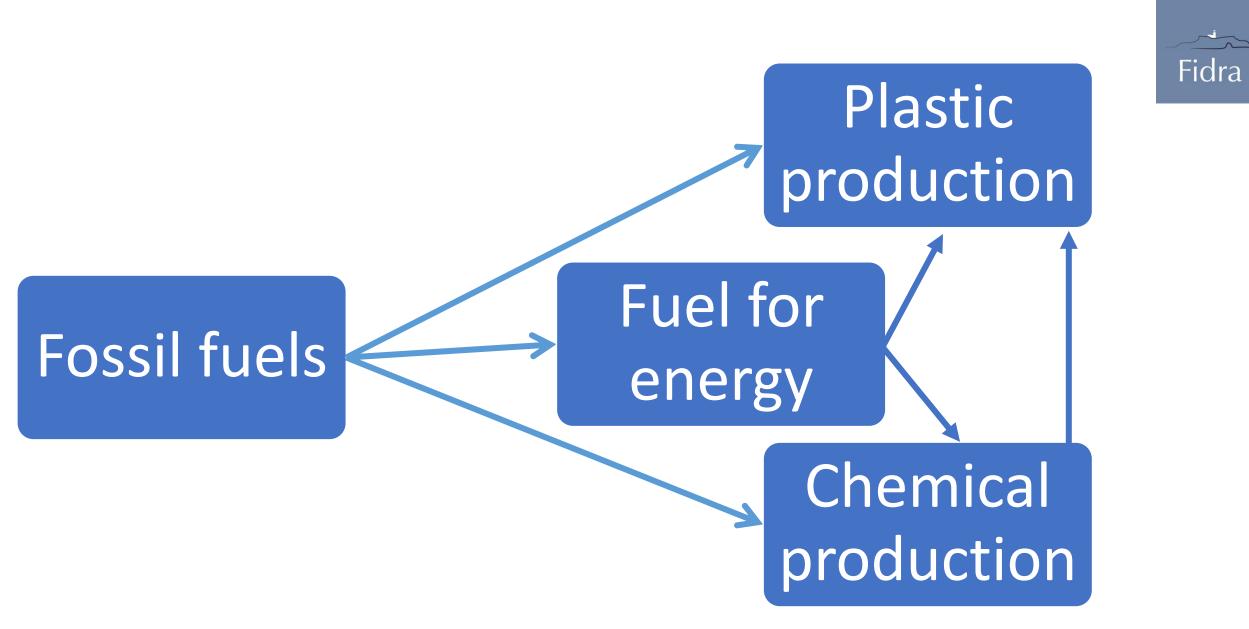
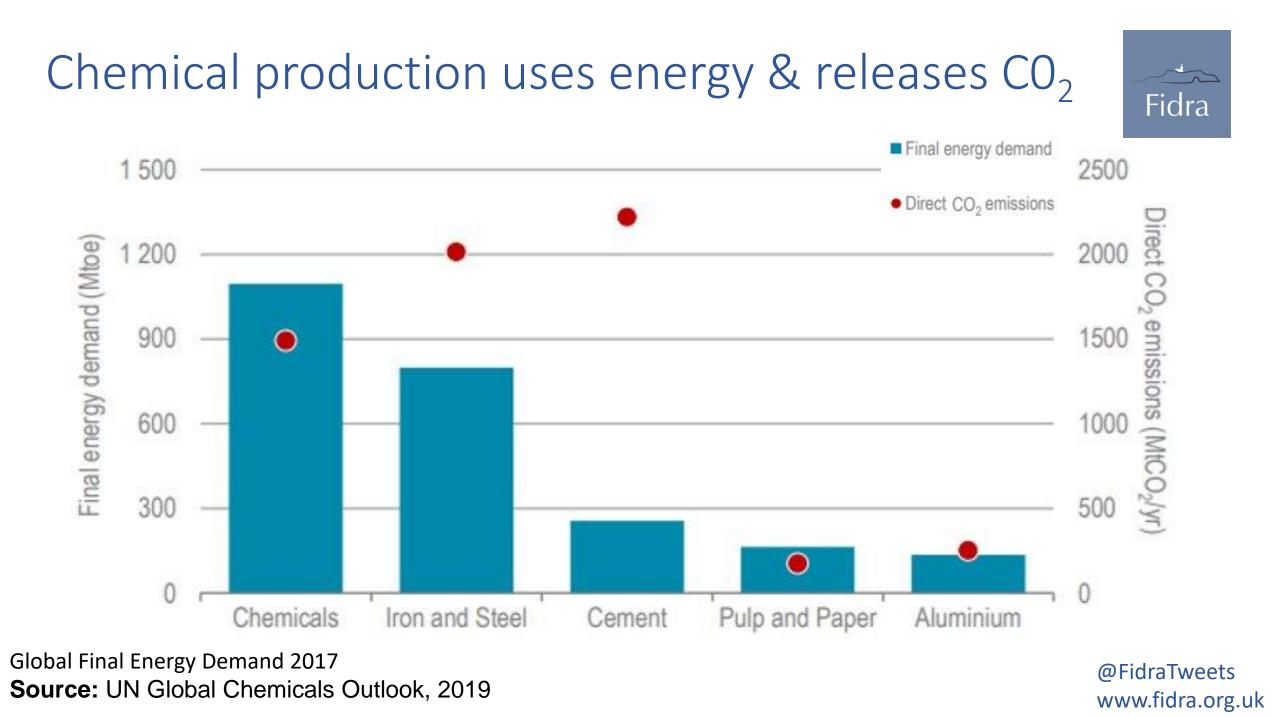
Climate change, plastic waste & chemical pollution

Fidra

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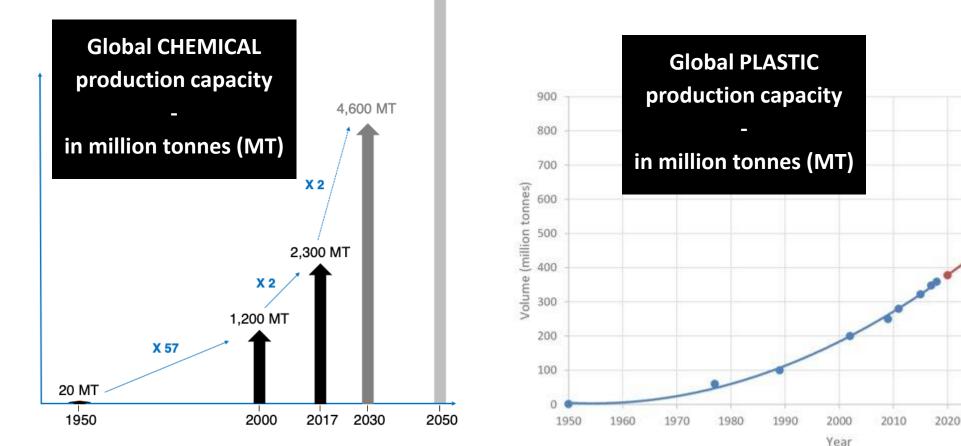
Fidra is Scottish registered charity and SCIO SC043895

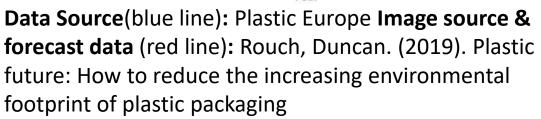




A growing problem







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2030

2040

2050

Image Source: UN Global Chemicals Outlook, 2019

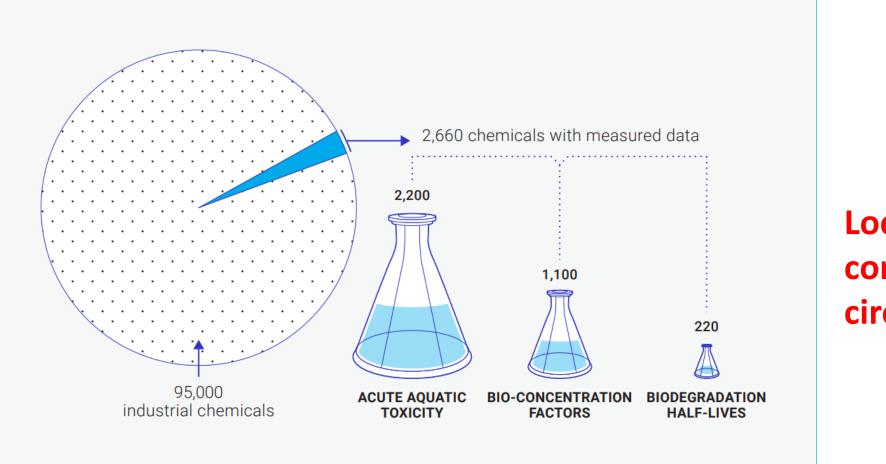
Are we going round in circles? Interrelated source and impacts



Chemical Plastic pollution Plastic pollution **HEALTH &** FØŜSII SOCIAL **SPECIES LOSS** FUEL Chemicals Energy **IMPACTS** Climate change @FidraTweets

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Unknown consequences of chemical use

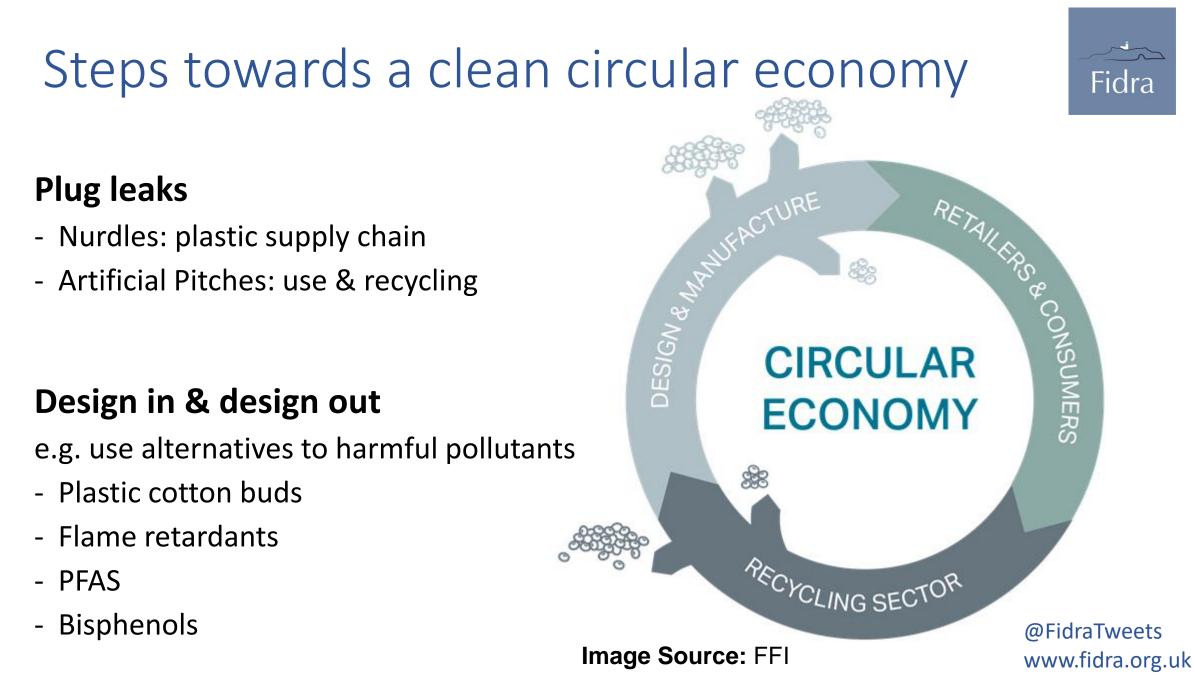


Locking chemicals of concern into a circular economy

Fidra

Note: Out of a set of 95,000 industrial chemicals, 2,200 had data on acute aquatic toxicity, 1,000 on the extent to which they build up in the environment (bio-concentration factors), and 220 on how long it takes them to break down (biodegradation half-lives) Source: Strempel *et al.* 2012

Source: UN Global Chemicals Outlook, 2019



Steps towards a clean circular economy



Get real at every stage & every step

Engage industry, retail, consumers, recyclers and regulators

e.g. Packaging from polystyrene, compostables and reusables

e.g. Best Fishes: Can we minimise environmental impacts of Scottish salmon farming?

Recycled ideas



- Restrictions on materials and chemicals: PFAS in food contact; bisphenols in receipts
- Limits on pollutants
- Taxes on chemicals e.g. plastic additives, chemicals in textiles
- Ecodesign principles
- Green chemistry
- Essential use



Clean Circular Economy

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