



# Sustainable Packaging Alliance

*Towards Packaging Sustainability*

## Packaging Impact Quick Evaluation Tool



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## What is PIQET?

**Rapid tool for environmental impact assessment of packaging systems**

- ✓ **Business ready**
- ✓ **Internationally accepted Life Cycle Assessment (LCA) methodologies**
- ✓ **Easy to use**
- ✓ **Packaging specific**

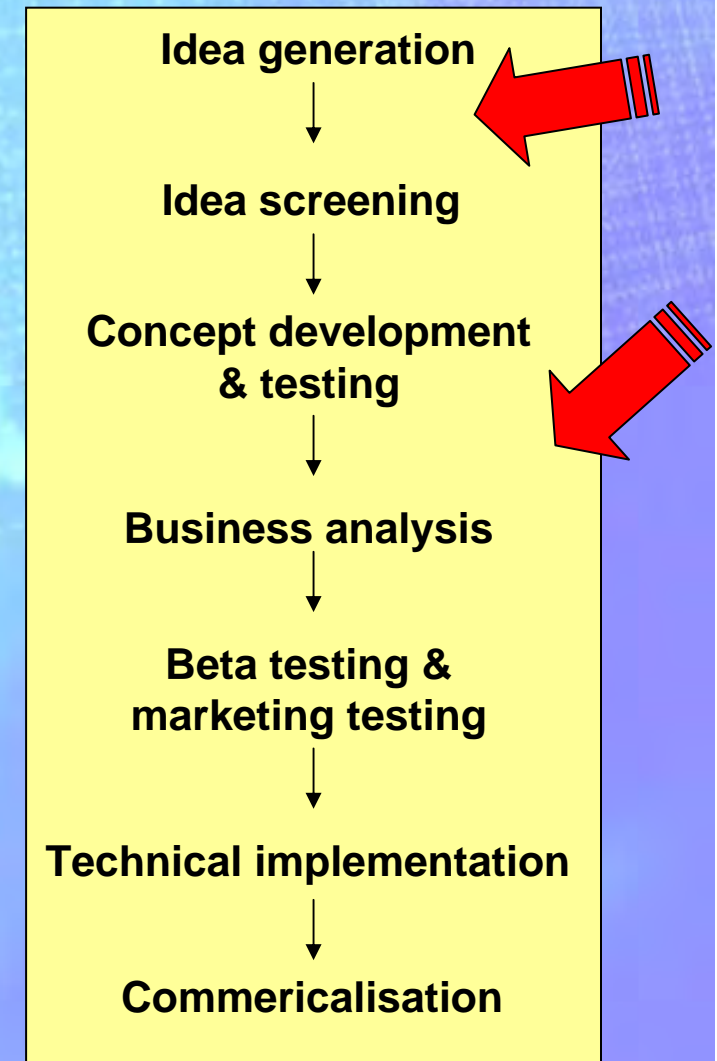




- ✓ **Web-accessed**
- ✓ **Integrates into existing NPD and Packaging Design processes**
- ✓ **15-30 minute turnaround**
- ✓ **Simple reports**



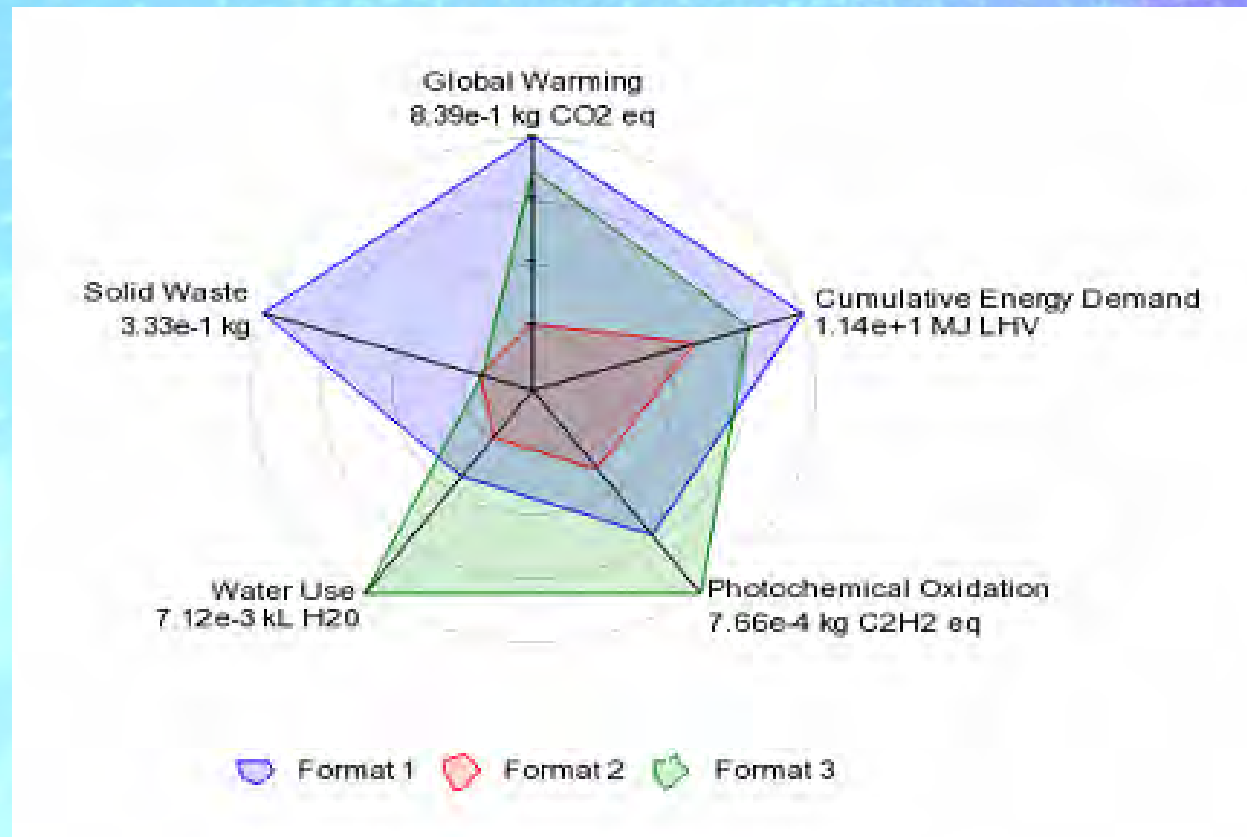
## Business ready





Business ready

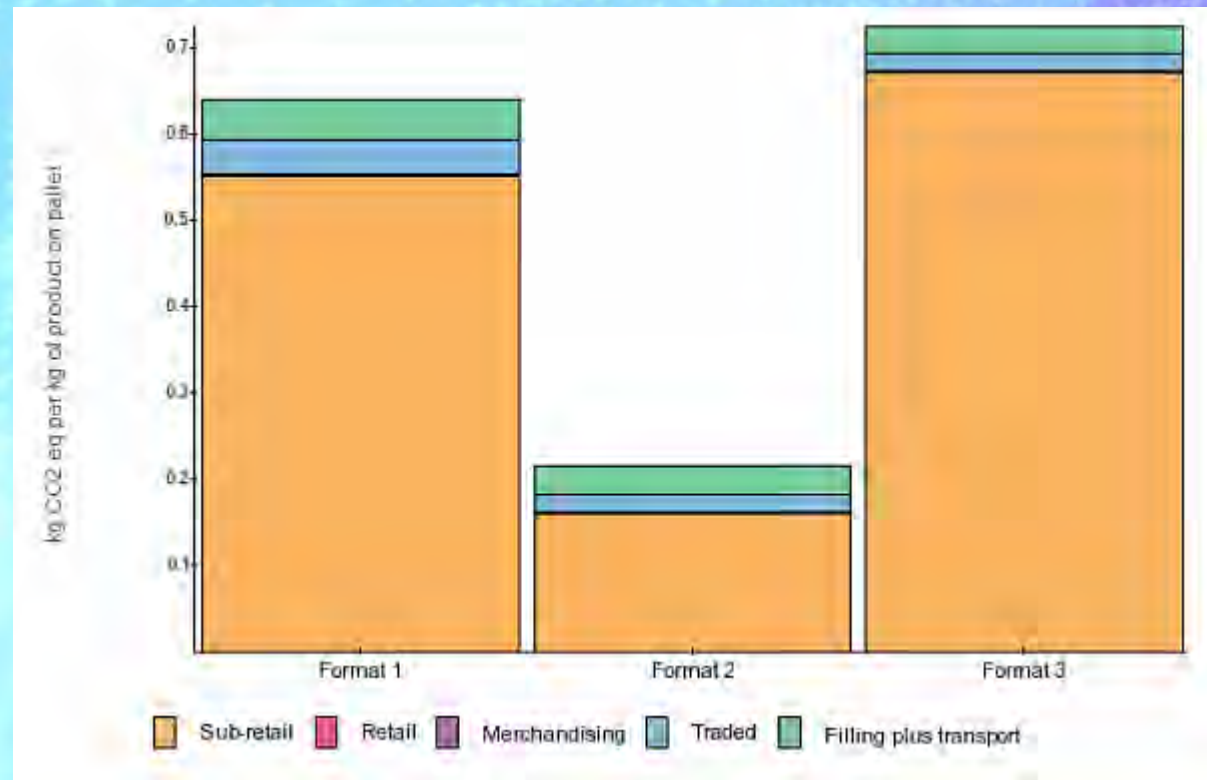
## Comparison graphic reports





**Business ready**

## Comparison graphic reports

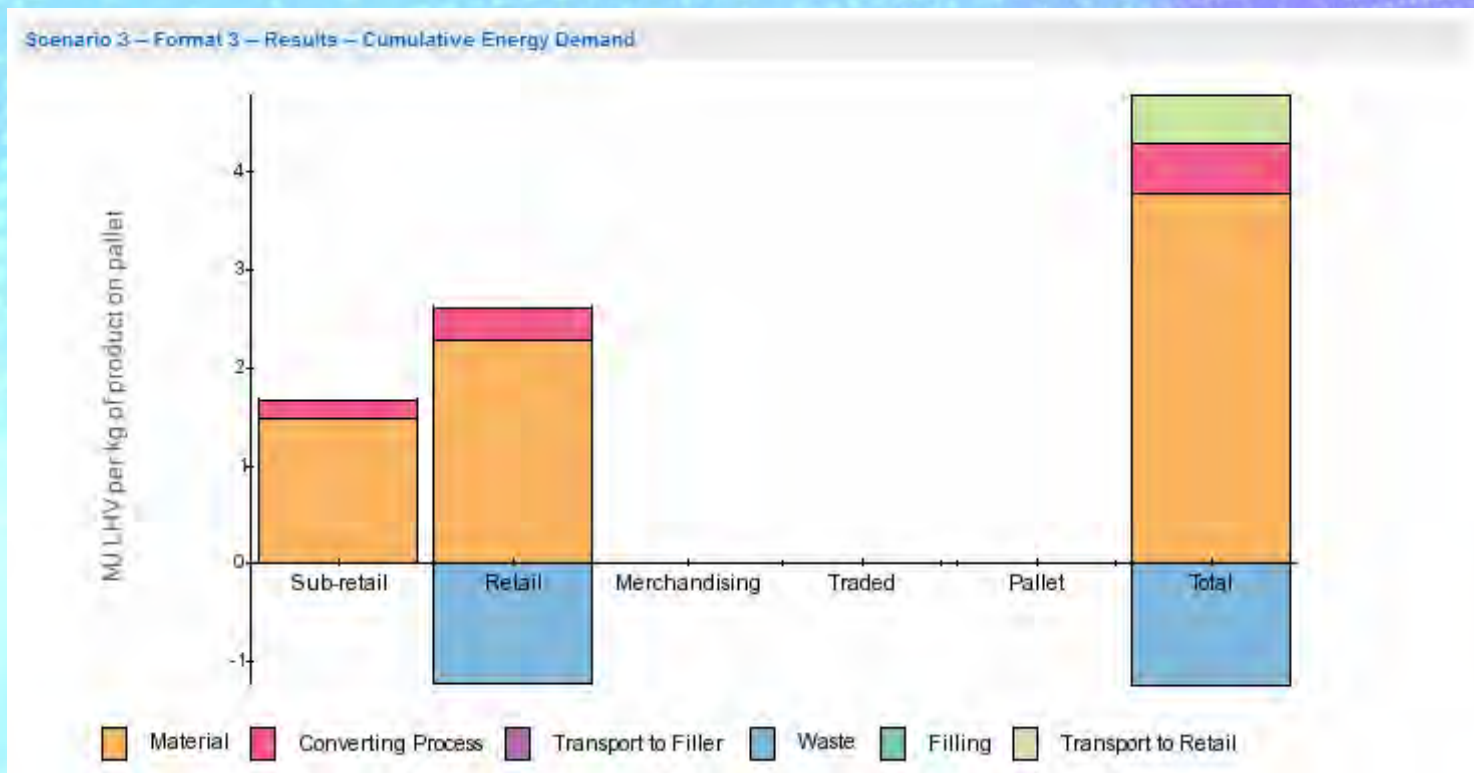


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Business ready

## Comparison graphic reports





# Life Cycle Assessment

- ✓ **Mimics the life cycles of packaging**
- ✓ **Developed using case studies**
- ✓ **Validated with SimaPro**
- ✓ **Currently Australian inventory data**





## Easy to use

- ✓ **Menu driven**
- ✓ **Limited data to be entered**
- ✓ **Default data generation**
- ✓ **On-line help**
- ✓ **Rapid generation of new scenarios**
  - ✓ **Easy copy function**

### Pre-fill with existing scenario (optional)

To pre-fill this scenario with values from a previously entered scenario, select one from the create a fresh scenario.

Select a scenario to copy





**Easy to use**

- ✓ **Define the packaging system**
- ✓ **Select components and materials**
- ✓ **Select converting processes – options to override default data**
- ✓ **Select end of life profile**



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## Packaging specific

- ✓ Reports specific packaging environmental indicators
- ✓ Links to ACOR to check compatibility



**The National Packaging Covenant**  
*Strategic partnerships in packaging*

- ✓ Australian National Packaging Covenant data provision and capture
- ✓ Assists ECOPP compliance





# Packaging specific



**The National Packaging Covenant**  
*Strategic partnerships in packaging*

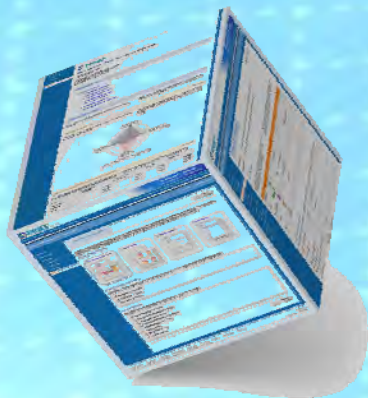
## KPI numbers

- 1 Packaging material by type, product/packaging ratio**
- 2 Energy and water consumption**
- 3 Improvements in design, manufacturing etc**
  - in design brief section
- 4 Report changes to protection, shelf life etc)**
  - in tables and graphs in report
- 5 Average annual % of PCR in material types**
- 19 Improvements in consumer knowledge**
  - labelling section





## Using PIQET



- ✓ Puts environmental data alongside market and financial data in business decision-making
- ✓ Allows continuous assessment of packaging designs – concept to launch
- ✓ Identifies strategies to improve sustainability along the supply chain
- ✓ Enables continuous auditing and benchmarking of existing designs
- ✓ Provides an easy tool for training, communication and change management

