, conflict, contamination, food security.</i>	
12:30pm	<i>Lunch - Posters and Displays available for viewing</i>	
1:15pm	• <i>Best Student Poster announced.</i>	Fran Hoyle (Director, SoilsWest)
1:30pm	<i>Event Close</i>	John Ruprecht (Executive Director, DPIRD)

Thank you for celebrating 'soil' with us on World Soil Day, 2017. We wish you well in your ongoing study of this incredible natural resource, and encourage you to tell others about our wonderful soils, because – the food on our table, the resilience of our landscapes, the storage of organic carbon and the filtering of our water supply systems are all a function of our versatile, yet sensitive soils. #WSD2017.

Colourful and engaging posters and displays available for viewing

- *Emerging and novel field techniques and application of drone/sensor technology to landscape investigation and value adding (includes Drone footage of the 2017 big soil erosion event)– **Nick Wright***
- *3D Imaging for faster/ rapid soil condition assessment - **Craig Scanlan/ Mohammad Bennamoun***
- *SoilsWest Soil Quality iBook – **Fran Hoyle***
- *Soil Science Australia membership stand – **Deb Pritchard***
- *WA Report Card on sustainable natural resource use in agriculture – **John Simons***
- *Soil mapping results from various DPIRD R4R Projects winding up in 2018 (**Adam Lillicrap, Chris Schelfhout**)*
- *Augmented Reality Sandbox – **Nick Wright** (in Foyer, near Seminar Rm 1 entry door)*
- *NR-Info walkthrough online data display – **Justin Laycock***