Veolia approach to take up the challenge on plastics

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Explosion of plastic demand

Source: Plastic Europe, Berlin, August 2016

Need to develop plastic recycling

Plastic generation & recovery
Source: EPA, 2010
CHALLENGES

- Control of quantity and quality of recycled materials
- Control of process steps

- From mixed-stream waste to recycled material with their own properties
  - Source separation
  - Sorting
  - Shredding
  - Cleaning
  - Blending
  - Compounding
METHOD

Design, with recycled materials (can be new materials)

Support the industrial demand

Adapt to demand
Function
Performance
Quantity
Cost
TOWARDS UPCYCLING

Key success factors

Industrialisation
- Traceability, from upstream to downstream
- Quality commitment
- Quantity commitment
- Environmental benefit

Ecodesign