Weather Decisions Social Science Project for YOPP-SH Winter TOP-1

Go?  ❓  No go?

100% confident?

Victoria (Vicki) Heinrich
PPP-SERA task team member
Email: vicki.Heinrich@utas.edu.au

PhD candidate
School of Psychological Sciences
University Of Tasmania, Australia

Supervisors: Prof Kimberley Norris, Dr James Sauer, Dr Matthew Palmer, Prof Andrew Heathcote

The 6th YOPP-SH Meeting, 2021
Weather Decisions Social Science Project for YOPP-SH Winter TOP-1

Decision of Interest
Go/ no go decisions to release additional radiosondes, or not, for each weather event (can include other data collection)

Before TOP
• Expectations & goals - what, how, why
• What does a successful TOP look like?
• Agreement to participate (or not), methods

During TOP - Team Record Keeping
• Weather event
• Decision timeline
• Information Sources
• Process & procedure (decision tree)
• Forecast advice
• Consensus – final decision go / no go
• Individual confidence in the decision (0-100%)
• This will be a part of the teams’ procedures

Outcomes
Empirical evidence to assess the quality of the decision-making during the TOP, outcomes, and success of the TOP project.

For example:
• Summarise decisions, sources, procedures, changes, challenges
• TOP goals: compare before & after
• Verification, confidence
• Retrospectively: good or poor decisions?
• Did the TOP sonde data meet researcher needs?

Thoughts and suggestions?

Metacognition: awareness or analysis of one’s own learning or thinking processes (Flavell, 1979)