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Session 1: Partner perspectives and user needs

Title: Understanding heat-health vulnerability and impacts with integrated, cross-domain data

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Ongoing, cross-agency collaboration and applied research led by the Australian Climate Service is developing new integrated, cross-domain datasets and analytical approaches for understanding the impacts and consequences of climate related hazards. For example, heat impacts on human health are driven by a complex set of factors, including the characteristics of individuals and where they live, in addition to weather and climate extremes. Understanding this complexity is difficult as relevant datasets and subject matter expertise sit within different disciplines and organisations and are not readily available on comparable spatial and temporal scales. Here, we describe the motivation and lessons learned from this collaboration and review major findings and their implications for identifying adaptation responses relevant for decision making.