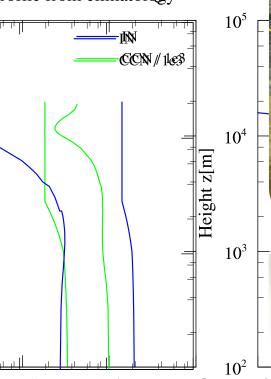


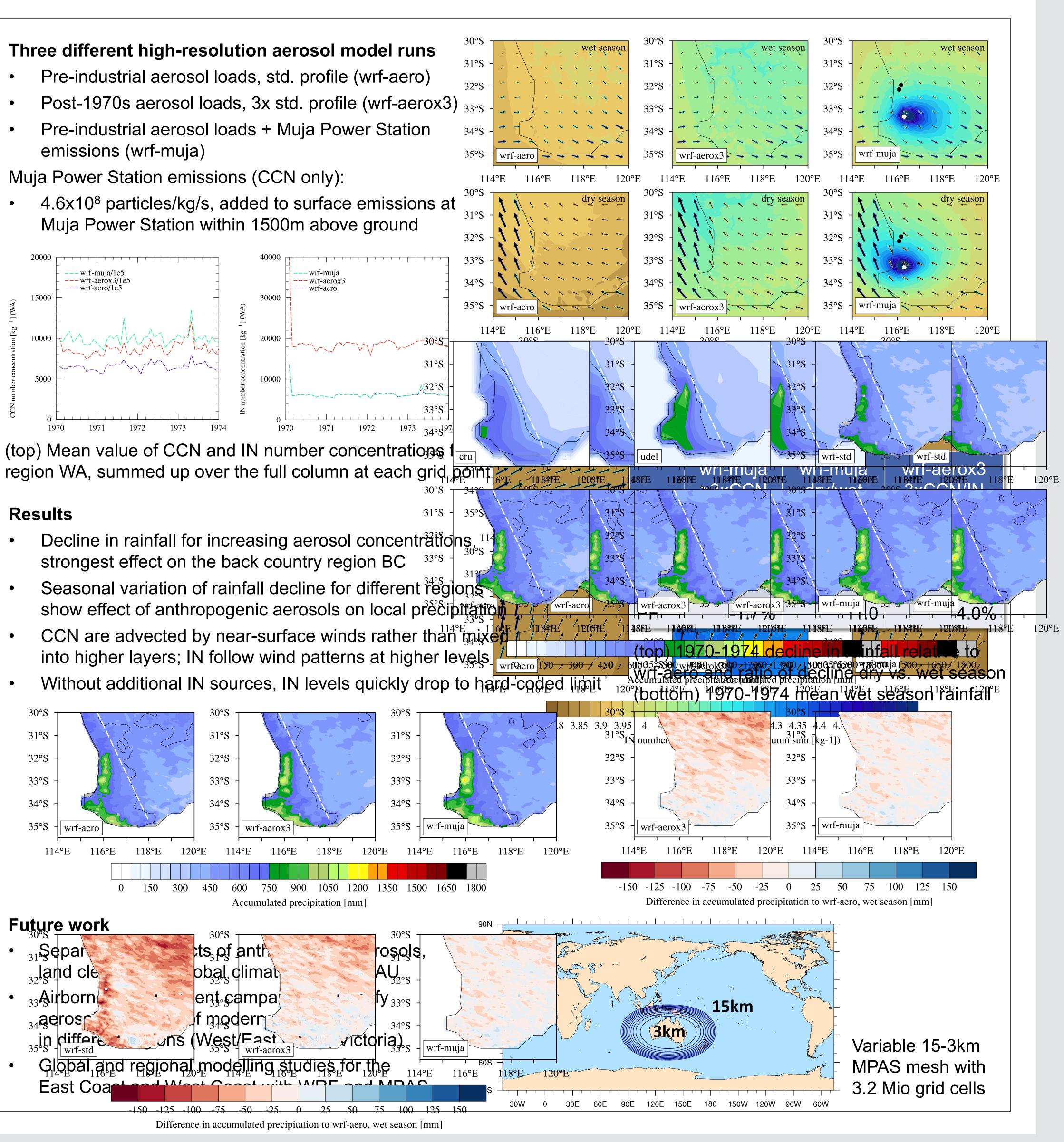
<sup>10<sup>3</sup></sup> CCN/IN emissions from observations 10<sup>2</sup> (right) climatology  $^{10}$  for  $2^{10}$  00 - 20 07  $^{10^{6}}$ Number concentration [particles m=3]

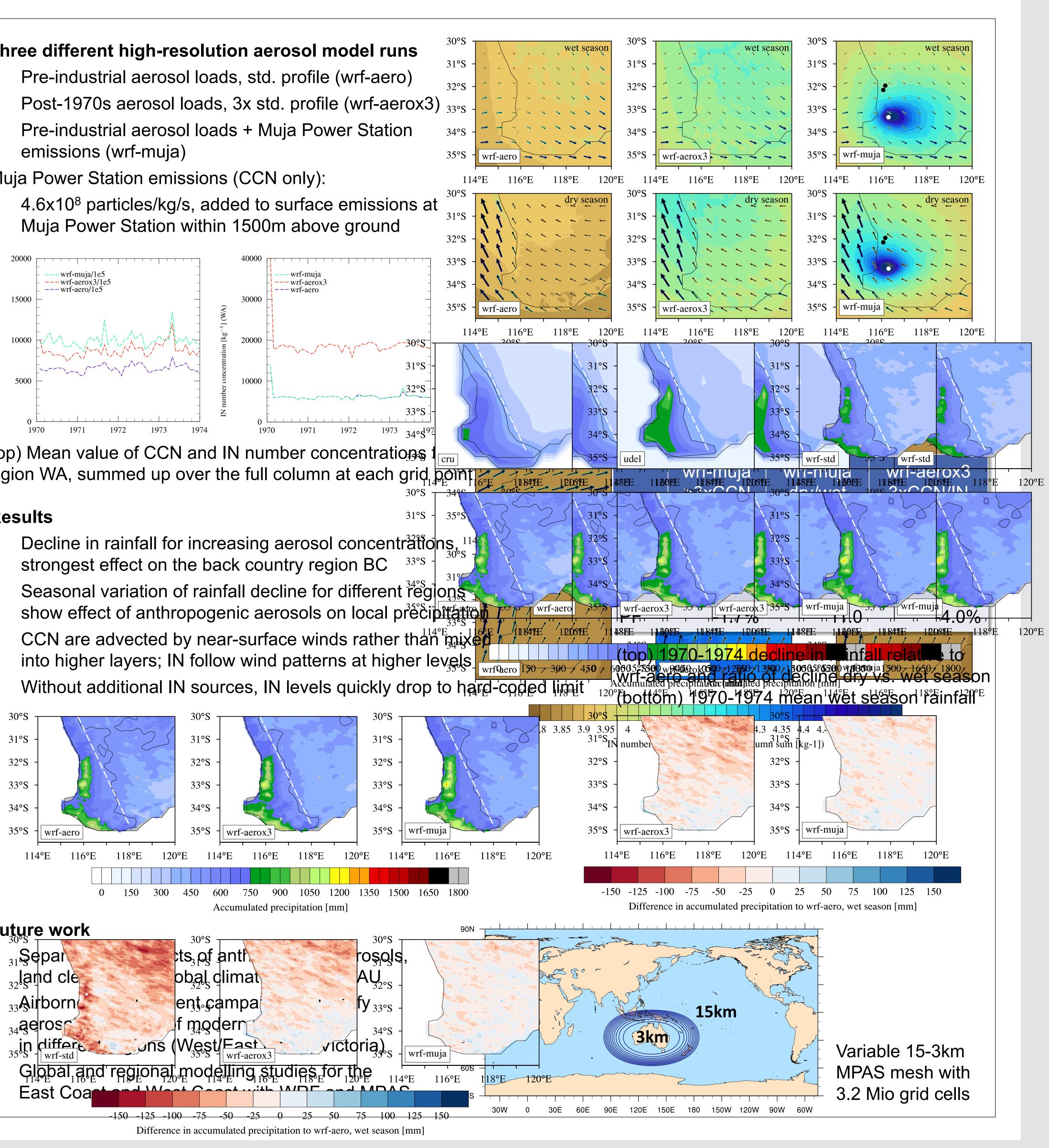
# Aerosol-aware, convection-resolving climate modelling Anthropogenic aerosol emissions and rainfall decline in South-West Australia



oncentration [manticles m-3

Airborne measurements of CCN emission rates of coal power plants in East Australia with similar size (Junkermannand Hacker, 2015)







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D. Heinzeller, W. Junkermann, H. Kunstmann, 2016: Journal of Climate, 29, pp. 8471-8493