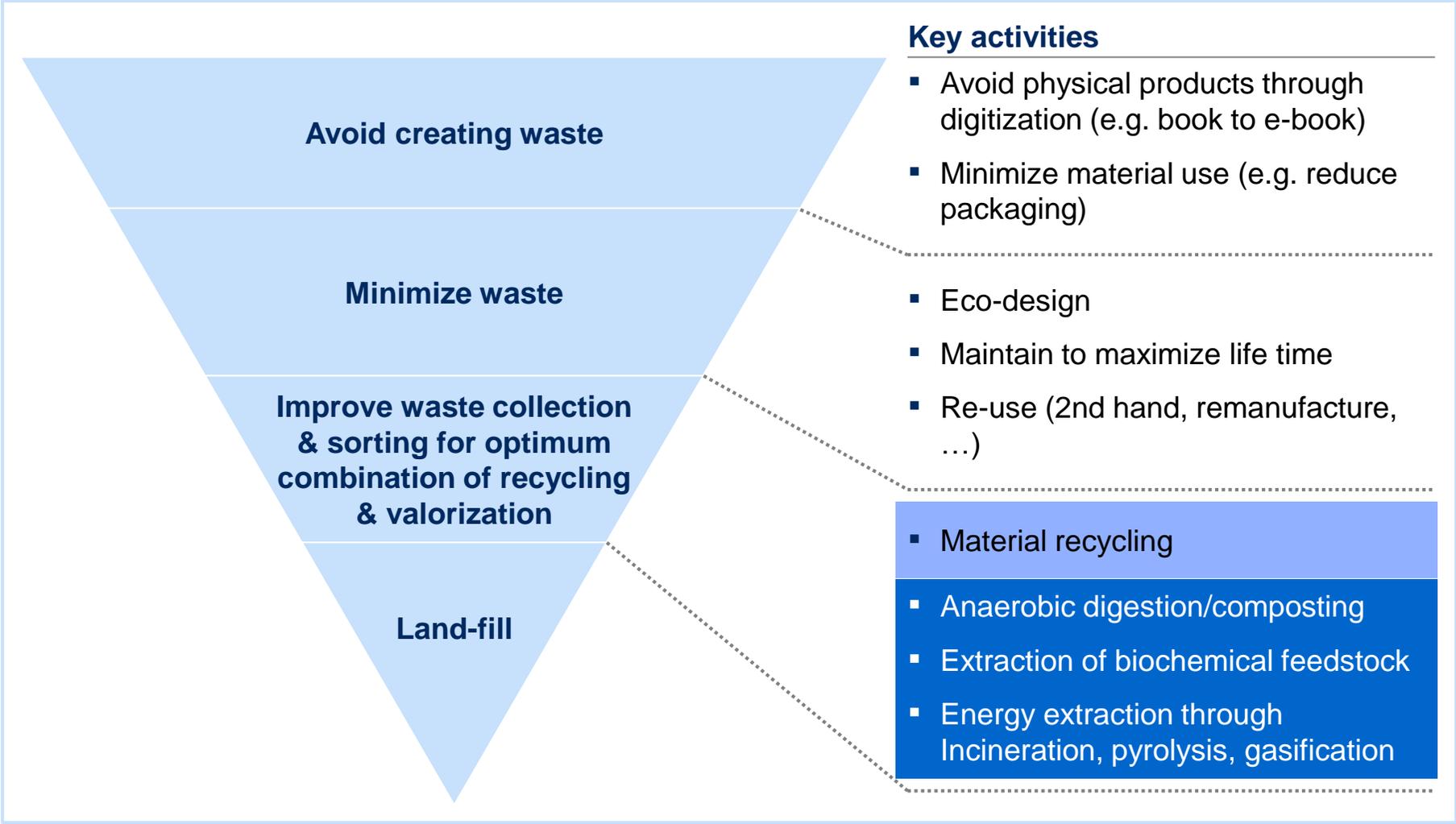


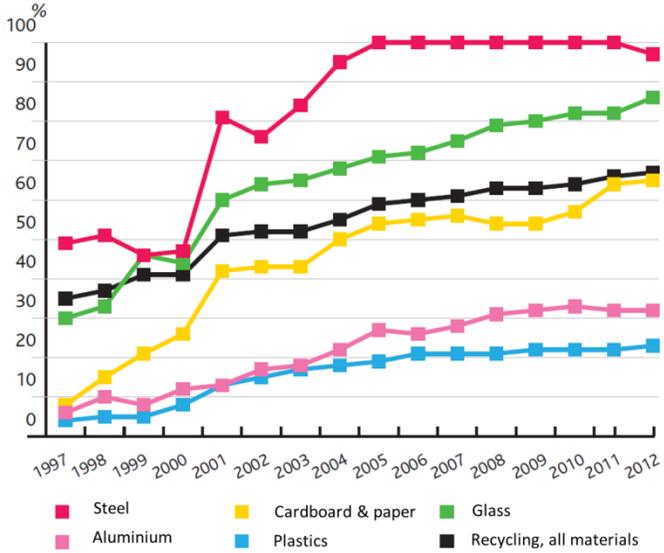
# RECYCLING & VALORIZATION: A panorama of waste optimization opportunities

■ Recycling  
■ Valorization



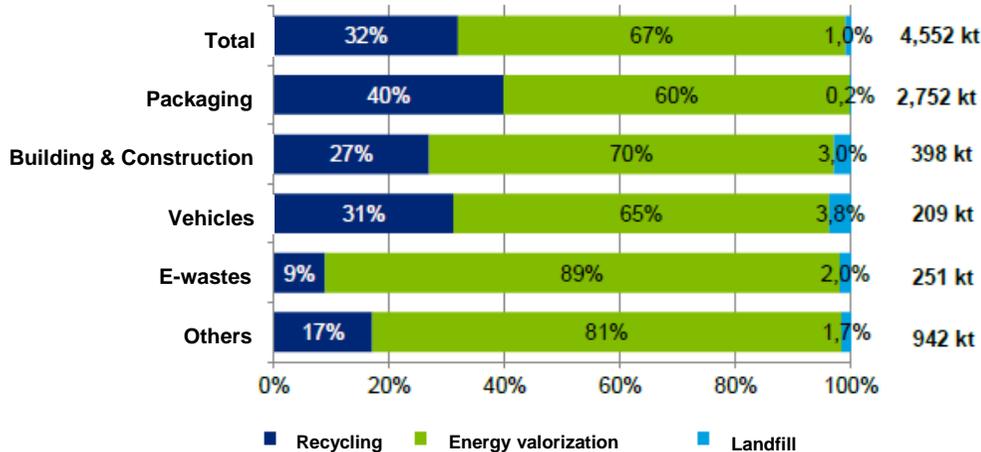
# RECYCLING & VALORIZATION: Precious allies to improve the whole materials circular economy

Evolution of the Recycling Ratio in Household Packaging France, 1997 – 2012



End-of-Life Repartition of Post-Consumer Plastic Waste Germany – 2012

Kton

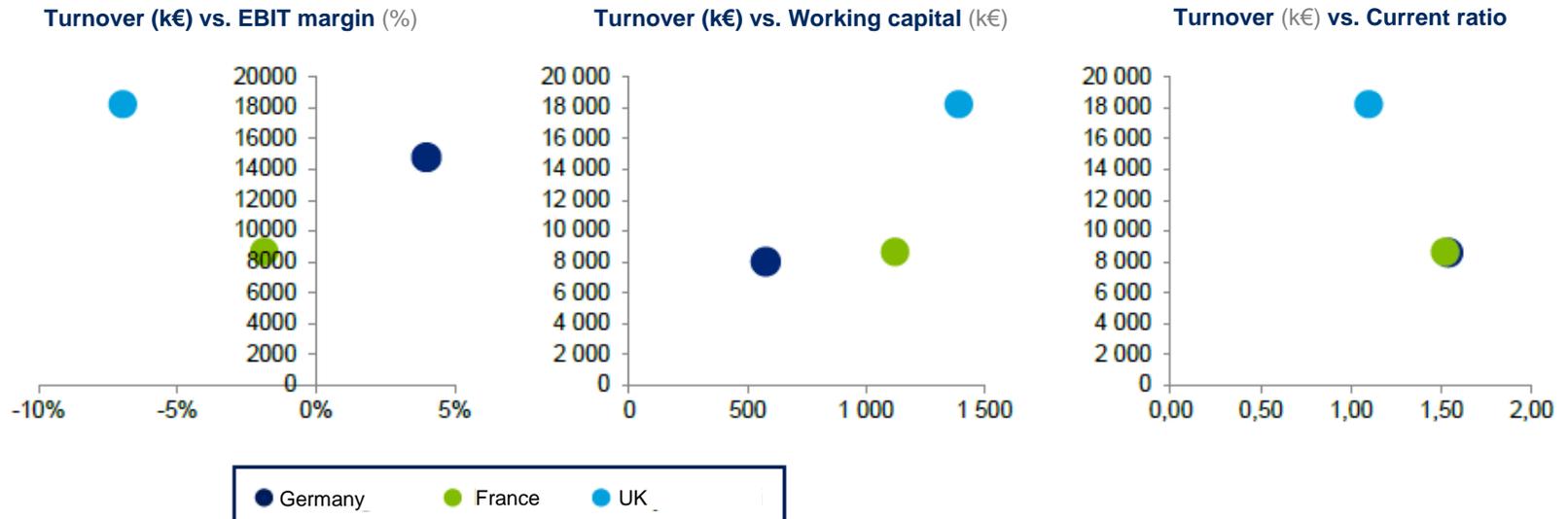


- Positive trend on recycling ratios for all materials with progress still to be achieved in Plastics
- Interesting example of win-win competition between Energetic Valorization and Recycling in Germany
- Efficient combination of both recycling and valorization is likely to lead to better Energy Recovery and more efficient Life Cycle in the overall waste stream management

SOURCE: « Analyse de la chaîne de valeur du recyclage des plastiques en France », Deloitte Dec. 2014 - Recycling report, ADEME 2012 - Benchmark data for Household Packaging, ADEME 2012

# RECYCLING & VALORIZATION: A comparison of the recycling industry economics between Germany, France and the United Kingdom

## Key Financial Indicators Averaged over the Recyclers Population



- Very contrasted situation within the EU : Germany seems to enjoy healthier recycling business sector while France and the UK looks more challenging on average
- Key success factors can lead to a virtuous circle for the Recycling & Valorization industry including
  - Solid framework of big regional and national players with strong push for innovation
  - Well-organized and coherent regulatory framework to limit cross-border shipment of valuable waste and optimize waste stream allocation between Valorization and Recycling