

silver- and mountain beech, podocarp, shrubs, ferns Vegetation above treeline: snow grasses (daisies buttercups), tussock, native alpine plants Soil: peaty organic rich soil, water-logging due to cold and wet conditions, thin earth layer → tree avalanches

Development of a novel, multi-proxy analytical approach for lignin and levoglucosan in speleothems according to Green Chemistry Application to speleothem samples from different caves in New Zealand

Successful proof-of-principle study  $\rightarrow$  results generally agree with type of vegetation

New insights into lignin transport processes (adsorption to particles in dry conditions, transport by water in wet conditions)

Further method optimization especially for levoglucosan enrichment and a 2D-LC method

1 Baker A. et al. (2008)

References:

