



Understanding Community and Preparedness: Building Towards Bushfire Prepared Individuals.

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PhD planned activities and progress

August 2011	Begin PhD - Review literature for potential topic
December 2011 - January 2012	Finalise topic – Present research proposal to University
February 2012 – August 2012	First study (meta – analysis) data collection and review
September 2012 – March 2013	Finalise meta-analysis and write up / Mail out second study survey
April 2013 – August 2013	Data analysis and write up for second study / plan third study
September 2013 – August 2014	Conduct and analyse third study / plan and conduct fourth study
September 2014– August 2015	Finalise all study results and collate dissertation



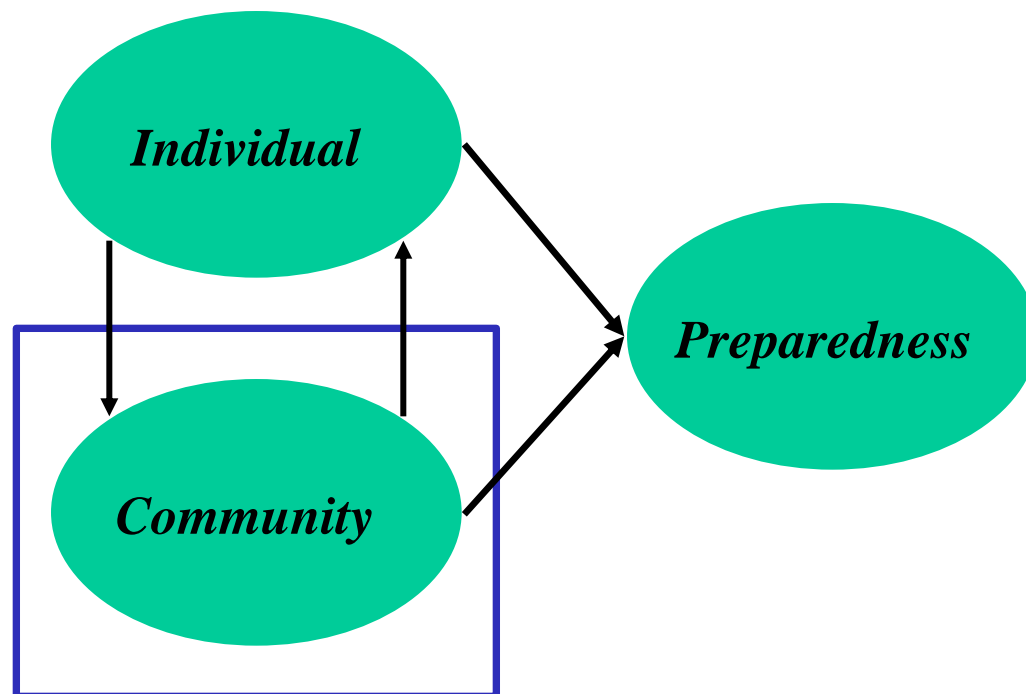
Review Literature

Finalise Topic

Meta analysis

Second study

Beyond





Community



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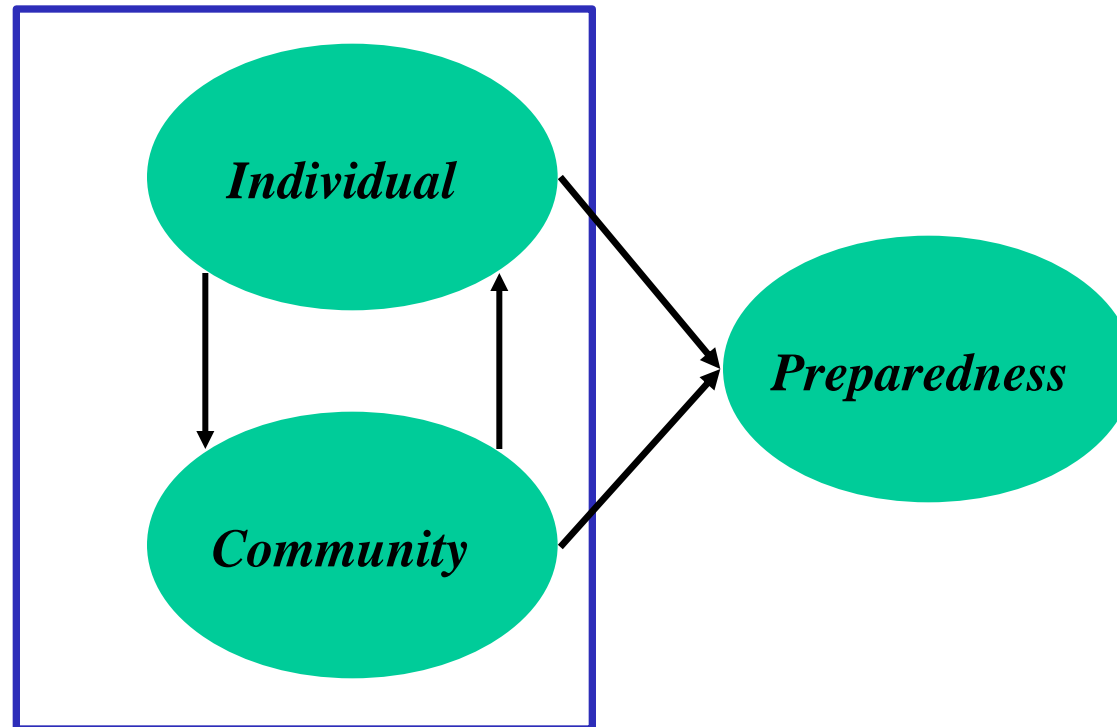
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Person Environment Fit

- Traced back to early theories of job satisfaction
- Based in interactional psychology
- \uparrow Fit \rightarrow Higher positive outcomes
- \downarrow Fit \rightarrow Lower positive outcomes



Review Literature

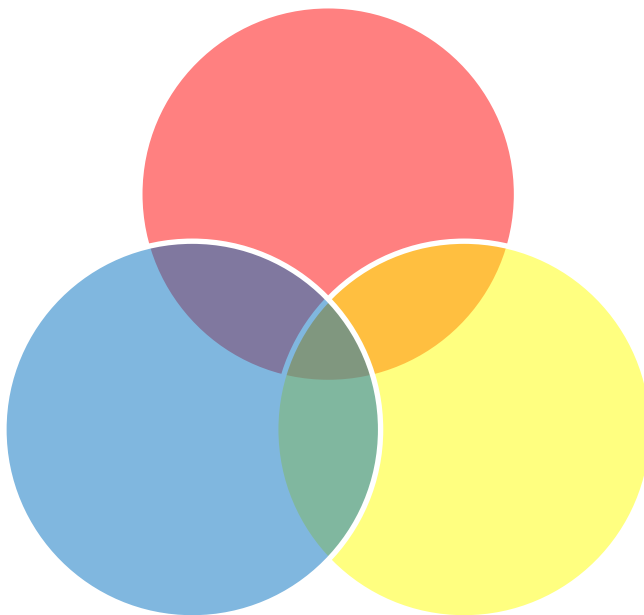
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Person Environment Fit





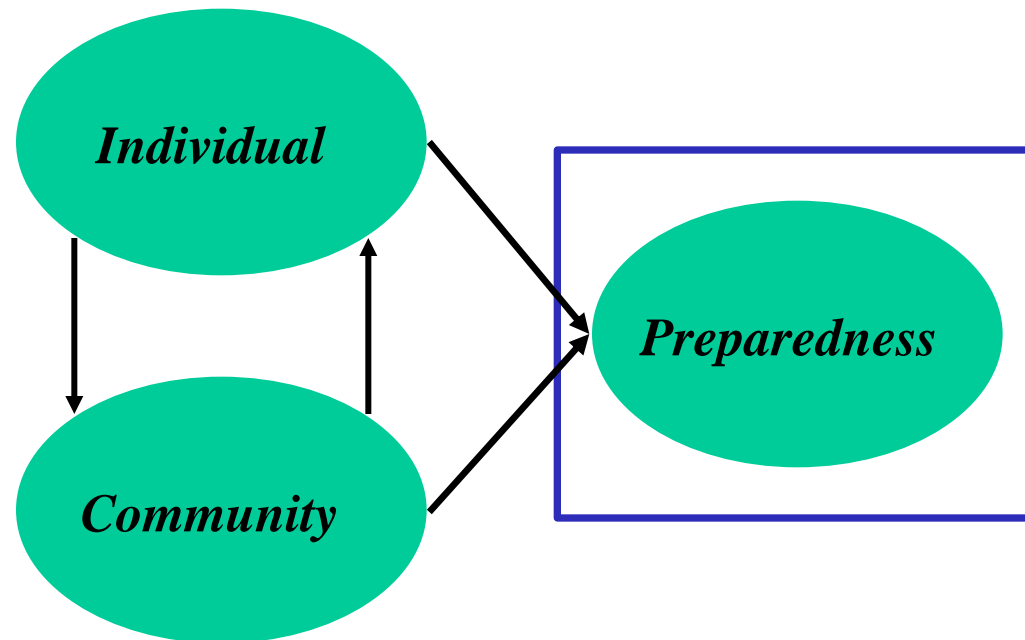
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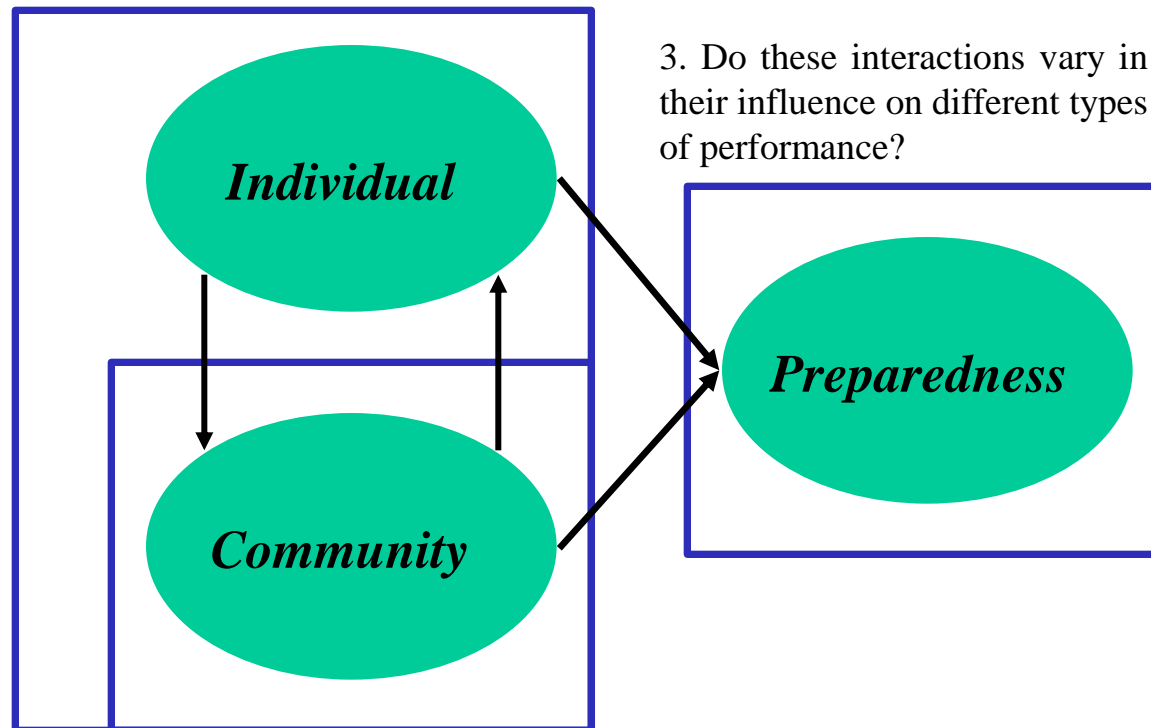
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Preparedness

- The Model of Work Role Performance is an example of differential performance.

	Proficient	Adaptive	Pro-active
Individual			
Team			
Organisational			

2. How do individual and community level factors interact in their influence on preparedness behaviour? More specifically, can a person-environment fit approach be used to explain the interactions between individual level factors and community level factors, and their influence on preparedness?



3. Do these interactions vary in their influence on different types of performance?

1. How do individuals understand/interpret the concept of community in relation to bushfire risk; and how do possible individual differences in this understanding relate to preparedness?

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Meta-analysis

- 115 initial sources, after exclusion
 - 66 (seven non-published) unique effect sizes remained for a total sample size of 21,228
- Moderators
 - Type of Fit
 - Performance Outcome
 - Measurement Technique



Synthesis forest plot

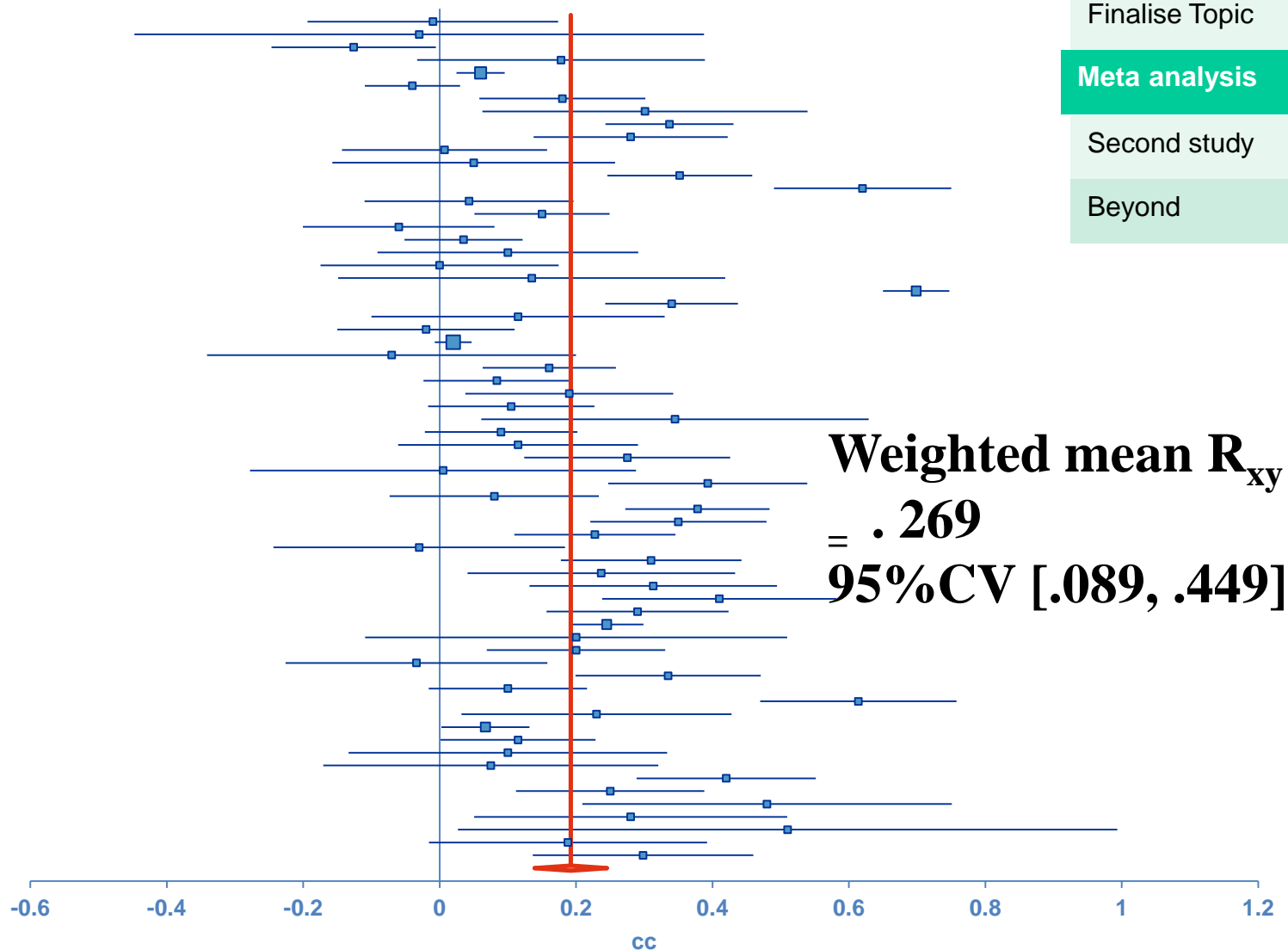
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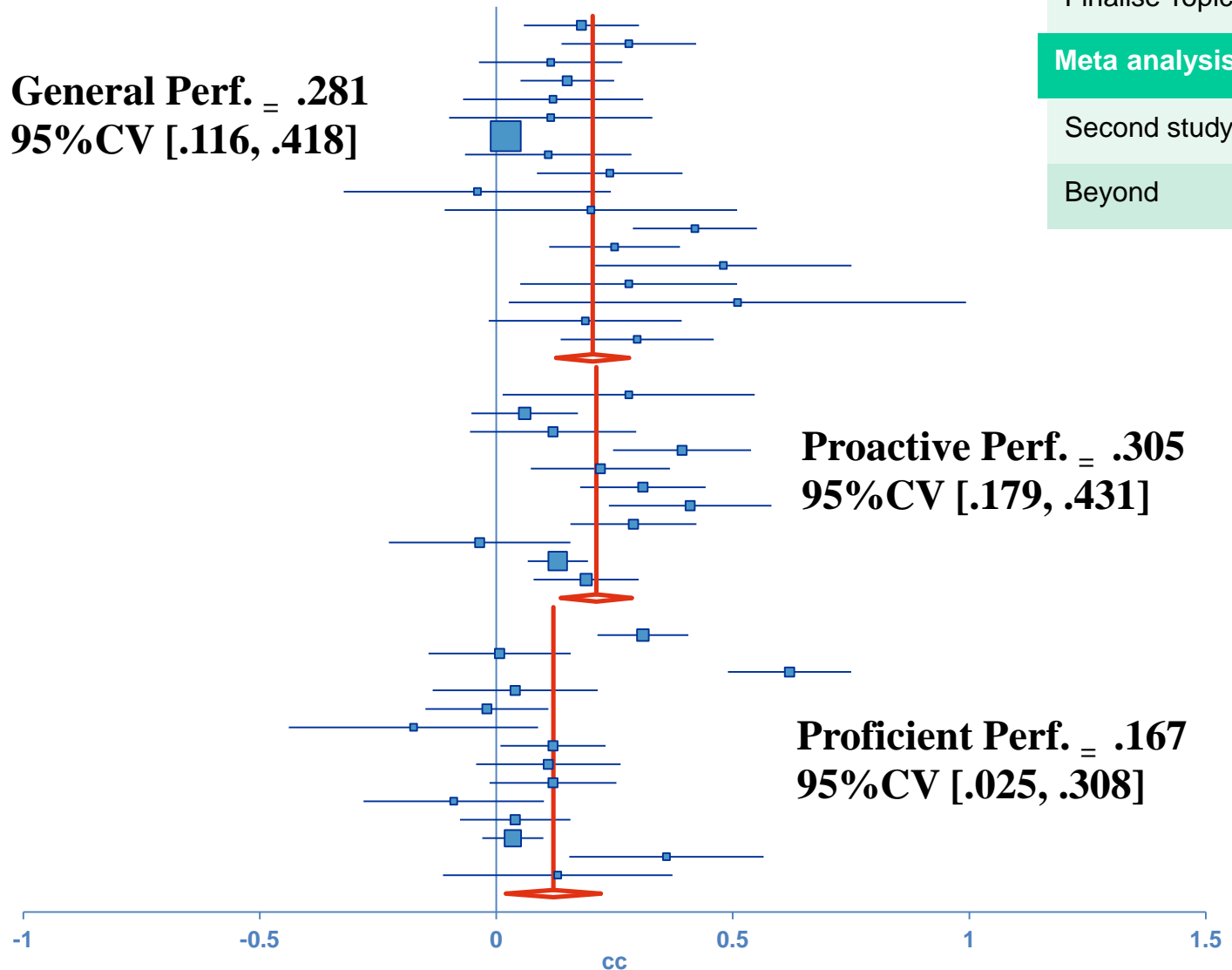


PO fit by performance type

General Perf. = .281
95%CV [.116, .418]

Proactive Perf. = .305
95%CV [.179, .431]

Proficient Perf. = .167
95%CV [.025, .308]



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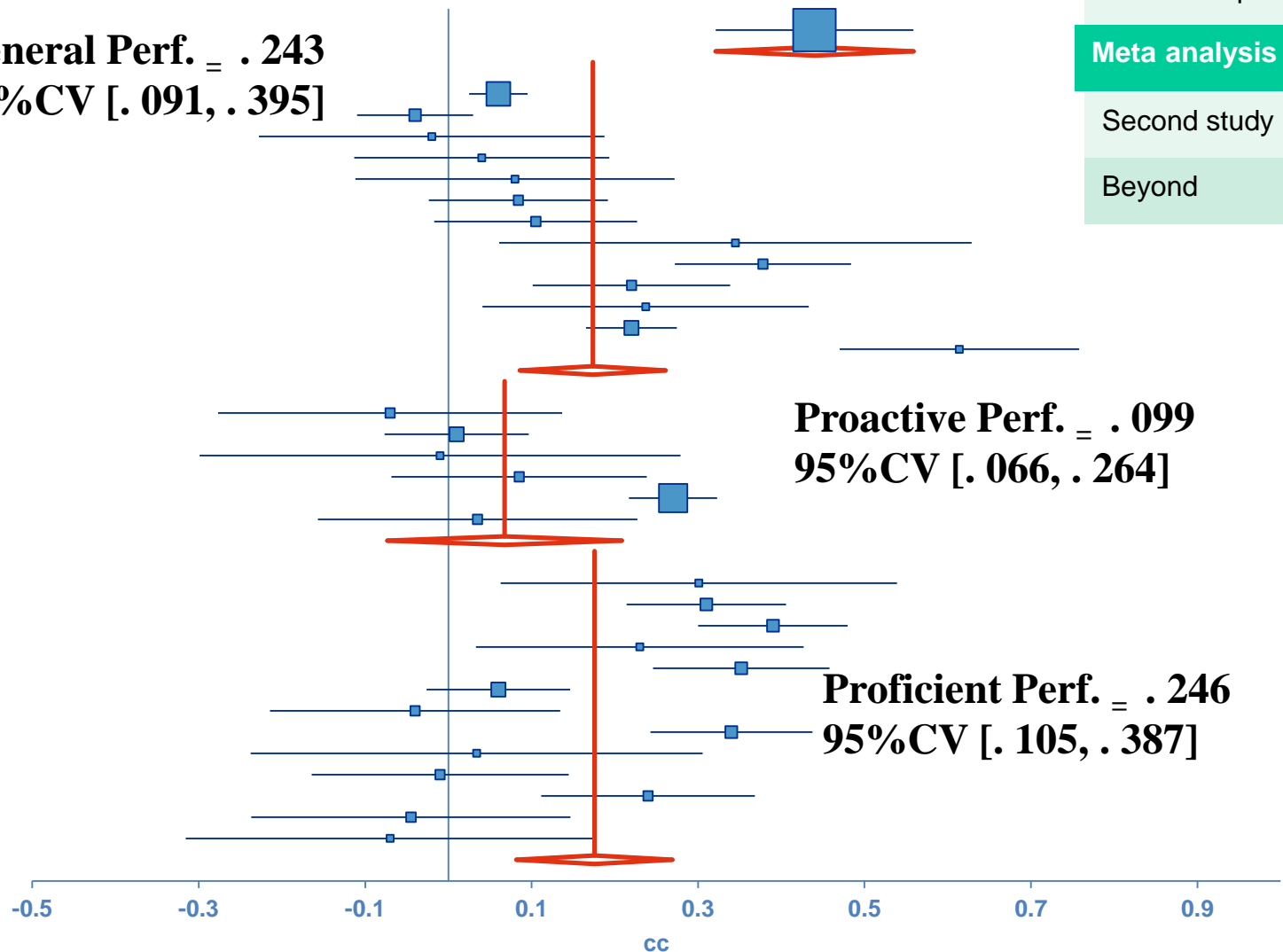


PJ fit by performance type

General Perf. = .243
95%CV [.091, .395]

Proactive Perf. = .099
95%CV [.066, .264]

Proficient Perf. = .246
95%CV [.105, .387]



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Preparedness context

- Mail out survey within Australia
 - Demographics
 - Risk Perception
 - Community Understanding
 - Community Fit
 - Complementary fit
 - Supplementary fit
 - Perceived Proficiency
 - Perceived Pro-activeness
 - Behavioural Check-list

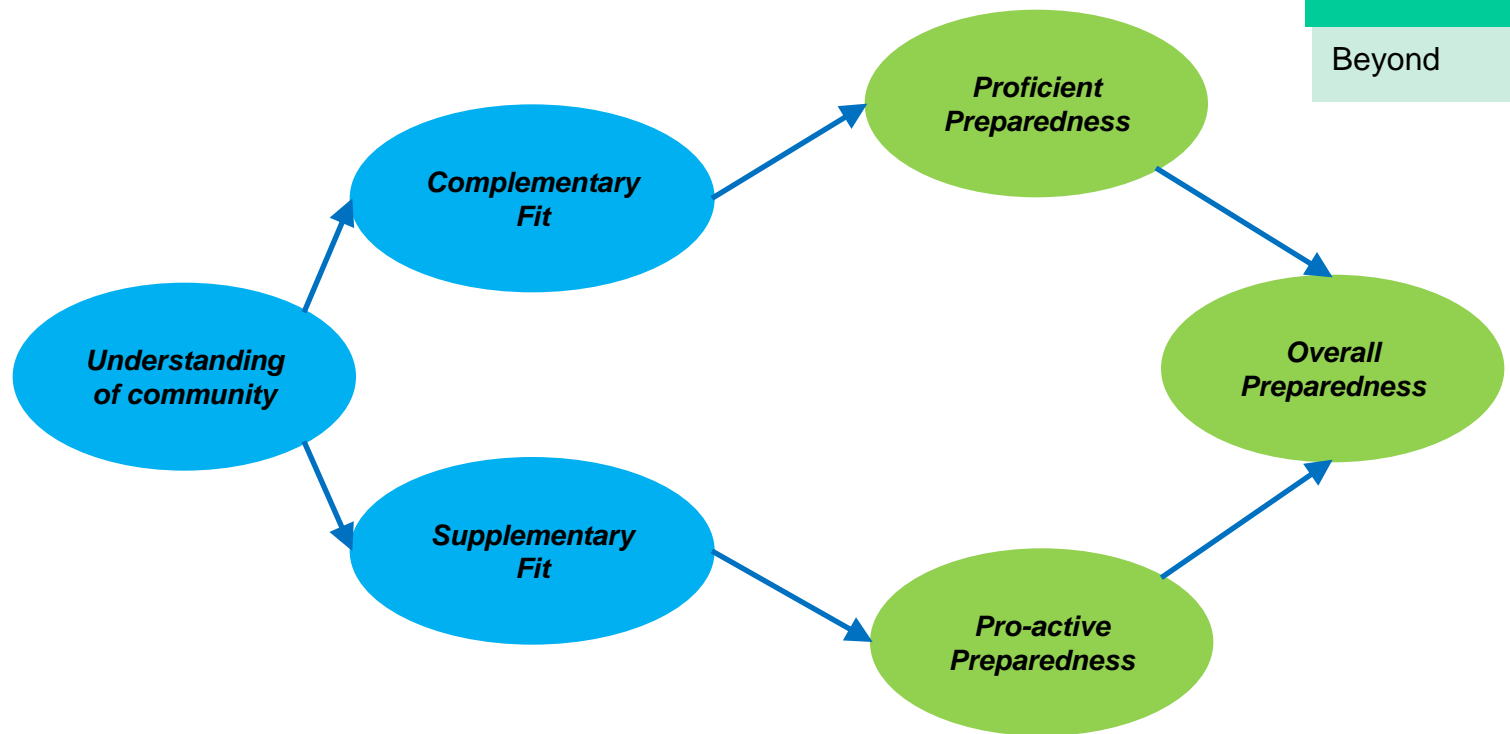
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Plan A

Time lagged design

Plan B

Time lagged design

Plan C

Predicting differential performance

Plan D

Exploring the unique contribution
of PE fit to preparedness

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