




Packaging Barrier: Replacing PFASs for a job too well done (GCE June 2021 Kaj)

Packaging Barrier: Replacing PFASs for a job too well Done

- Durability & End of Life
- Barrier Considerations
- How Can We Simplify the Solutions? (wink, wink) 

Benign by Design?



John Warner, Paul Anastas Vision to Prevent Regret!



Curious Questions on Sustainable Packaging

- How convenience contributed to our end of life problems?
- Why spend so much resources on short term Packaging & Long lasting chemicals?
- How can Benign by Design Thinking create better end of life solutions?
- What is the ideal blend of nature and need?

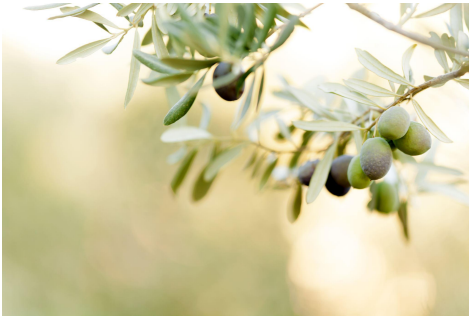


Some Packaging Barrier Considerations

- Moisture, Aroma, Oxygen, CO2, Oil/Grease/Surfactants, UV, Hot and Cold.



How do we think about Barrier Requirements?



How do we think about Barrier Requirements?



How Do we Consider End of Life?

Best Case?

Recycled

Readily Composts

Worst Case?

Blows away

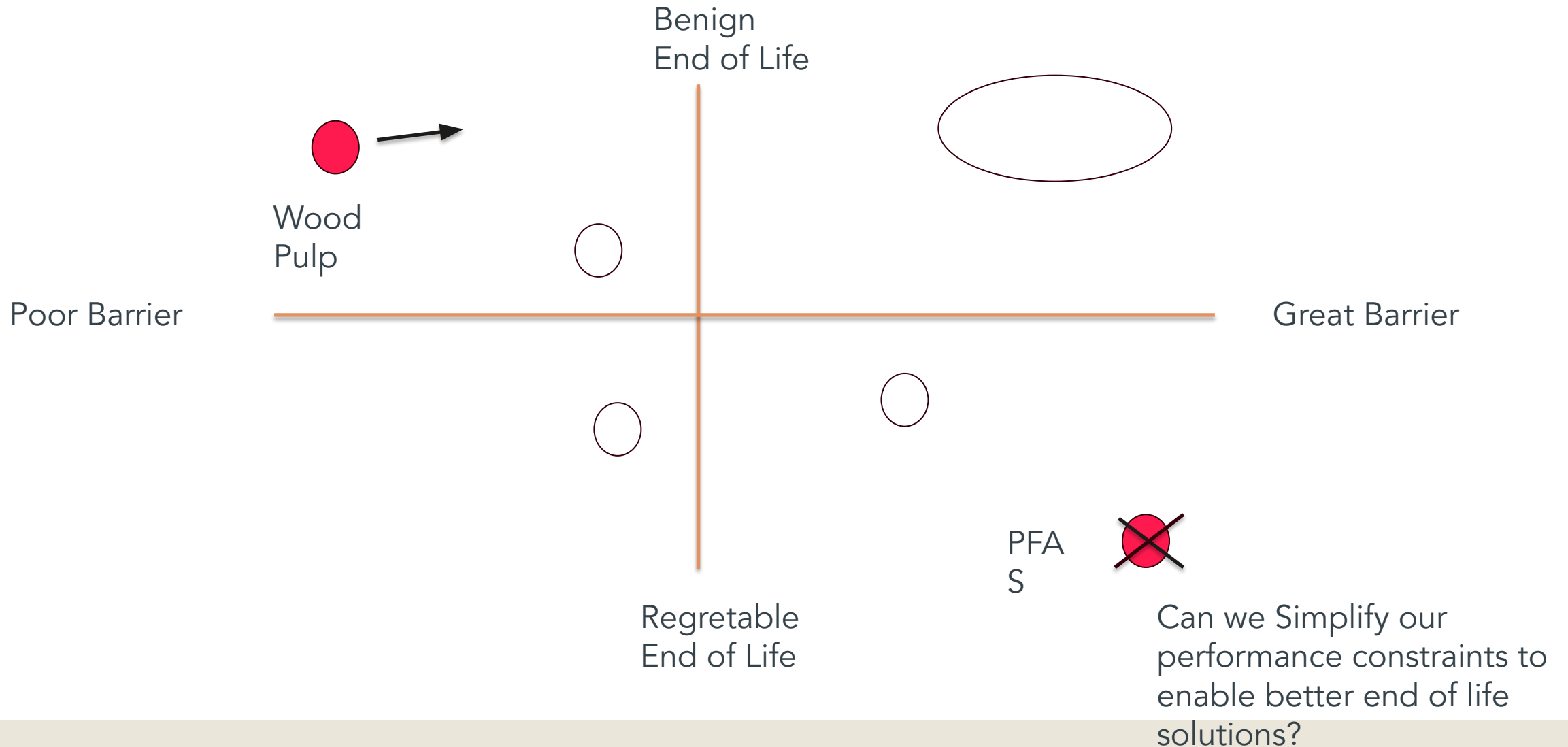
Becomes trash

Leaches or Makes it's way to
water

Is burned



How Can we Rethink Barrier Solutions?



What is the Right Barrier Solution?

- Start with the End of Life in mind & work back to the Right Solution?
- Can we get away with Less Universal Barrier?
- How can we Advance the Solution set to: Benign + Perform?

