

WILDFIRE SEMINAR SERIES

In 2022, Scion organized a series of webinars to facilitate networking and knowledge sharing among our end users. If you're interested in learning more about current research in wildfires nationally and internationally, click on the videos below to watch. These webinars feature experts from both national and international contexts, providing valuable insights into wildfire management and mitigation strategies.

Wildfire Seminar Series #1 – Conference Welcome

Conference Welcome - Nathaniel Melia & Grant Pearce [Video Link](#) 1hr 44min

Wildfire Seminar Series 2 – Extreme Fire Behaviour

Preparing NZ for Extreme Fire – Tara Strand (Scion) [Video Link](#) - 28min
Update on NZ Experiments and modelling of wildland fires (USDA) [Video Link](#) -37min
Atmospheric Turbulence – Marwan Katurji (UC) [Video Link](#) -10.17min
Fire Spread and Hot Parcel Analysis – Ben Schumacher (UC) [Video Link](#) -10min
Fire spread image analysis techniques – Andres Valencia (UC) [Video Link](#) -22.30min
[Q&A session - Wildfire Seminar Series #2](#) -58.24min

Wildfire Seminar Series 3 – Social Science

Wanaka community case study (Mt Iron) – Lisa Langer (Scion) - [Video Link](#) -21.32min
Regional and national surveys (quantitative) – Simon Wegner (Scion) [Video Link](#) -22min
Mt Iron community education – Mark Mawhinney & Oliver Varley [Video Link](#) -20.50min
Lifestyle block owners community action model – Maria Hepi & Graeme Nicholas [Video Link](#) -13.40min
Integrating formal and informal volunteers – Andrea Grant (Scion) [Video Link](#) -21.28min
Recording of the Q&A session #3: [#3 Q&A Link](#) -1hr

Wildfire Seminar #4 - Tools and Technology

Real time fire and smoke forecast tool – Ilze Pretorius & Wayne Schou (Scion) [Video Link](#) -20.20min
Canadian use of psaaS (Prometheus) – Neal McLoughlin (BCWS) [Video Link](#) -12.45min
Burn extent mapping – remote sensing – Kurt Joy (FENZ) [Video Link](#) -20.24min
Air attack VR training – Rory Clifford (HITLab NZ) [Video Link](#) -16.12min
Sensors – Richard Parker (Scion) [Video Link](#) -11.16min
Recording for the Q&A session #4: [#4 Q&A Link](#) -1hr

Wildfire seminar series #5 - Fuels and Fire Ecology

NZ fire ecology – Dr Nicola Day (VUW) [Video Link](#) -19.34min
Plant flammability – Dr Tim Curran (Lincoln Uni) [Video Link](#) – 22.07min
DOC Wildfire research – Brendon Christensen (DOC) [Video Link](#) -16.08min
LiDAR fuel structure – Robin Hartley (Scion) [Video Link](#) -18.22min
Recording of the Q&A session#5 [#5 Q&A Link](#) -1hr1min

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Wildfire Seminar Series #6 – Cultural

- FENZ Kaupapa Māori/Hiwa-I-Te-Rangi – Piki Thomas (FENZ) [Video Link](#) -19min
- Research on Māori use of fire – Lisa Langer (Scion) [Video Link](#) -21.19min
- Targeted protection – Mel Mark-Shadbolt (TTW) [Video Link](#) -38.17min
- Kāuta design project – Ilze Pretorius (Scion) [Video Link](#) -16.33min
- Recording for the Q&A session #6: [#6 Q&A link](#) -1hr 04mins

Wildfire Seminar Series #7 – Learnings from the Ohau Wildfire

- Ohau wildfire – the fire itself – Graeme Still (FENZ) [Video Link](#) -14.13min
- House loss analysis – Simon Davis & Omar Abu Hijleh (FENZ) [Video Link](#) -16.26min
- Fire data storyline – Ben Fairweather (FENZ) [Video Link](#) -19.07min
- Ohau Wind modelling – Marwan Katurji & Jiawei Zhang (UC) [Video Link](#) -12.43min
- Recording for the Q&A session #7: [#7 Q&A Link](#) – 56.24min

Wildfire Seminar Series #8 – Rural Urban Interface

- Wildfire risk mitigations – Simon Wegner (Scion) [Video Link](#) -7.55min
- RUI mapping – Grant Pearce (FENZ) [Video Link](#) -15.35 min
- Recording for the Q&A session #8: [#8 Q&A link](#) - 54.33min

Wildfire Seminar Series #9 – Application

- Community fire risk planning – Tony Teeling (ICL) [Video Link](#) -13.13 min
- Farmer burn research and training tool – Karen Bayne (Scion) [Video Link](#) -14.22min
- Soil moisture – Grant Pearce (FENZ) [Video Link](#) -17.02min
- Recording of the Q&A session #9: [#9 Q&A Link](#) -44.44min