**Commute forecasts to support active transport modes**

Weather can have a large impact on transport decisions. Internal MetService research into the relationship between weather conditions and Wellington bike counter data found relationships between commuting behaviour and air temperature, rain, wind strength, and even whether wind was from a southerly direction. However, users often do not have the information or context needed to decide which weather will be most impactful and how to adapt their journey to take into account weather conditions.

In this presentation we report on the development of user friendly commute forecasts for metservice.com and the MetService mobile app for 3 main NZ centers. The development process included the baseline analysis described above, a pre-development survey, a partnership with MetLink for public transit information, user feedback and ongoing adaptations to incorporate new data sources. The format is designed to strike a balance between detailed data and actionable recommendations and to capture changing conditions during the commute ‘window’.

Future options for the commute forecasts, and opportunities to incorporate environmental observation methods into walking and bike network design to improve the accuracy of forecasts, will also be discussed.