

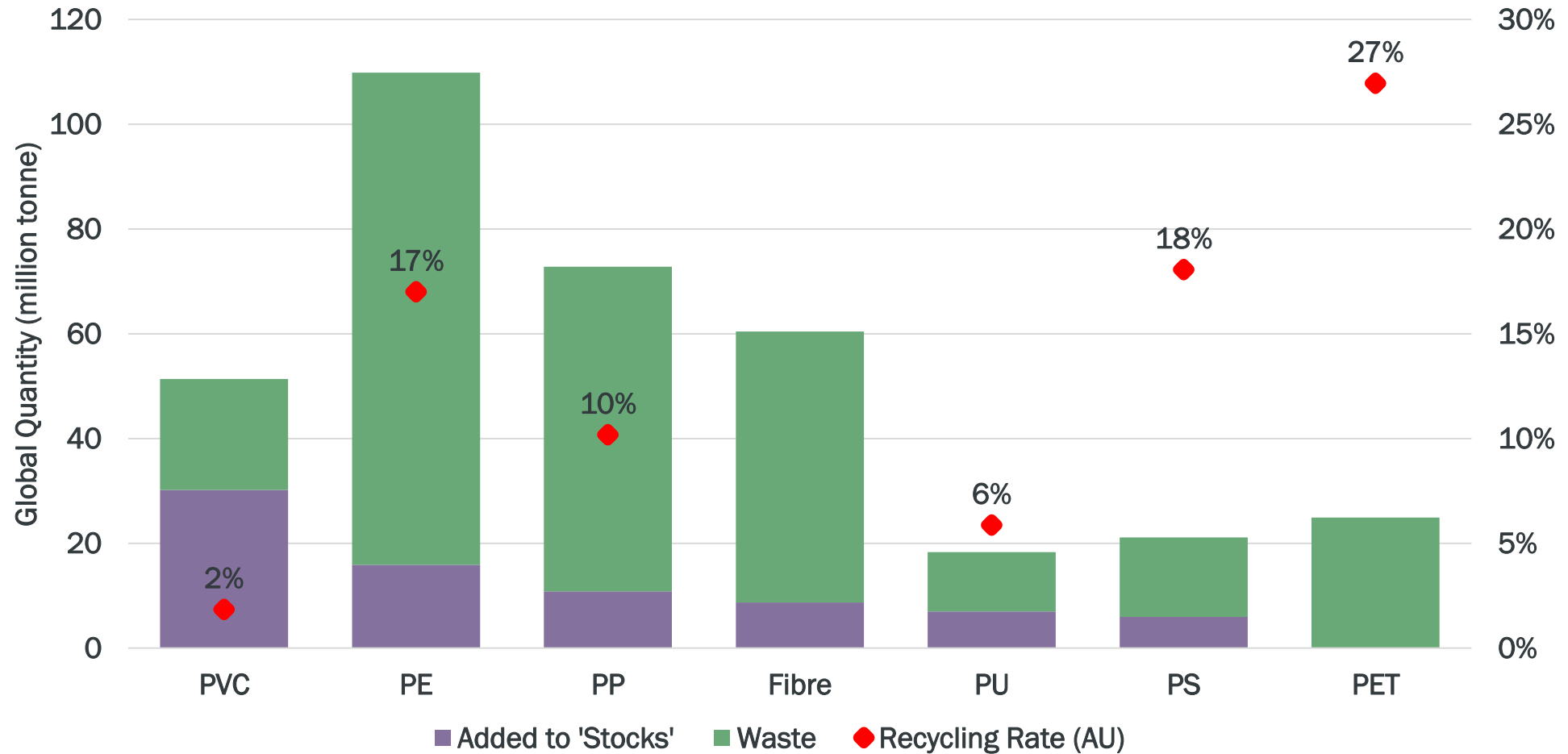


Vinyl Council **Australia**

PVC Recycling: Current State of the Art



PVC IS A LOW CONTRIBUTOR TO PLASTIC WASTE



Source:

Our World in Data: Global Primary Production and Waste 2019

Blue Environment: Australian Plastics Flows and Fates Study 2020-21

VINYL COUNCIL OF AUSTRALIA

15 August, 2024

2



LEGACY ADDITIVES

- The long-term health and environmental impacts of chemicals used in plastics were not given the consideration they receive today
- Additives were selected and used based on efficacy, giving us:
 - Brominated flame retardants
 - Heavy metal pigments and stabilizers
 - Endocrine disrupting plasticizers
- The presence of these and other chemicals of concern in long-lived products present a serious challenge for recycling of some PVC products at end of life



PVC STEWARDSHIP

transparency
and engagement

best practice
manufacturing

resource
efficiency

safe and
sustainable
use of additives

energy and greenhouse
gas management

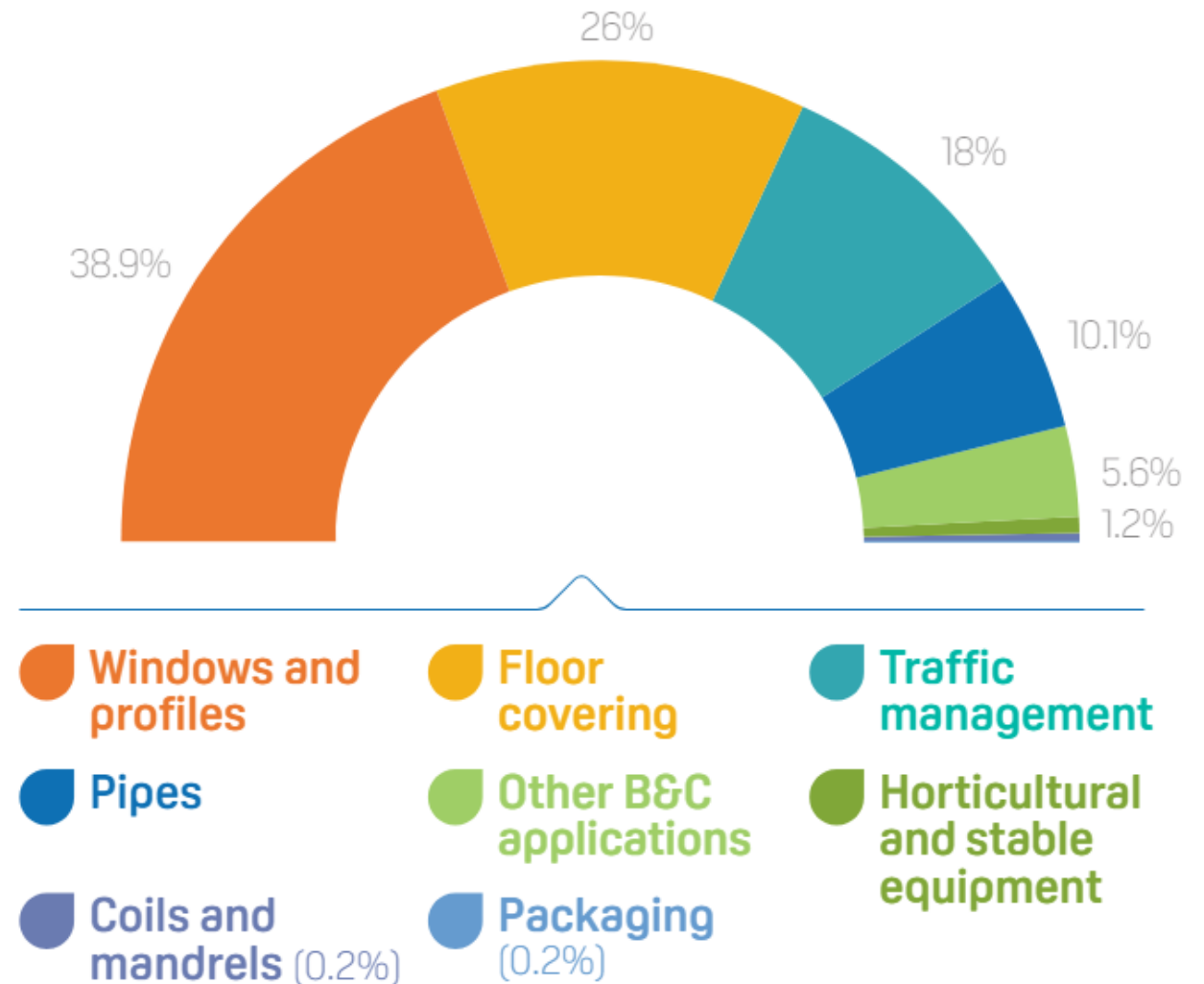


EUROPE



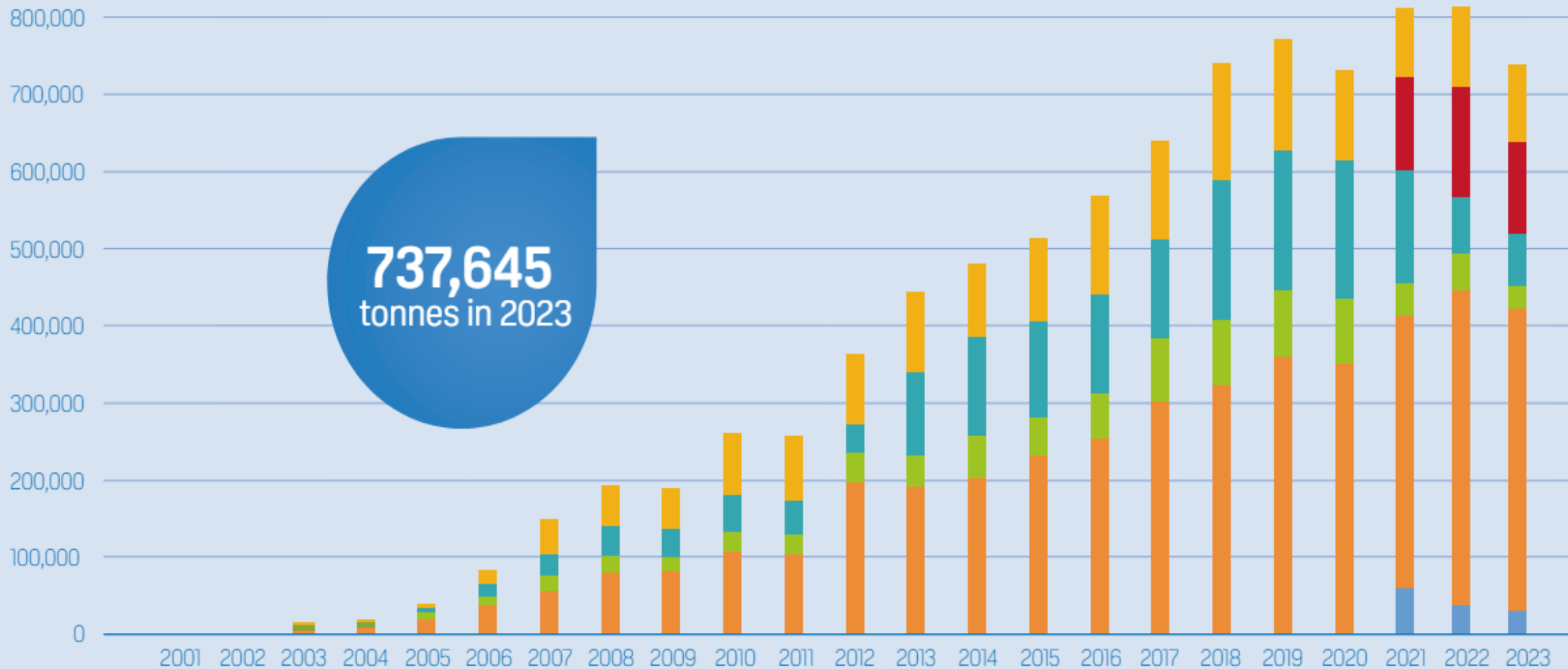
- 24.3% of PVC waste generated in the EU-27, plus CH, NO, & UK was recycled
- Volumes decreased due to:
 - Persistent competitive prices of virgin material
 - Slowdown in the building and construction (B&C) sector
 - Impacts of European regulations on legacy additives.

USAGE OF 2023 rPVC



PVC RECYCLED WITHIN THE VINYLPLUS FRAMEWORK

737,645
tonnes in 2023



In 2020¹, the vinyl industry recycled more than:

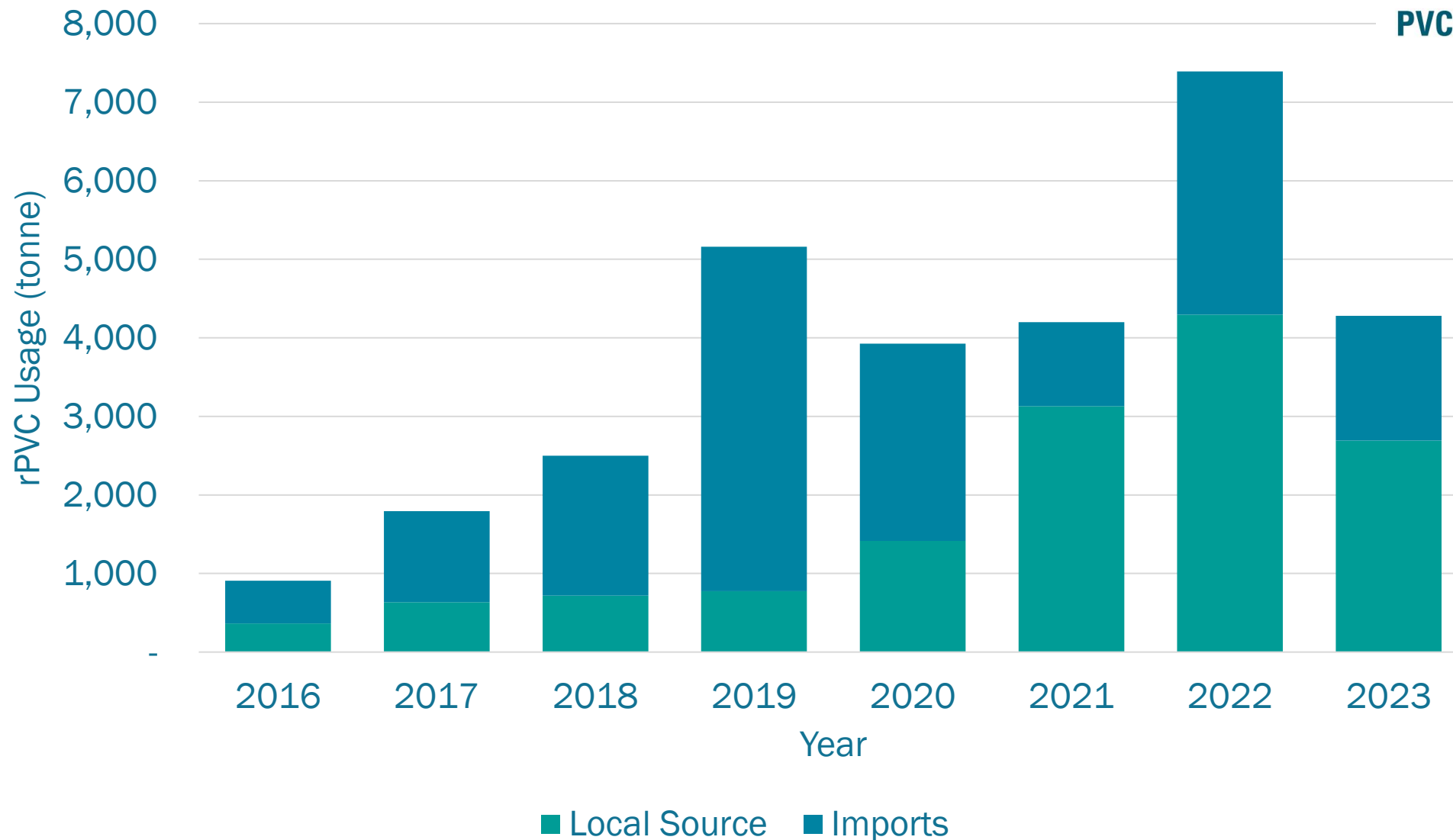


1.1 billion lbs.
of material in the
U.S. and Canada.

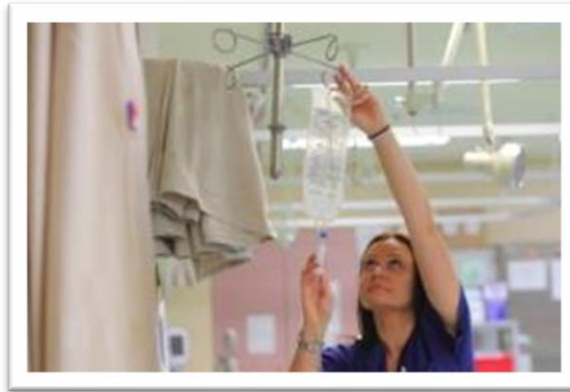


PVC STEWARDSHIP

PVC RECYCLATE USE IN AUSTRALIA



Many contributors to success



CONSTRUCTION PLASTICS RECYCLING SCHEME

Proudly Supported by



**Queensland
Government**

Proudly Partnered by



Master Plumbers'
Association of Queensland



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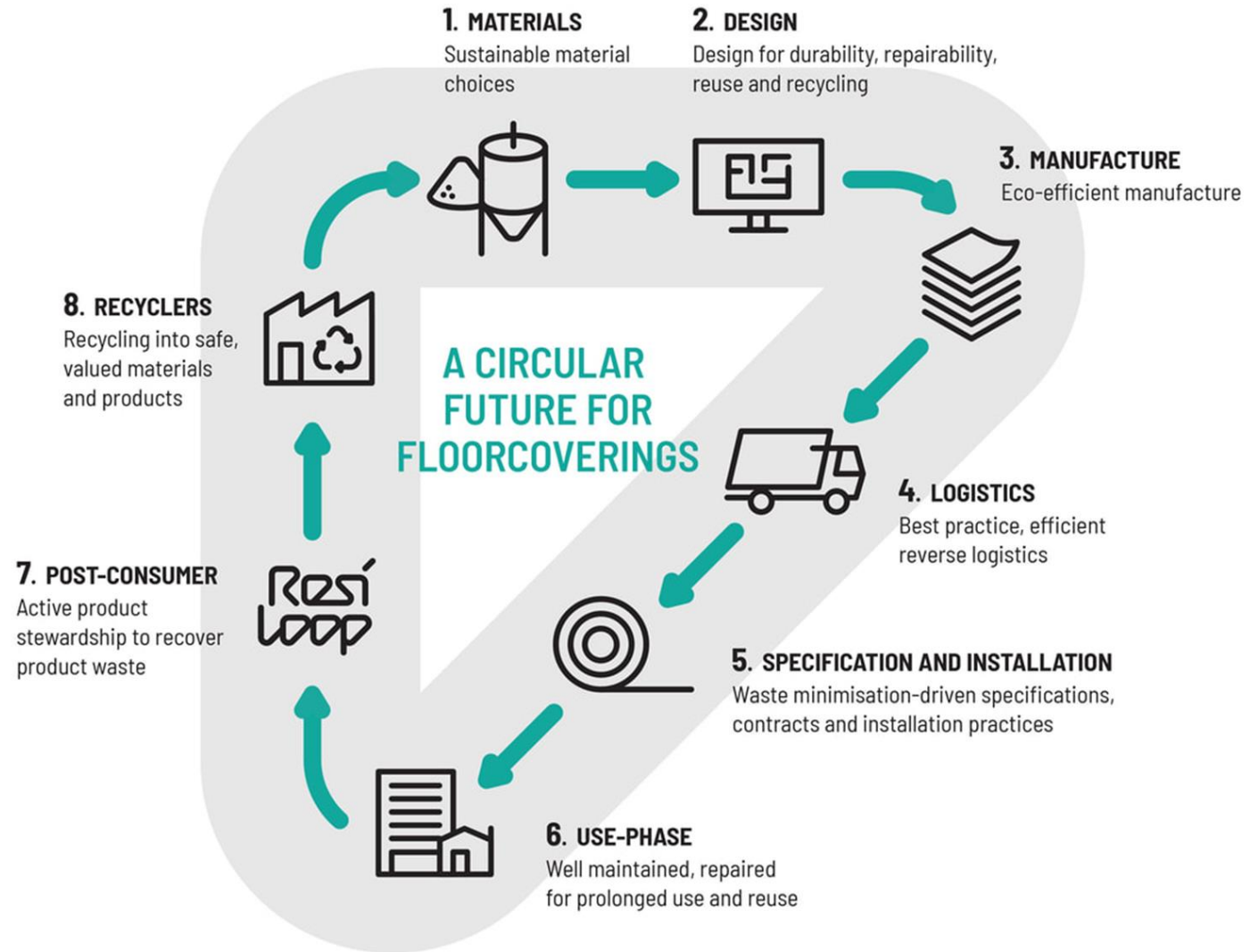
Vinidex
by **ellaxis**

PVC Pipe



ARFA

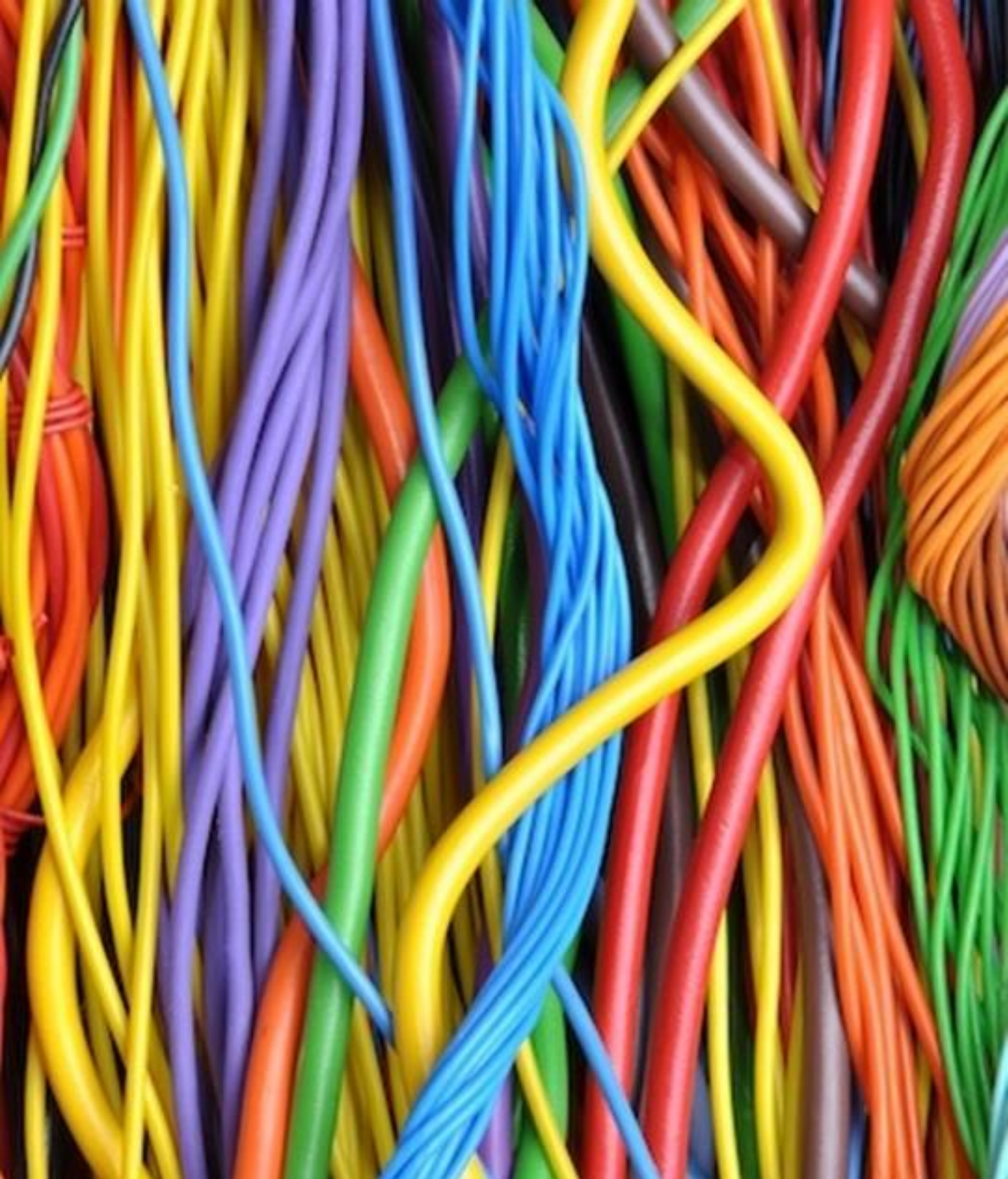
AUSTRALIAN RESILIENT FLOORING ASSOCIATION



LEADING THE WAY IN BILLBOARD RECYCLING.

Recovering, recycling and re-purposing waste into new products, significantly mitigating the environmental strain associated with raw material production while avoiding useful waste sitting in landfills and polluting our environment.





Cable Recycling



Bata





pharmacycle™

National
Pharmacies

Blooms
THE CHEMIST





Thank you for
your attention

