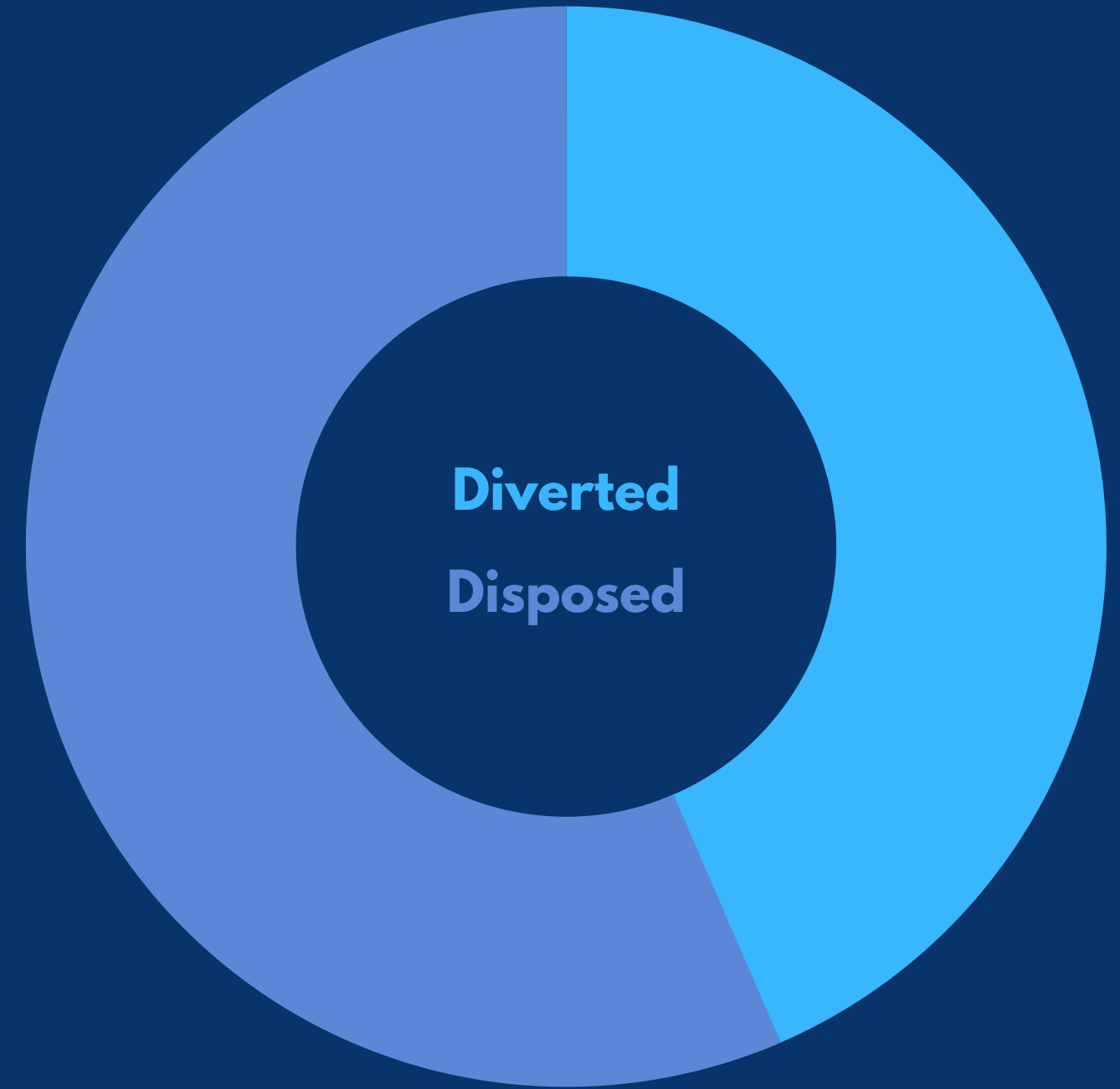




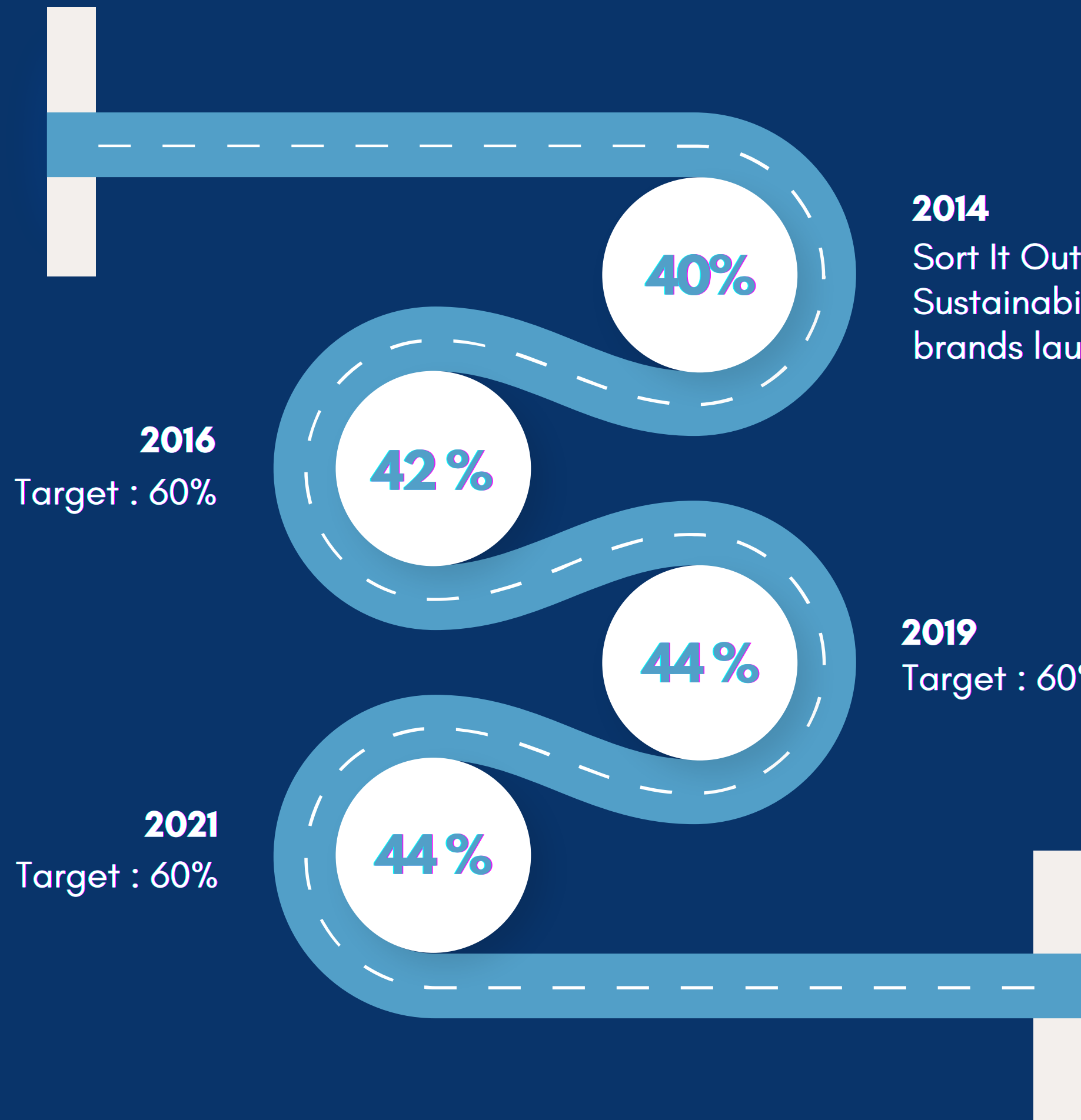
# CIRCULAR ECONOMY



FAHAD KV, JIYAN PATTHARWALA & SHREYA JAISWAL



**2010**  
Zero Waste  
Action Plan  
Initiated



**2014**  
Sort It Out &  
Sustainability  
brands launched

**2016**  
Target : 60%

**2019**  
Target : 60%

**2021**  
Target : 60%

**2030**  
50% reduction in  
waste disposal

# Diverted



**43.5 % operational diversion rate over last decade**

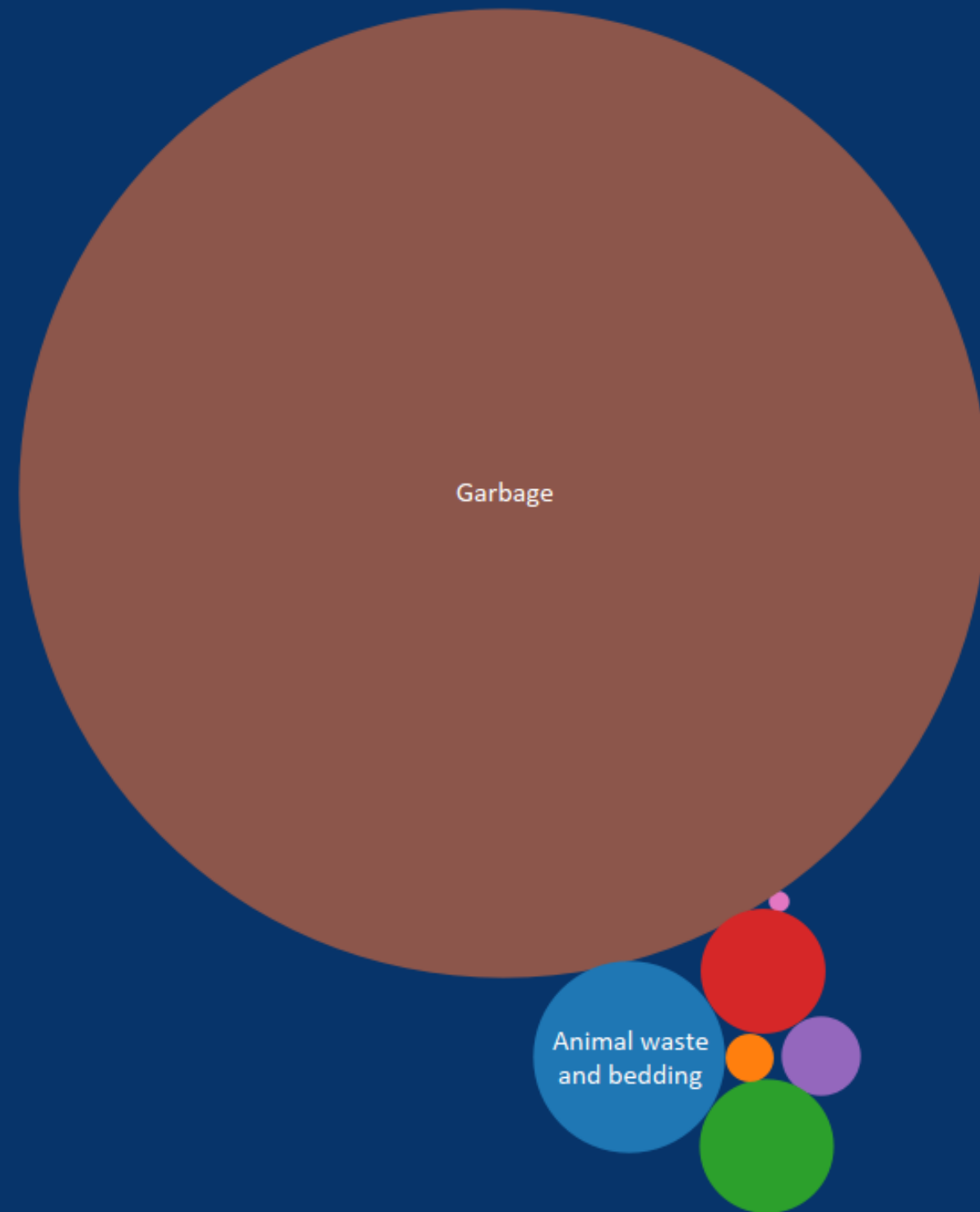
# Disposed



**56.5 % going to landfill over last 10 years**



# Non-Recyclables



- Animal waste and bedding
- Arena Garbage Compactor
- Ash from BRDF
- Biohazardous, lab, chemical, pharma, solvent
- Delisted Waste
- Garbage
- General refuse - Cascades
- Other
- Paint, oil, silver recovery, solvent recovery

**22,583 metric tonnes of garbage in the last decade**  
**433 metric tonnes of Ash generated from BRDF**



# BULK BARN OR WEIGH 2 GO STORE

Reduce single use plastic packaging of candies, chips, groceries etc from being sent to landfills  
Better price, recyclable containers





# REUSE OF ASH FROM BRDF ON-CAMPUS



THE UNIVERSITY  
OF BRITISH COLUMBIA

Reduces scope 3 emissions of UBC

Reduces cement's 8 percent global CO2 emissions contribution



**PAVER BLOCKS**



**SOIL  
STABILIZATION/  
FERTILIZER**



**FLY-ASH BOARD**



**FLY-ASH IN CONCRETE**



**AAC BLOCK**