



**A2EP – 2xEP Energy Productivity Summit**  
**04-05 April, 2017**  
**Australian National Maritime Museum**  
**Darling Harbour, Sydney**

**Session 11**

**The next wave: 2xEP**

**Innovation: Food value chain**

*Mirjana Prica > presentation follows*

Tim Penderleith

Richard Magney

Geoff Andrews

*Chair: Angus Crossan*



*Doing more. Using less.*

# ***Addressing innovation challenges across the food & agribusiness value chain***

Dr Mirjana Prica

**Food Innovation Australia Ltd**

5<sup>th</sup> April 2017

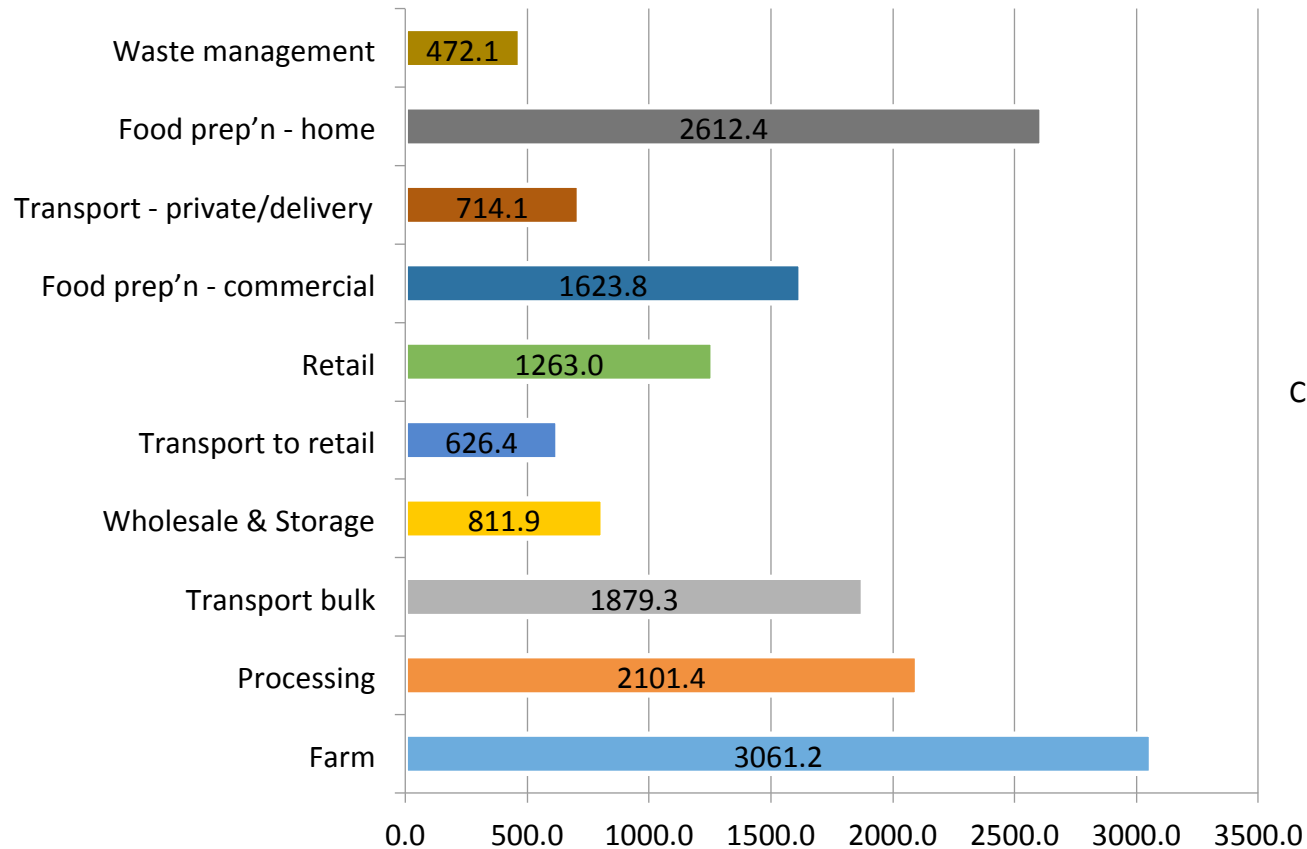


# Energy is essential to life



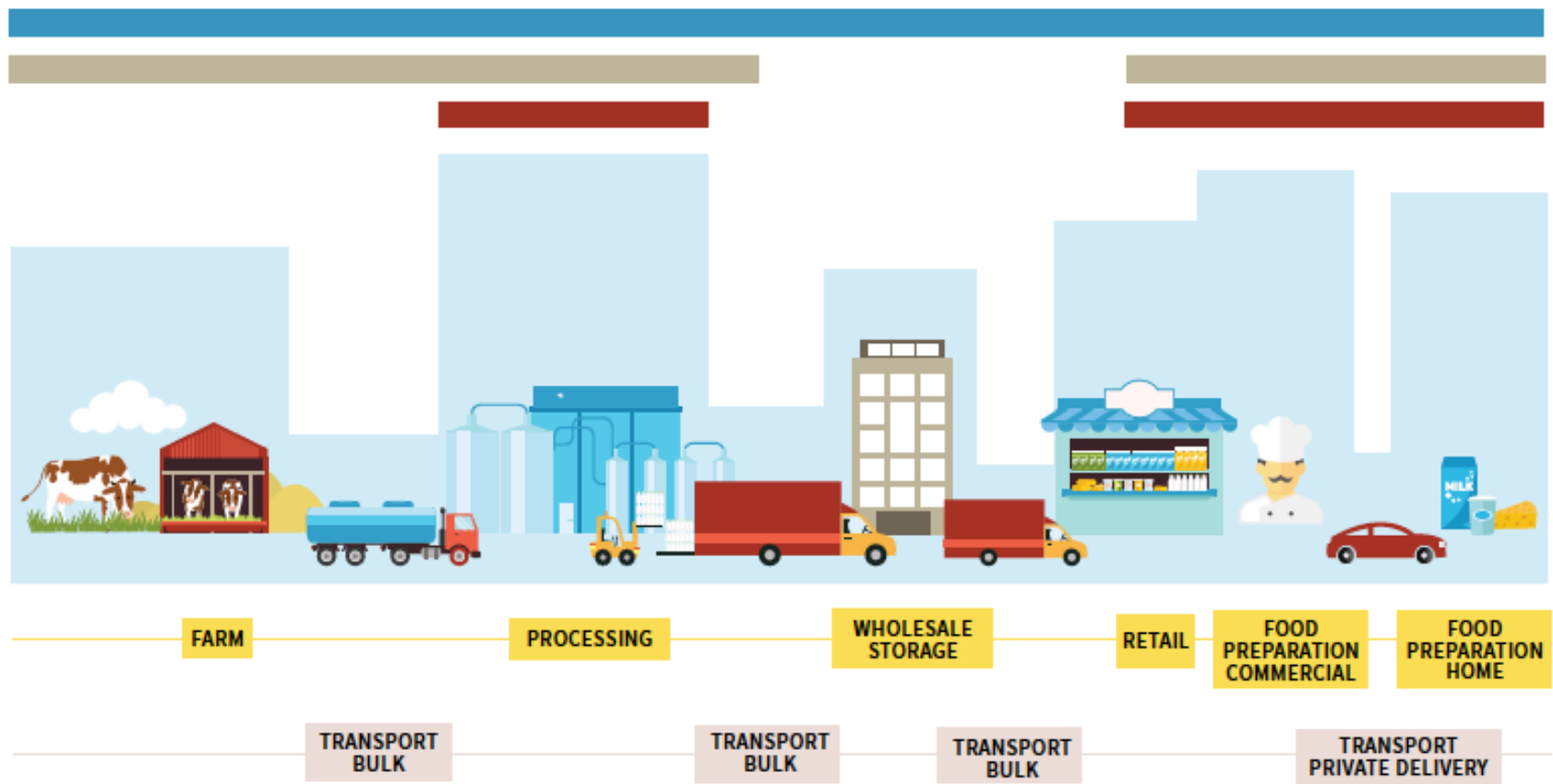
# Energy is essential to the operation of the food value chain

Energy used in food chain = \$15B/year



Courtesy of 2xEP

# Food value chain



- Primary energy use
- Extension of shelf life by preservation/refrigeration
- Dewatering and Drying
- Process heat and cooking



Courtesy of 2xEP

# Farm Fish Quality

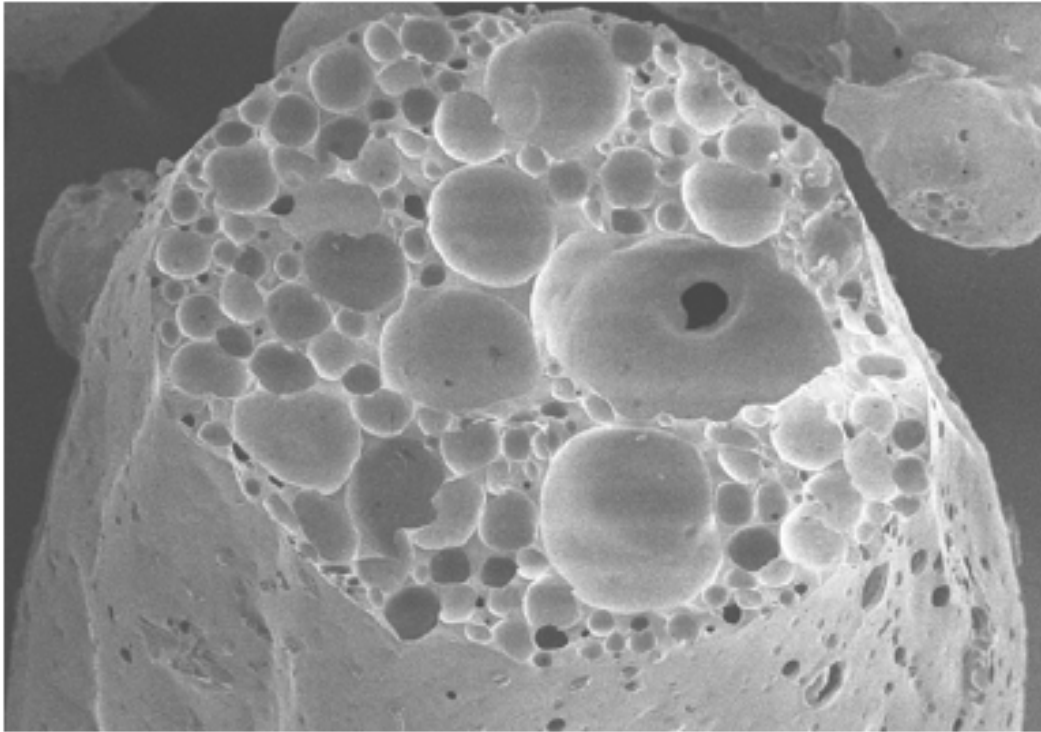


Reduced  
processing costs





# Processing - New Spray Drying Technology

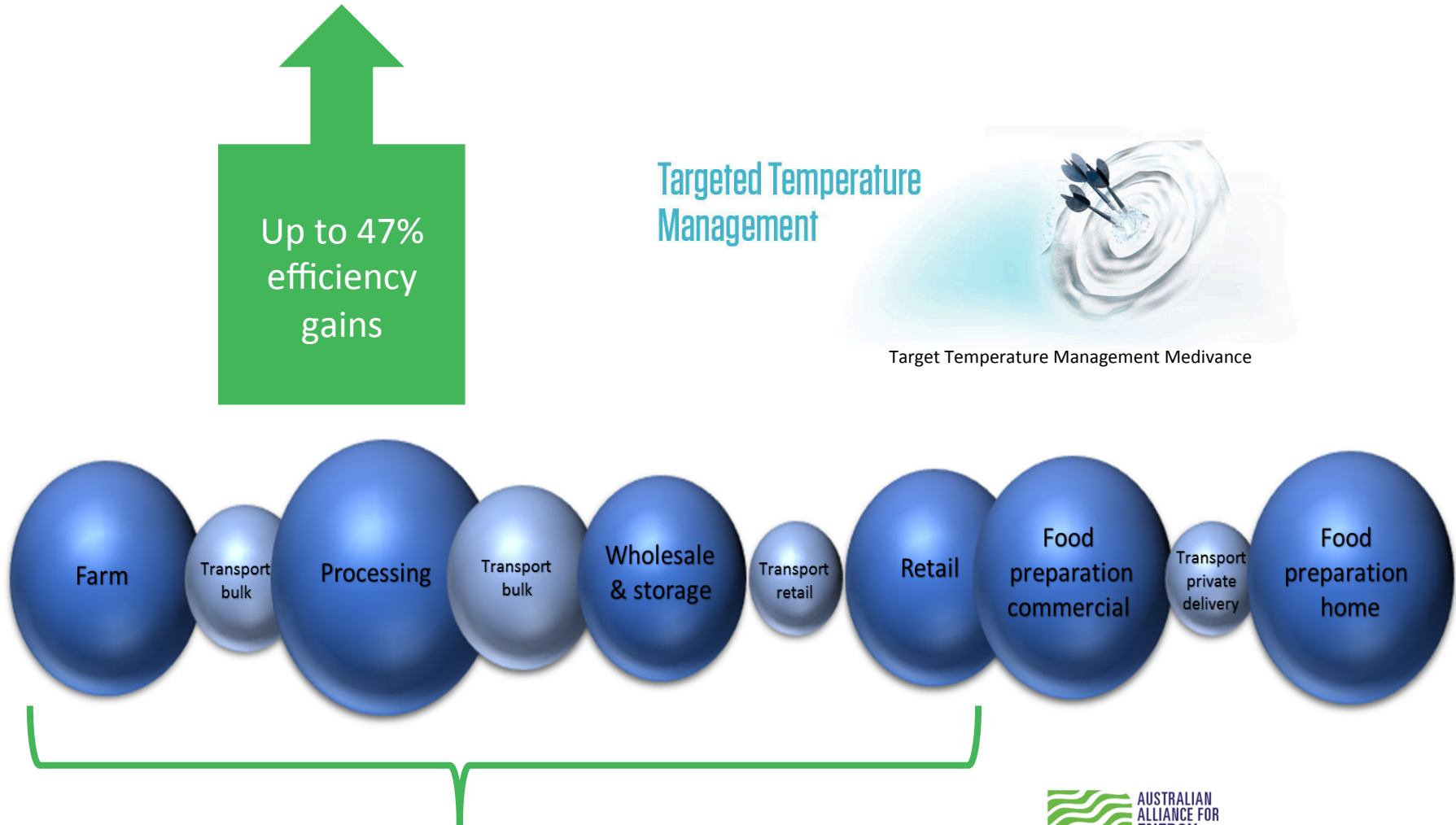


A scanning electron micrograph of EPT powder.

Up to 30% energy  
reduction &  
carbon footprint



# Transport Bulk - Cold Chain Management





# Enterprise Solution Centre Grants up to \$100,000



# Project Fund – Minimum of \$100,000



<https://fial.com.au/fial-project-fund>



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