

Innovation and the Circular Economy - Tyre Recycling and Value-Added Manufacturing

Webinar

Monday 29 August 2022
10:00am - 11:45am (AEST)

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TICKETS

AIEN Member: \$77 inc GST
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In Australia in 2018/19, it is estimated that 465,000 tonnes of tyres reached end of life. About 41% of these tyres were from passenger cars, 34% was truck tyres and 25% was off-the-road tyres¹. In December 2021, the Commonwealth's export ban came into effect, prohibiting the export of whole and baled tyres for processing and energy recovery overseas. Prior to the ban coming into effect, 56% of Australia's end of life tyres were exported overseas.

Fortunately, domestic investment in new tyre processing and recycling infrastructure has occurred, reducing the nation's dependence on export markets. Though there is a lot more to do to build robust domestic infrastructure and markets for tyre-derived products, to avoid the unlawful stockpiling of tyres and disposal in landfill.

In this webinar, we will explore some recent innovations in tyre recycling and markets for recovered tyre materials, to help build a local circular economy for this material. The webinar will showcase new processing infrastructure, innovative market applications and whole of industry work to boost tyre recycling and markets for tyre derived products.

¹ Tyre Stewardship Australia (2020). Used tyres supply chain and fate analysis. June 2020. Internet publication: <https://www.tyrestewardship.org.au/wp-content/uploads/2020/06/Used-Tyres-Supply-Chain-and-Fate-Analysis-1.pdf>

PRELIMINARY PROGRAM

1000 Welcome, Setting the Scene and Webinar Objectives

Dr Mark Jackson, Jackson Environment and Planning Pty Ltd

- Introduction to the webinar
- Overview of the state of tyre recycling in Australia and challenges
- How the export ban is affecting some parts of industry, and need for value added processing infrastructure and markets

1015 Tyrecycle's New Erskine Park Crumb Rubber Production Facility

Mr Jim Fairweather, CEO, Tyrecycle

- Overview of the project and drivers
- Developing Australia's largest crumb rubber production facility – challenges and opportunities
- State of markets for tyre derived products and work needed domestically

1140 Tyre Recycling from a Steel Perspective

Dr Joe Herbertson AM, Director, Skye Point Innovation

- The wider context of steel sustainability - strengths, challenges and responses
- The specific practice and benefits of making rubber crumb additions in EAF steelmaking
- Case study: taking R&D and technology demonstration through to commerciality
- Reflections on sustainability driven innovation

1100 Comfort Break

1100 The National Tyre Export Ban and Work to Create New Markets for Tyre Derived Products

Ms Julie Went, Sustainability Manager, Tyre Stewardship Australia

- About TSA – Australia's national tyre product stewardship program
- The waste export ban and tyres – challenges and opportunities
- Sector wide market development program & initiatives to support industry

1135 Comments, Questions and Discussion

1145 Webinar Close
