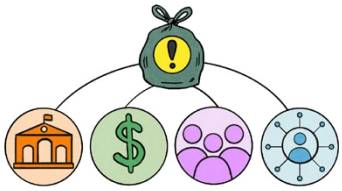
Choosing priority waste streams to advance our knowledge of waste chemicals and their risk

Version 1

Using priority waste streams, we can develop transferrable guidelines, analytical and methodology frameworks to characterise chemicals in complex waste materials, recovered resources and products with recycled content.

How do we decide which waste streams to assess?

What are research users interested in?



Understanding Federal and state government, industry, peak body and community waste and resource recovery priorities helps to identify overlapping concerns for waste and chemical management.

What do we know from research?

Current and emerging waste and waste chemical research can help to identify where we should focus research investment.

What is happening internationally?

Internationally, chemicals, articles, products and their waste are increasingly being regulated as the world moves towards circular economy. This can provide knowhow that can assist us to manage chemicals in wastes and recovered resources in Australia.

How are the materials managed in Australia?

Identifying how materials are recycled and reused in Australia can help to identify any potential risks and pathways for chemical exposures during the second life of wastes.

Waste streams were identified as priorities for assessment by Australian state and federal government regulators through a series of co-design workshops held across 2021 and in line with waste and chemical management and circular economy priorities and industry engagement.

Wastes streams prioritised for assessment include end of life tyres, electronic and lithium-ion battery wastes and electronic cable sheathing materials generated from recycling.

Prepared by Naomi Boxall, Project Lead | Learn more about IP3 here
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