



PATH₂ZERO
DECARBONIZE & GROW

CIRCULAR PACKAGING: THE FUTURE IS TODAY

 **EXPOQUIMIA**
Encuentro Internacional
de la Química



WELCOME



Angels Domenech

EMEA TS&D Director
Dow Packaging & Specialty Plastics



Materials Science Company – Focused and streamlined portfolio

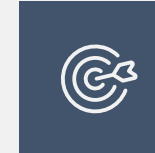
- Broad chemistry portfolio
- Industry-leading technology platforms

Increasing demand for sustainable adhesives and sealants that have comparative or improved performance or cost



Our Ambition

To become the most innovative, customer-centric, inclusive and sustainable materials company in the world



Our Goal

Profitable growth & best-in-class performance



Our Core Values

- Integrity
- Respect for people
- Protecting our planet

PPWR

Scope 1, 2, 3

PROTECT THE CLIMATE

By 2030, Dow will PROTECT THE CLIMATE by reducing its net annual carbon emissions by 5 million metric tons compared to its 2020 baseline (15% reduction). By 2050, Dow intends to be carbon neutral



TRANSFORM THE WASTE

By 2030, plastic waste and other forms of alternative feedstock to commercialize 3 million metric tons of circular and renewable solutions annually. *Dow expects the waste required to produce this target to surpass and replace its original 1 million metric ton Stop the Waste goal.



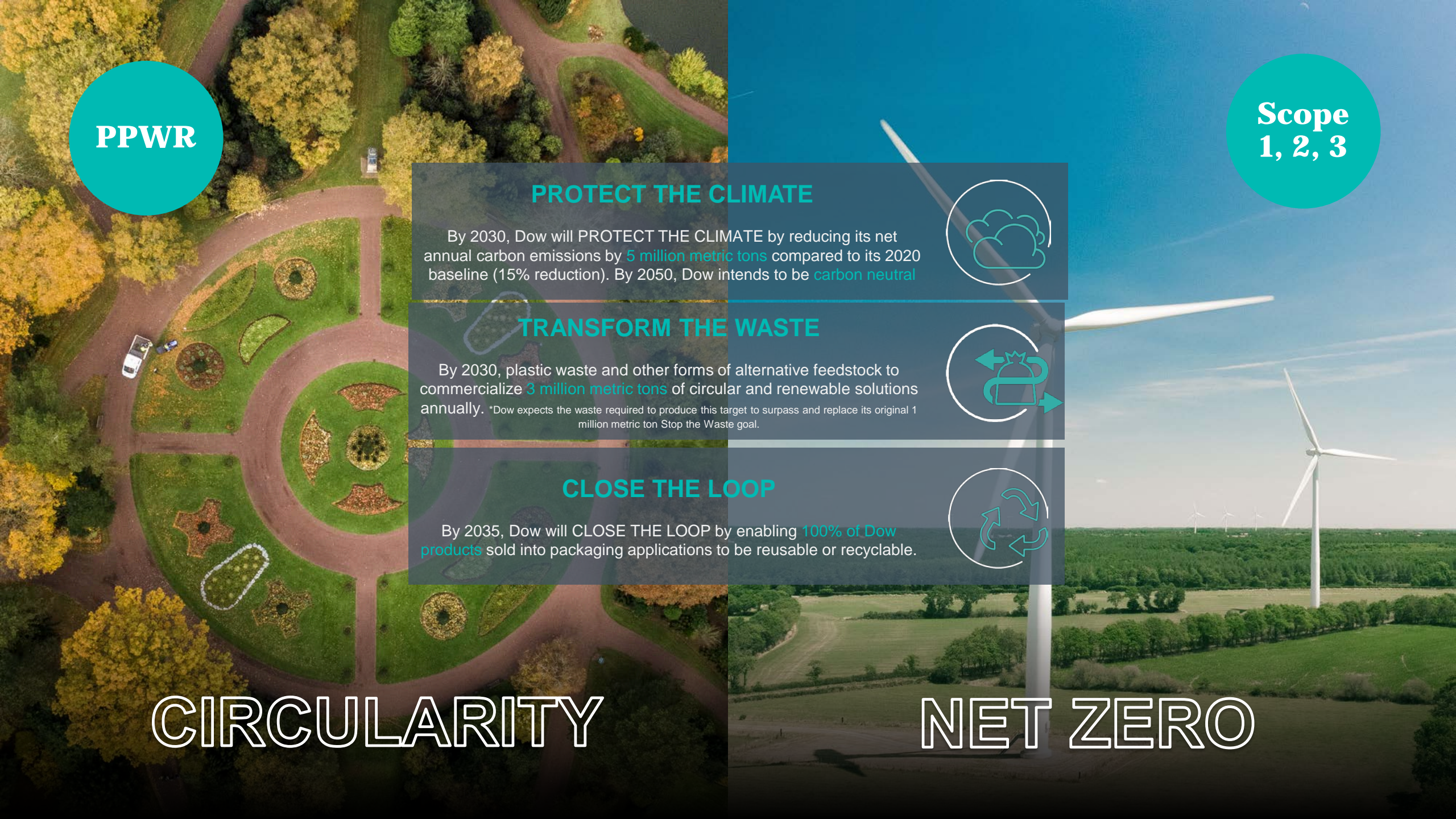
CLOSE THE LOOP

By 2035, Dow will CLOSE THE LOOP by enabling 100% of Dow products sold into packaging applications to be reusable or recyclable.



CIRCULARITY

NET ZERO



Approaches to Sustainability and Circularity



Plastic Sustainability

D4R
commercial
reality



**Mechanical
Recycling**
transforming the
value chain



**Advanced
Recycling**
picking up the
pace



Bio-based
diversifying and
expanding



Carbon
the key future
driver



Extensive Innovation Portfolio



Fast tracking innovation: circular packaging

Design for recyclability at a glance

Our Value proposition



Mono material



Reduced complexity



Designs to enable packaging circularity



Maintains functionality & performance



Enablers



Oriented PE Technologies

Barrier Incorporation Processes



High performance Resins

Recycle Compatibilization Solutions



What's next?

Concrete commercial cases

Accelerate D4R market adoption

Application specific optimizations



Examples



■ Dow Materials
■ Non-Dow Materials

PREVIOUS: UNRECYCLABLE PACKAGE



■ Dow Materials
■ Non-Dow Materials

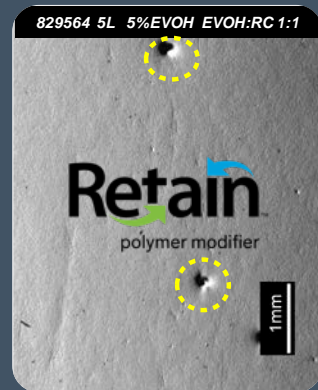
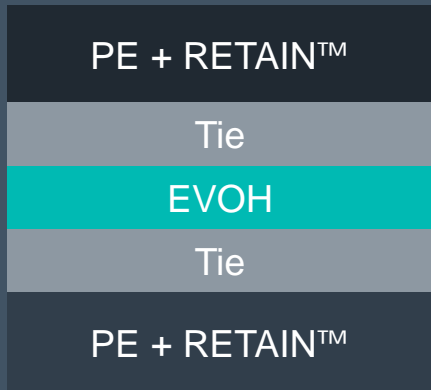
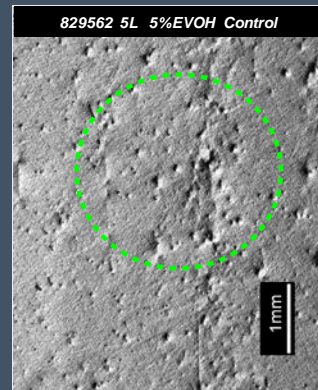
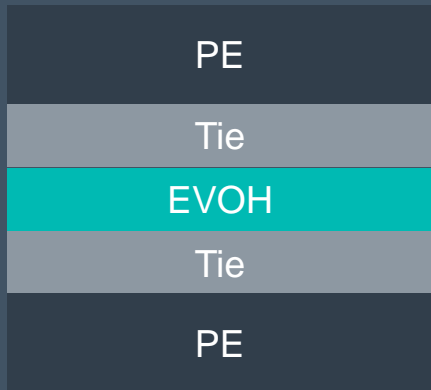
NEW: FULLY RECYCLABLE PACKAGE
~30% expanded addressable market

We are enabling brands to achieve their 100% recyclable packaging targets by 2025



Design for recyclability: *RecycleReady*

Traditional barrier film structure



Design For Recyclability



RECYCLEREADY TECHNOLOGY
for store drop-off recycling



RecyClass
Recyclability Approval



Closing the loop on plastics circularity



Dow becomes the first to achieve PCR content certification for PE compounds



recycled plastics resins by



A SACK FOR LIFE

Closing the loop on heavy duty shipping sacks



Advancing the circular economy



CO₂ reduction
15% less CO₂ footprint per bag

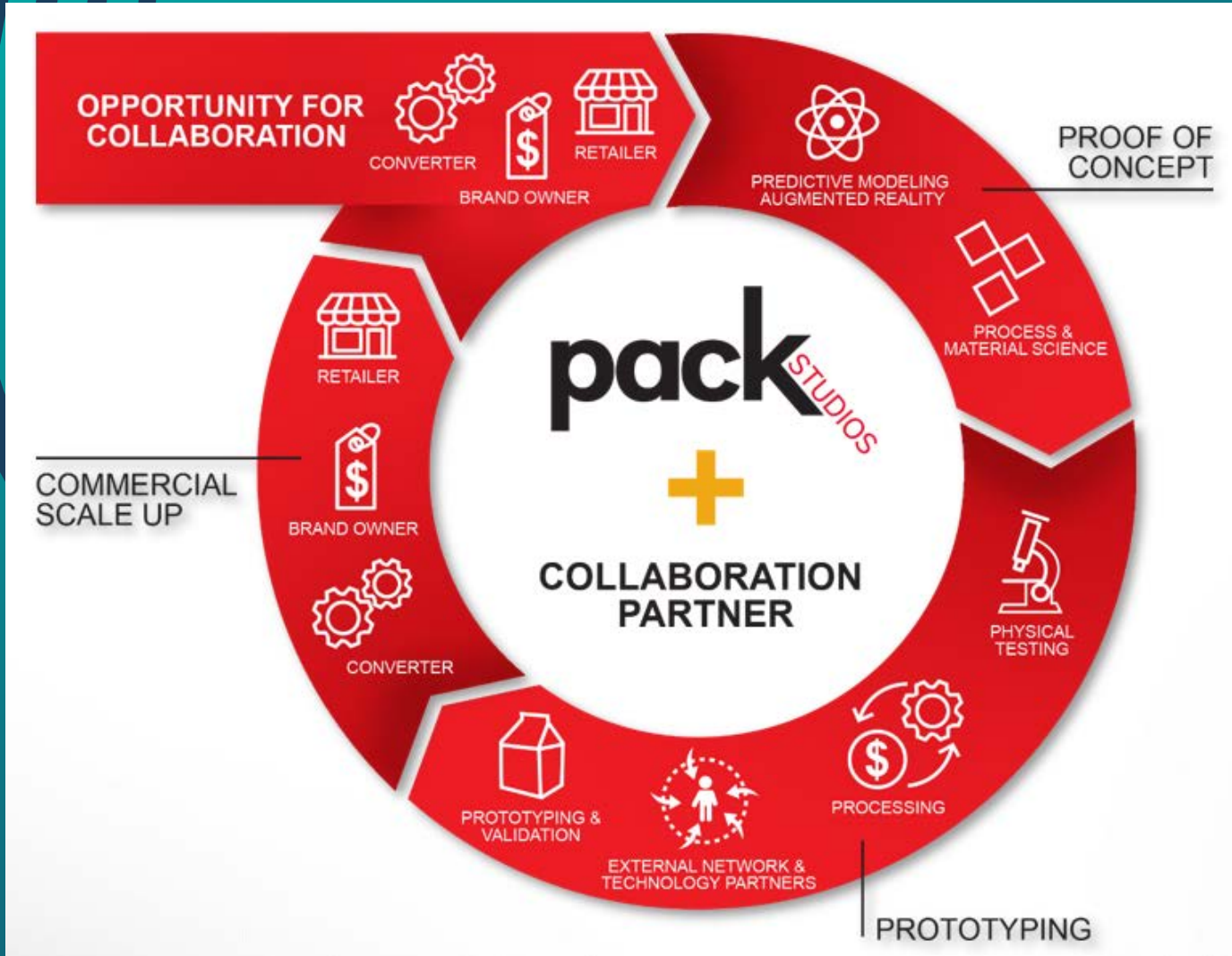


Resource efficiency
30% recycled material integration



High performance
Package integrity

Pack Studios: unlocking the power of collaboration



Shorter development cycles



Accelerated commercialization



Value Chain Engagement



Application relevant technologies



Talent & Expertise



Q&A



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THANK YOU

