



AC1 Alison Chick, 22/11/2021

Introduction

- Initial presentation of NIWA capabilities to lines company representatives at Electricity Networks Assn. quarterly meeting
- Data Science: Hindcast analysis of geo located weather-related outage data; thresholds established for lines assets
- Tool forecasts future outage events out to 5 days for various weather elements using NIWA NZCSM 1.5 km resolution forecast data updating 4x per day
- Next phase: auto ingest of outage data in near real time with application of M/L to continually narrow error bands
- Deterministic to Probabilistic Forecasting 18 members
- Auto reporting for ComCom

Climate, Freshwater & Ocean Science



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