

What's in our waste?

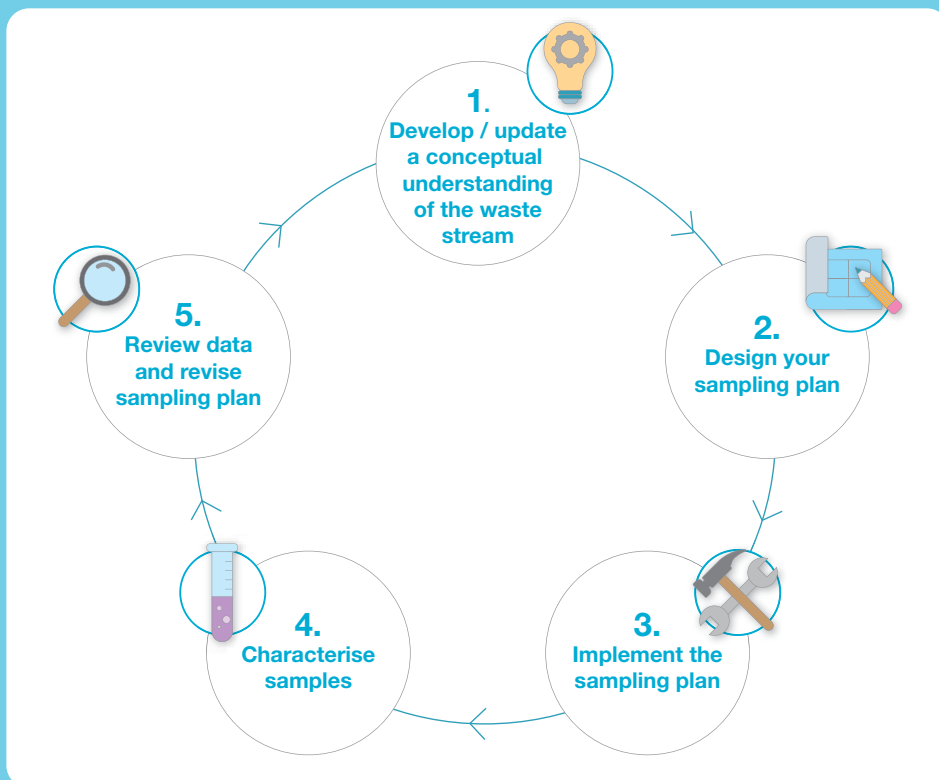
The Hub is enabling a systemic, transformative response to Australia's sustainability, waste, and pollution challenges. A key research priority identified for safe waste reuse and circular economy is understanding **"What's in our Waste?"**.

Generating reliable and high quality data from complex waste materials is challenging. Sampling can directly impact the quality of data, and as a result, robust sampling plans will underpin evidence-based decision making about waste and resource recovery.

The "Guidance on Sampling Complex Waste Materials" is a document that was developed by the IP3 research team to enable the identification, characterisation, and quantification of the risks of chemicals contained in waste-derived and secondary materials through the iterative design of robust and relevant sampling campaigns.

End-of-life tyres are a current national priority waste stream and were used as an initial case study to develop Version 1.0 of the guidance document and demonstrate how sampling plans can be designed for complex waste material characterisation.

Principles of sampling plan design for complex waste materials



The guidance document provides a pragmatic and logical approach for the design of reliable sampling of complex waste materials based on a clear and conceptual understanding of the waste stream. The document is intended to be transferrable across waste streams and will be iteratively improved as more intensive sampling occurs, and other waste streams are investigated.

More information

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