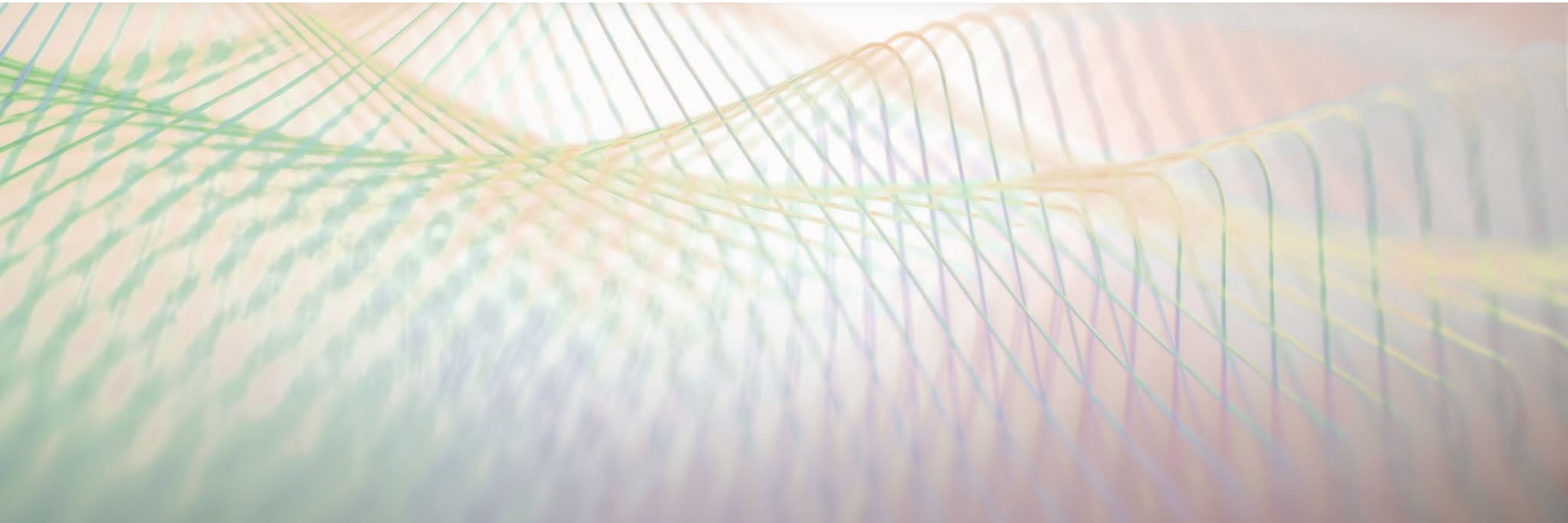


Northern and Yorke Regional Forum

31/3/23

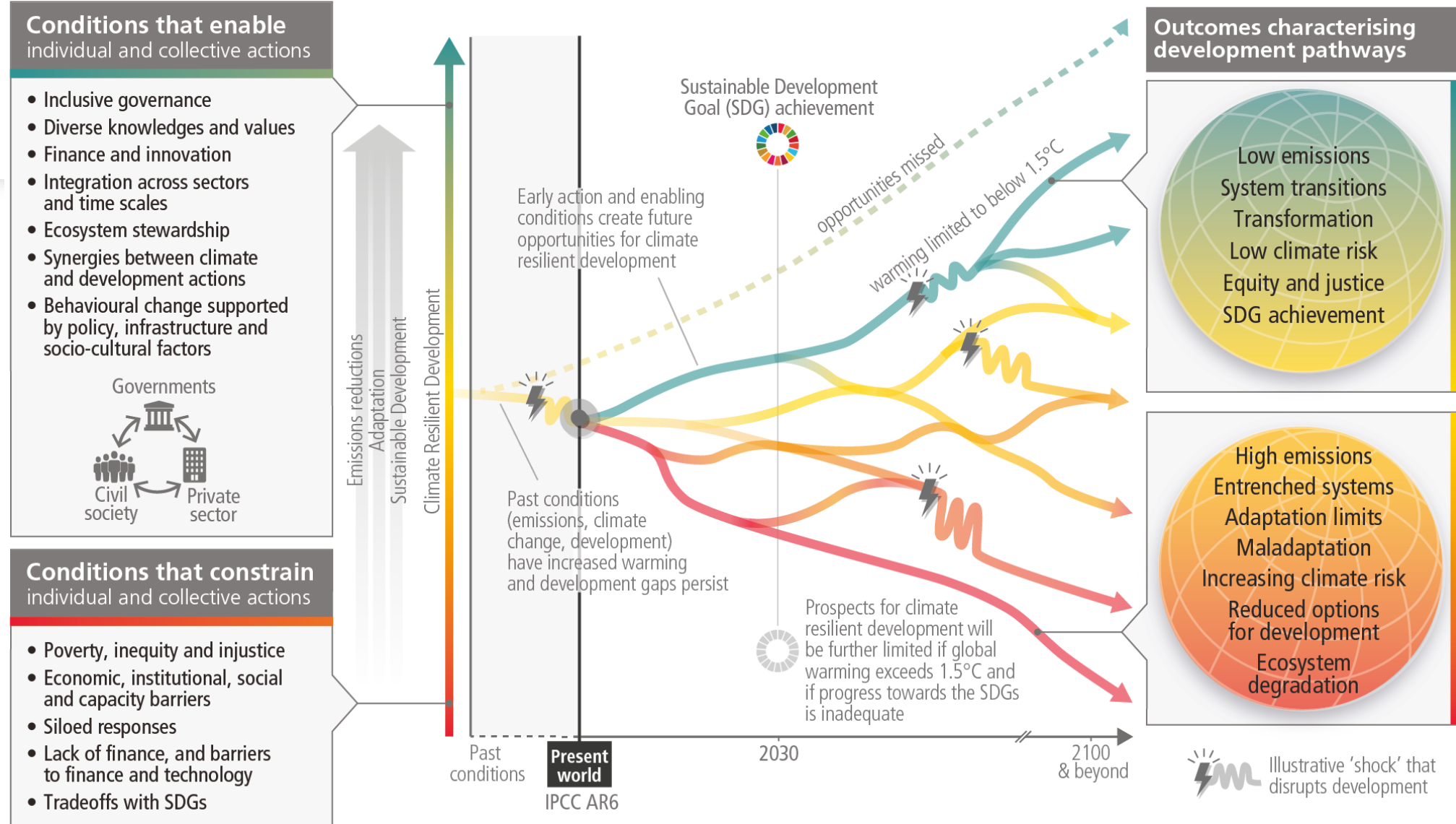
Benefits to an Integrated Circular Economy

Vaughan Levitzke PSM



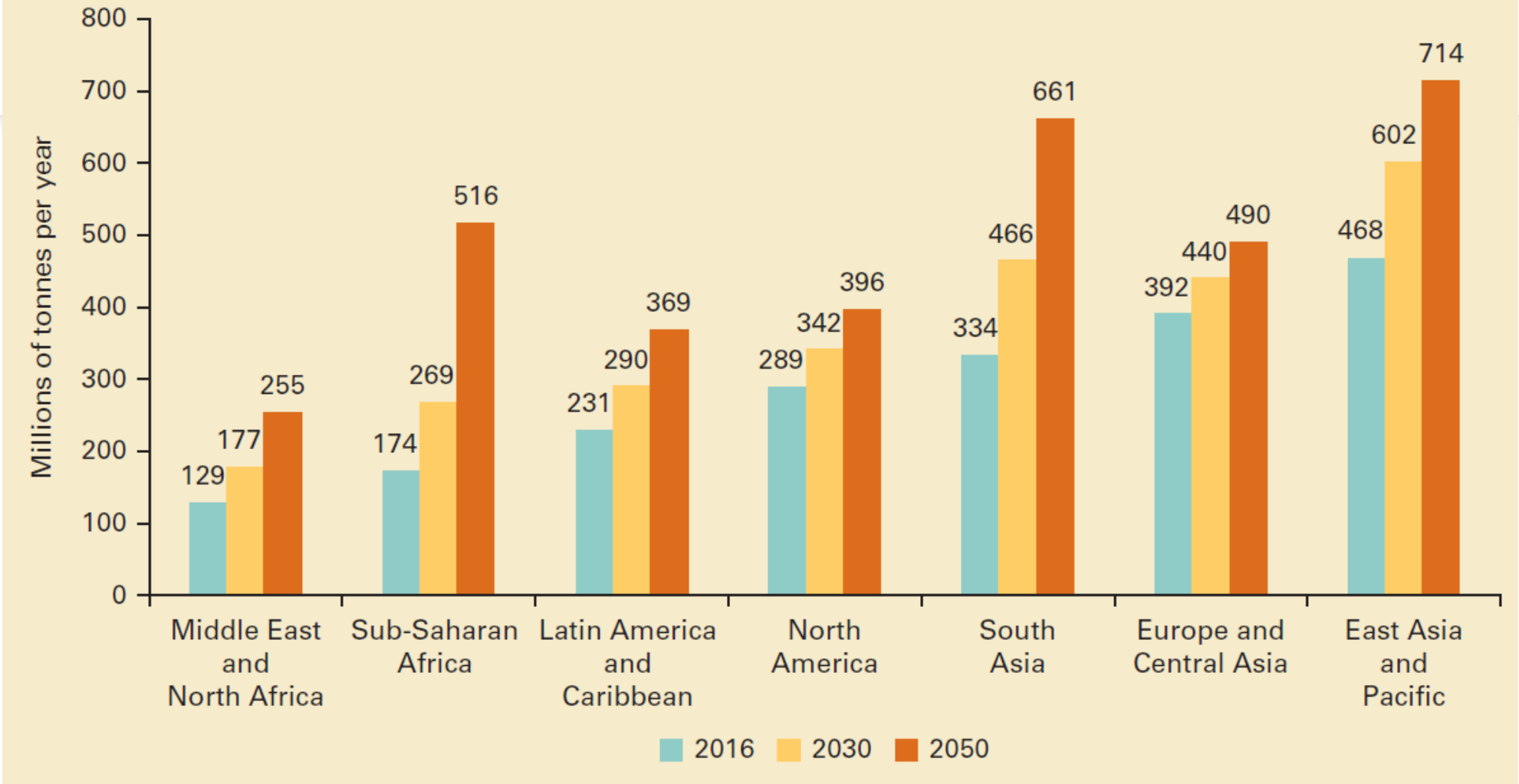
There is a rapidly narrowing window of opportunity to enable climate resilient development

Multiple interacting choices and actions can shift development pathways towards sustainability



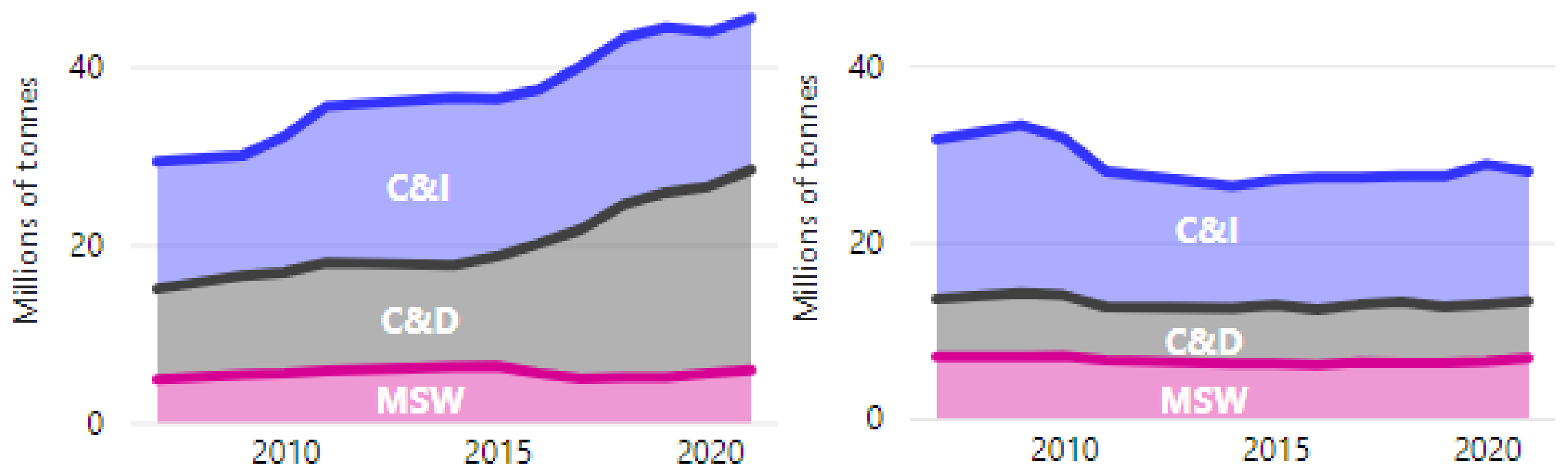


World Bank – global waste generation





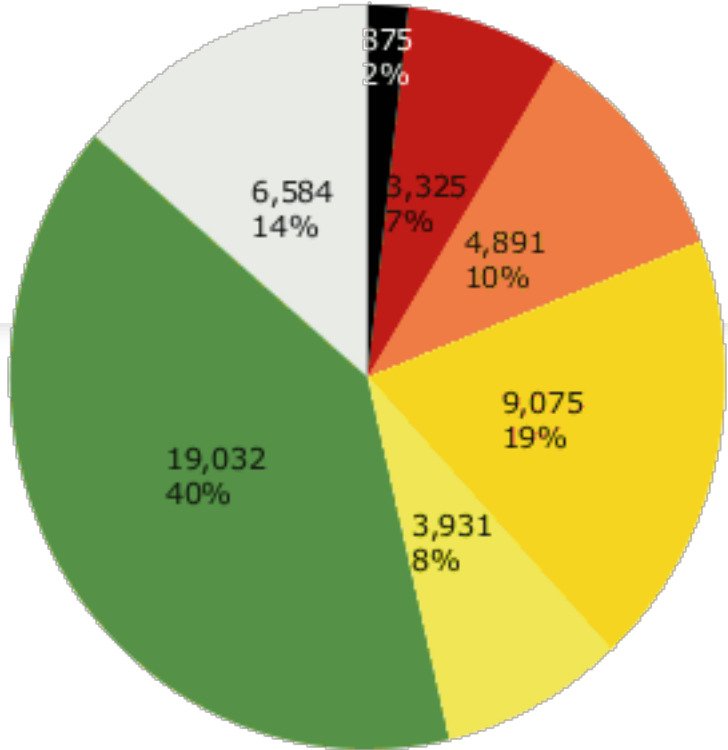
Recycling (L) vs Landfill (R) - Australia



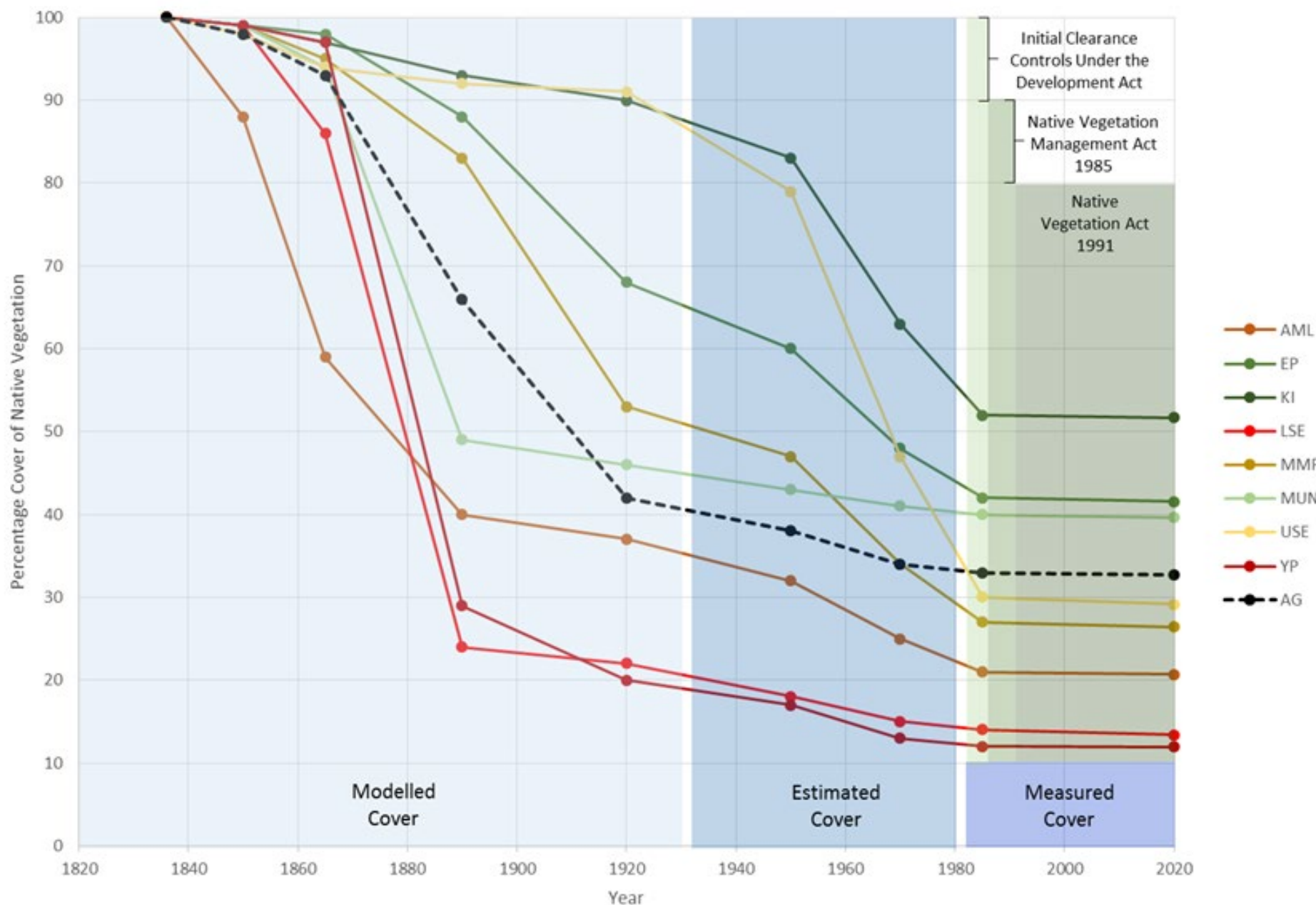


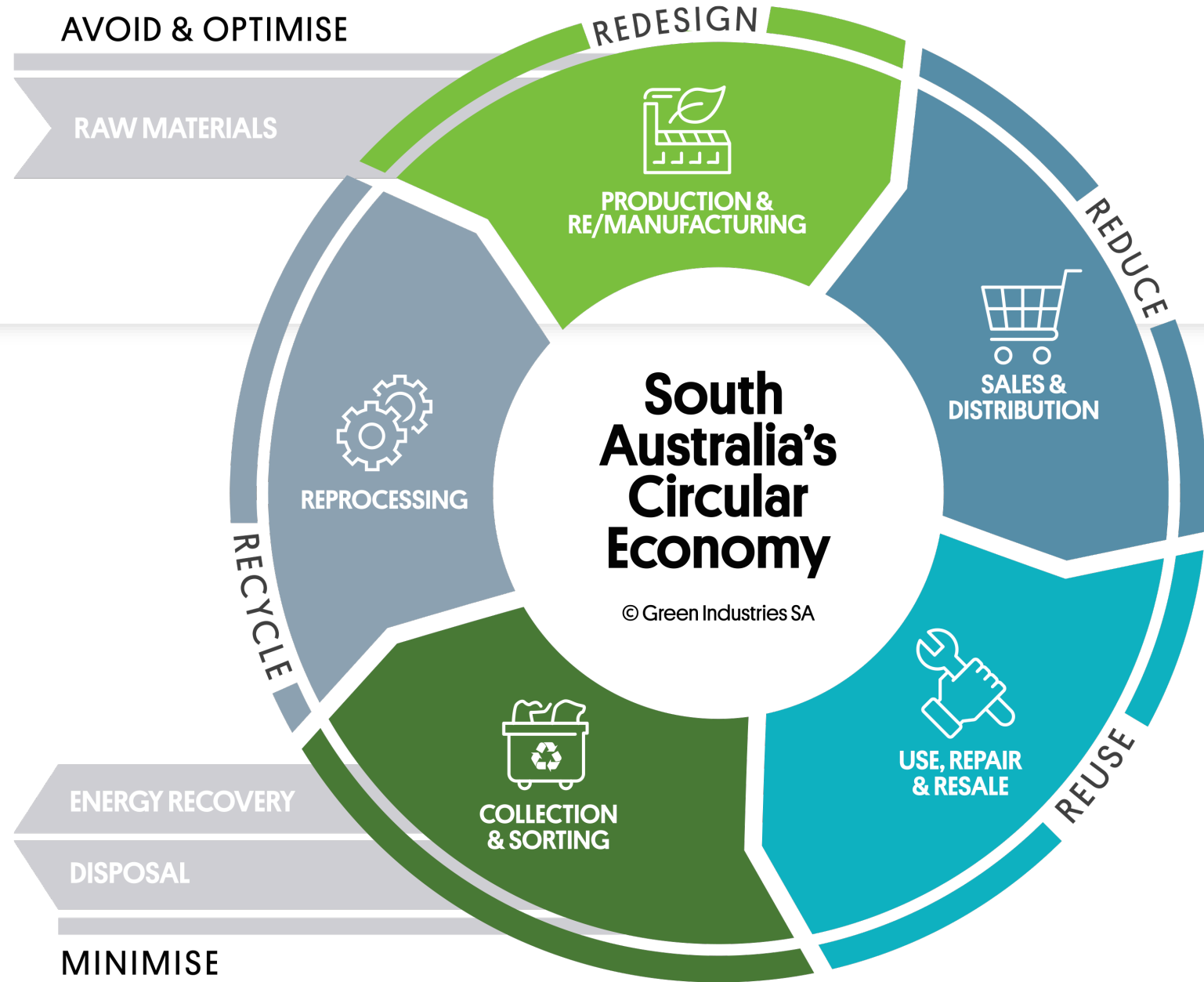
Global Biodiversity loss

- 1.Habitat loss and degradation
- 2.Climate change
- 3.Excessive nutrient load and other forms of pollution
- 4.Over-exploitation and unsustainable use
- 5.Invasive alien species



Native Vegetation Clearance History of the South Australian Agricultural Zone (Percentage)





**Plus:
Regenerative
Landscapes**



Why are we not making much progress?

Sunk cost effects and vested interests

Inability to think and act holistically or across systems

The term of impact can be quite long, and not immediate

Governments don't have the \$ or the right policies -yet

Businesses don't have the capability or investment -yet

Expectations: People ie consumers want others to fix everything for them and without cost.

Internationally- inequity, injustice, poor governance, the list is long!



Challenges and Problems

Translating policy to action

- Identifying real actions to take- Strategy!
- Building evidence base (to educate and mitigate risk)
- Doing tangible, measurable actions including Regulation
- Learning

Engaging with and transforming industry

- Don't know about CE
- Risk averse in uncertain times, so await others
- Can't easily translate to profits and margins
- Need many case studies
- Extended Producer Responsibility
- No shortage of investment \$- don't know where to put it!

Education and Demand Creation

- Public understanding- follow through to change in demand



Circular Economy- A global movement



Export and Community Demands

- Tariffs- how avoid international criteria?
- Robust reporting on Carbon; Materials etc
- Use of chemicals
- Demonstratable proof of process and measurement
- Care of environment and biodiversity
- Identification and Provenance; Labelling and quality
- Brand(s) – individual and regional - what they stand for?

Local Government

1. **Influence** residents and political systems- education; information; **Transparency**
2. Provide **quality systems** for kerbside and hard waste; **Frequency changes and FOGO**
3. **Procurement**- not just waste contracting, **also design, supplies and equipment**
4. **Planning** laws and their application to development (eg **demolition**)
5. **Look to businesses** in council areas to work together; **Help to build local supply chains and solutions**
6. What are you **planting and conserving- parks/ gardens/ street trees etc?**
7. What are you **regenerating?** Who sees value in that work?
8. Your **energy?** Is it **renewable?**
9. **Work together to do all the above**

Industry

1. Supply chain management- **influence through procurement**
2. **Measurement-** Carbon and Materials
3. **Fertiliser and chemical** use
4. **DON'T** greenwash- severe penalties ACCC
5. **Extended Producer Responsibility** eg packaging
6. **Lease equipment; servitisation** of what are often high capital purchases
7. **Biodiversity and heritage agreements-** regeneration of farmland and native species= better environment, better sustainability, less chemicals, greater tourism
8. **Educate your visitors and tourists about the brand, also all the above actions**
9. **Labels and regions- identify as leading.**
10. **Work together-** reduce costs etc.
11. **Opportunity for common systems that help everyone**

Benefits?

A livable earth

Genuinely sustainable industries and businesses

Engaged communities, more resilient communities

Improved infrastructure

Improved social equity and justice

Benefits to cost of production

Better environment, water quality and availability, improved soils and improved well being

Part of the international change, with opportunities to EXPORT IP, Services, Products.



Looking for inspiration?

<https://www.greenindustries.sa.gov.au/documents/circular-economy-opportunities-murraylands.pdf>

<https://www.greenindustries.sa.gov.au/documents/circular-economy-opportunities-limestone-coast.pdf>