

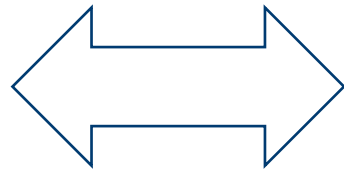
Beyond COP 26 What next?

Ian Boyd



What is needed by institutions?

How should national governments respond?



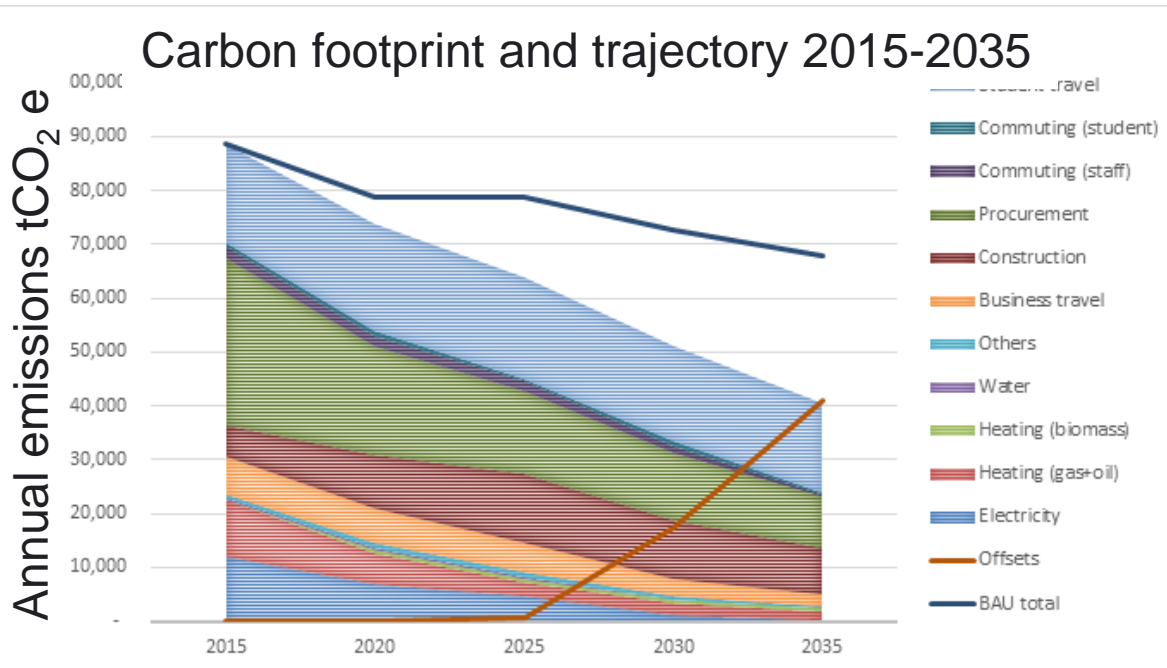
Institutional targets

Institutional context



Key learnings

- “Net Zero” is hard work
- Culture needs to change throughout - intent is not enough
- Scope 3 included
- Business model needs to change
- Need to absorb carbon
- Its not just about carbon
- Statutory reporting is ineffective
- Regulation needed for a level playing field

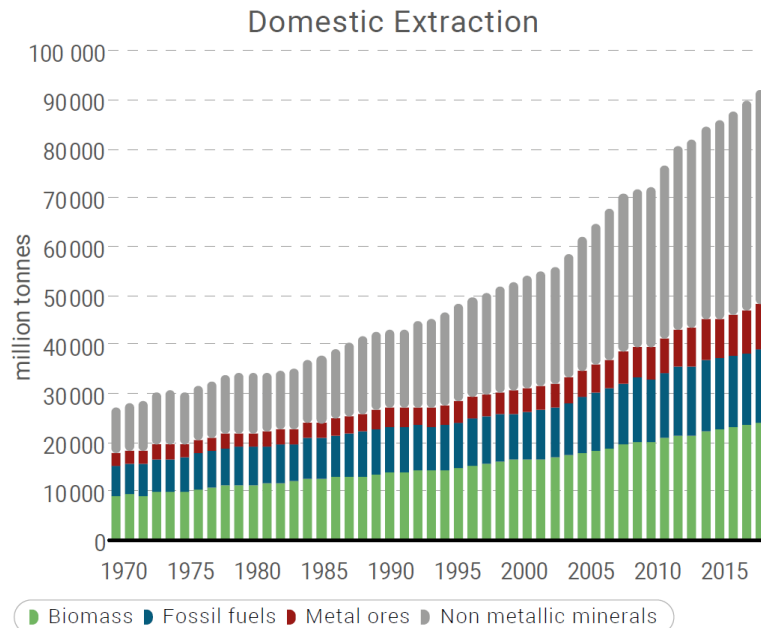


“....the sense from people here is that we have to get on with things ourselves as there is no ‘government cavalry’ coming over the hill...”

National context

GHG are a symptom consumption of basic materials keeps on increasing

- Material productivity declining
- Increasing evidence of resource exhaustion
- Some evidence of declining return on investment in innovation



Source: UNEP & IRP, 2018

In Scotland:

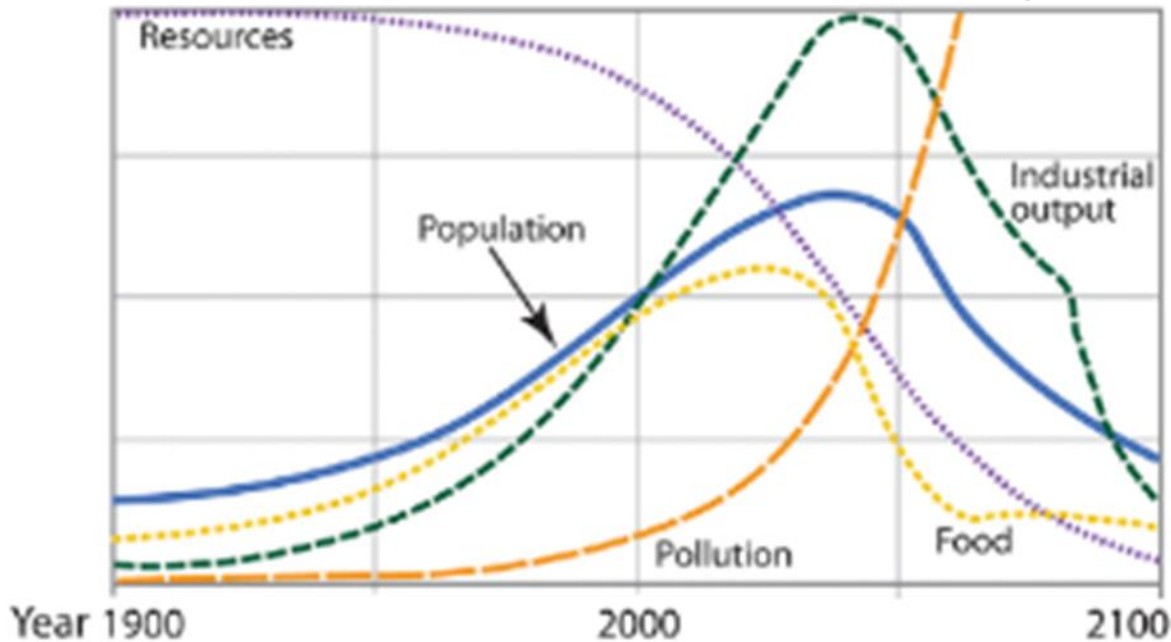
Each person consumes **18 tonnes**
of raw materials each year

This needs to be **8 tonnes** to create
a sustainable society

Global outlook (reasonable worst case)

Business as usual
(higher empirical support)

- Material productivity declining
- Increasing evidence of resource exhaustion
- Some evidence of declining return on investment in innovation

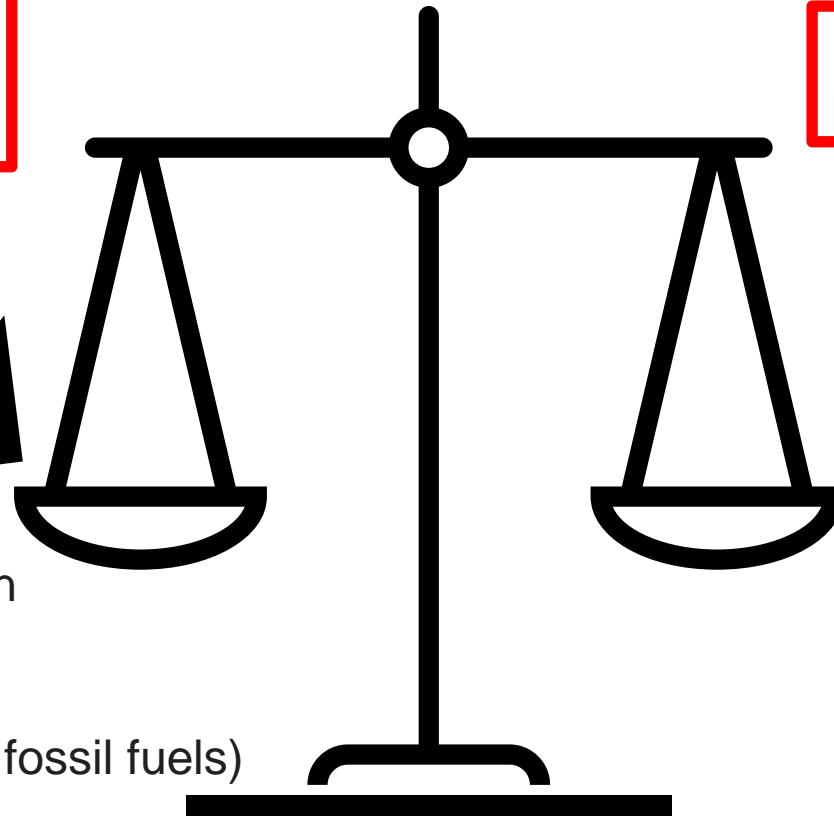


Herrington, G. 2021. Update to limits to growth: comparing the World3 model with empirical data. *Journal of Industrial Ecology* 2020:1-13.

Current policy context

**Supply
side
policies**

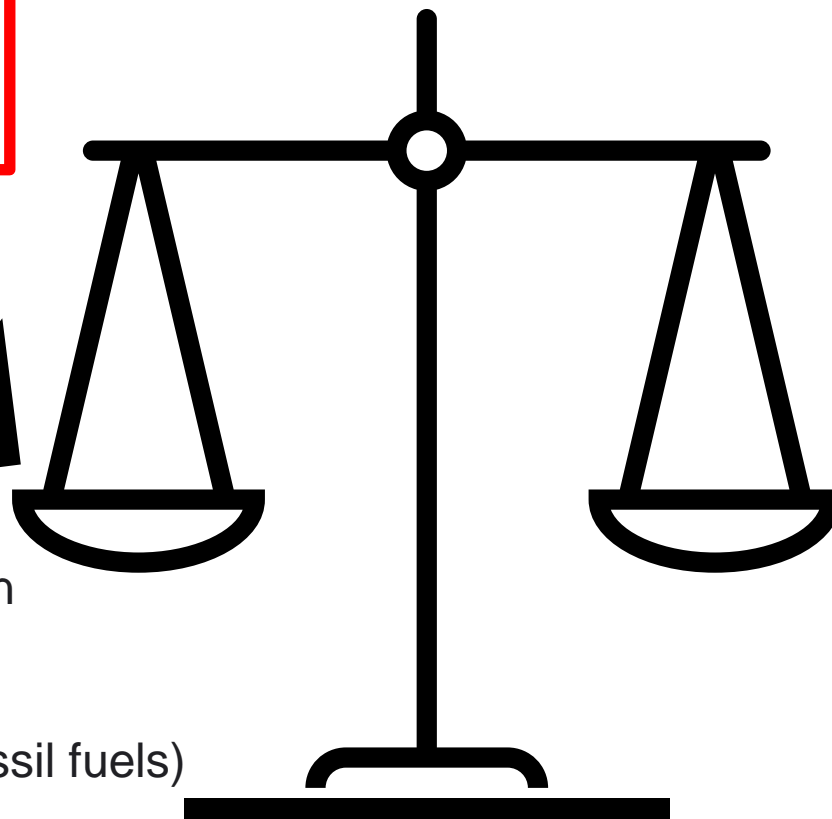
**Demand side
policies**



“What next” policy context

**Supply
side
policies**

**Demand
side
policies**



Internalise
environmental
costs

Research & Innovation
Market solutions
Deregulation
Subsidy (excluding fossil fuels)

Regulation
Fiscal policy (pricing)
Incentivisation

What next?

- Machinery of government needs to reflect the size of the challenge
- Policy innovation is needed just as much as technology innovation
- Policies need to empower institutions to get on with the job
- Acknowledge that sustainability is much more than “net zero” carbon

What next?



“Line in the Sand”