# Use of ensemble guidance for operational forecasting

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The Australian Bureau of Meteorology is proposing to provide a seamless routine national forecasting service from two centres instead of the current 7 State-based offices.  A related goal is to automate as much of the routine forecast production as possible over the next couple of years, so that forecasters can focus on providing the highest value services. That is also the common intention or practice of overseas Meteorological Agencies. In the Bureau, this has required probabilistic post-processing of rainfall guidance that is good enough to support the automation and increase forecast skill.  The Bureau is also looking to post-processing to help maximise the benefits of the investment in ensemble modelling and support enhanced risk and impact-based services to the community.

In order to provide better and more cost-effective risk-based post-processing, the Bureau is actively pursuing a collaboration with the UK Met Office on their 'IMPROVER' framework.

Increased automation of operational forecasting and the development of probabilistic services throws up issues to be worked through; several examples will be discussed.