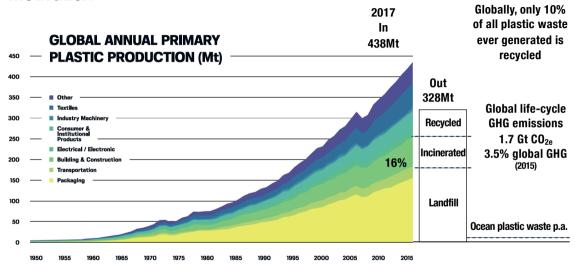
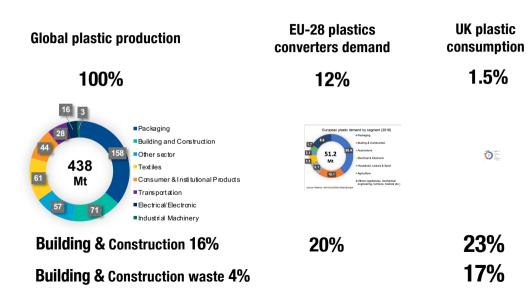


Plastic (in construction) matters!

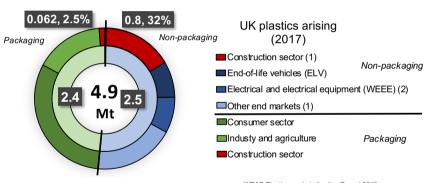
5th RECBE (on-line) meeting

Jonathan Cullen jmc99@cam.ac.uk André Cabrera Serrenho ag806@cam.ac.uk Michal Drewniok mpd43@cam.ac.uk





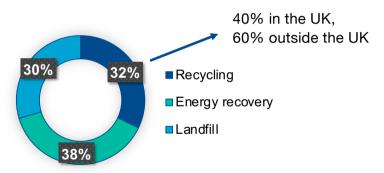
UK plastic waste arising (WRAP)



WRAP Plastics market situation Report 2019

3.8 - 5.2 Mt

UK plastic EoL (PlasticEurope)



Plastics...

 \ldots what we should to minimise environmental impact of plastics

... what strategies should we introduce

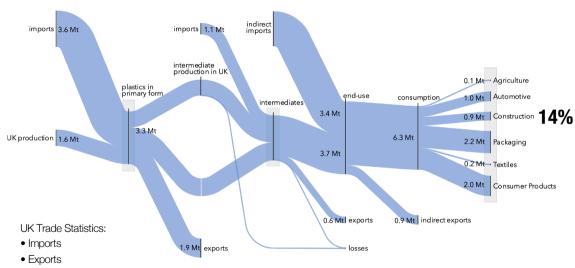
... what matters the most

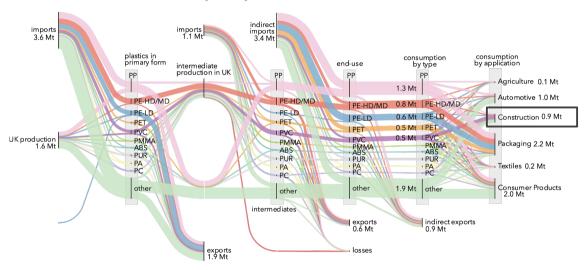
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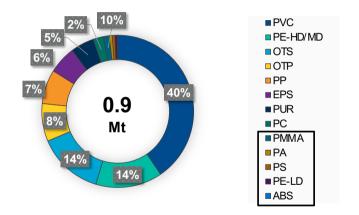
How does this relates to how much and what types of plastics we use? How much plastics do we use for each type of application? How long plastic products are in service? What happens to them afterwards?

Production

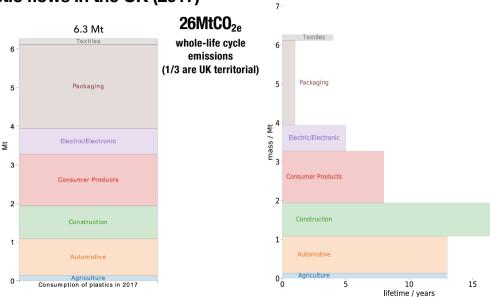




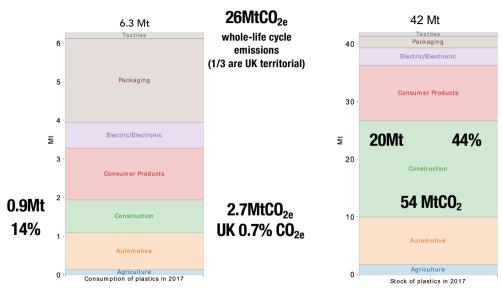
Plastic in the UK construction by polymer (2017)



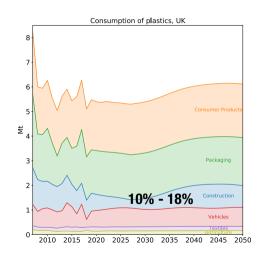
PVC in construction – 76% **PVC** consumption

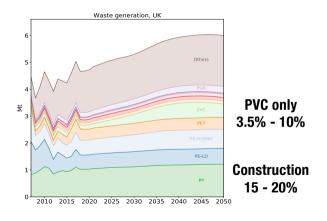


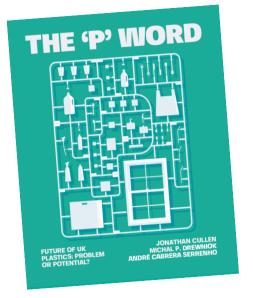
20



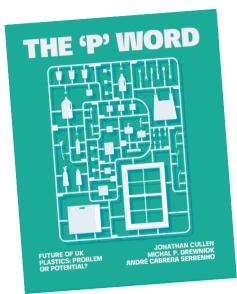
Why plastics in construction are important?



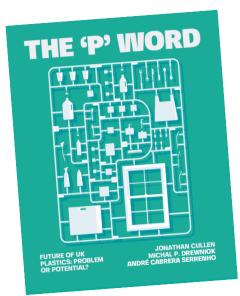




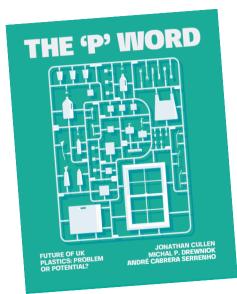
www.refficiency.org/publications/the-p-word/



The two most important environmental impacts of plastics are **greenhouse gas emissions** and **ocean waste pollution**. These problems are being aggravated by the way we have been disposing of plastics.



Increasing recycling capacity in the UK could both reduce emissions and prevent ocean waste pollution. Our **limited** domestic recycling capacity leads to waste exports to countries **with poor waste management practices**.



Action is **urgently** required to reduce the impacts of plastics. We must address the **excess use** of packaging, the **variety of polymers** used in similar products, **practice** in polymer production, and promoting **reuse** and **recycling** of plastics.

www.refficiency.org/publications/the-p-word/

Thank you











