

Global Value Chains and Industrial Symbiosis for Circular Economy

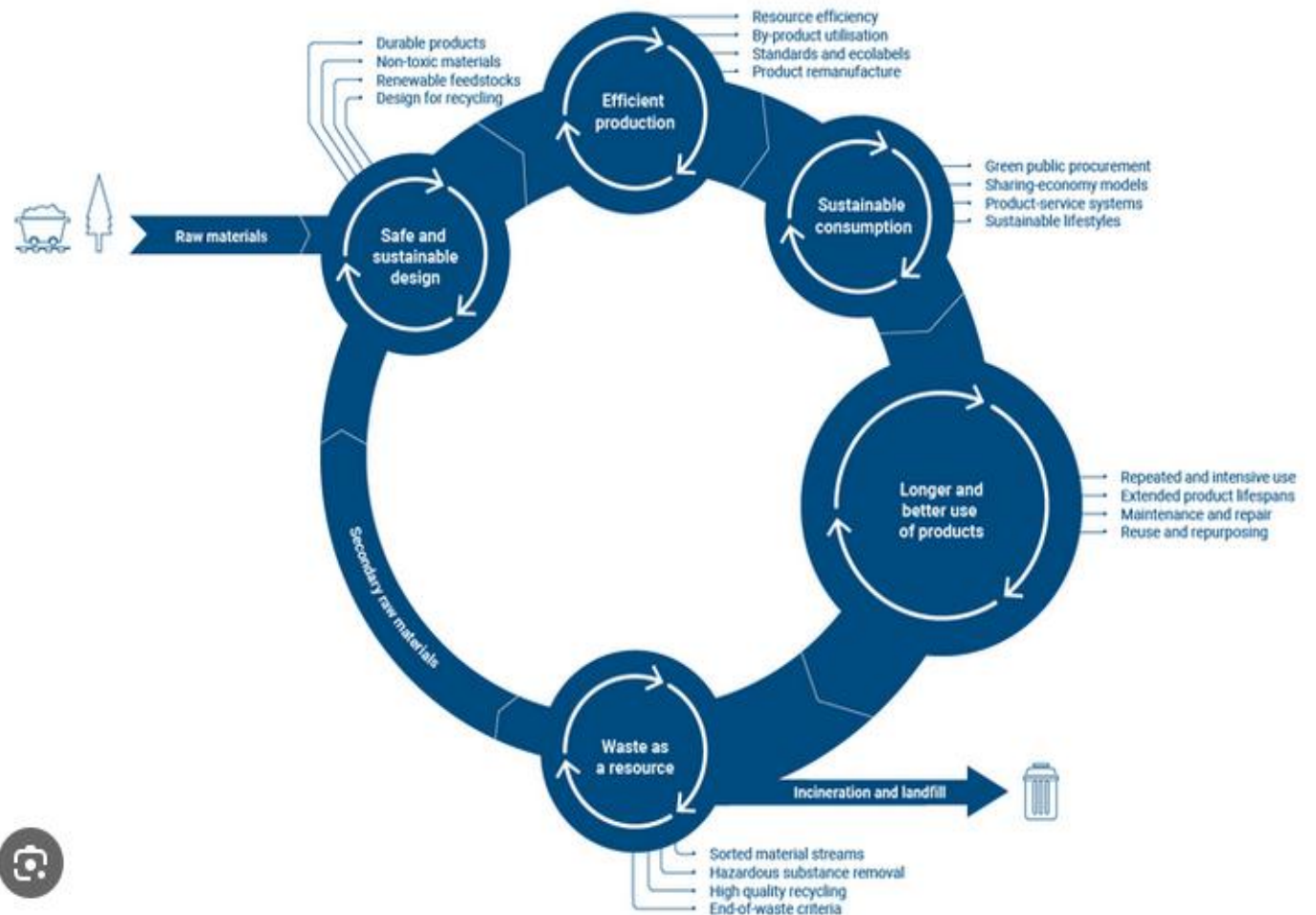
Bryan Fornari, Head of Cooperation
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What is circular economy?



European Environment Agency (EEA) - European Union



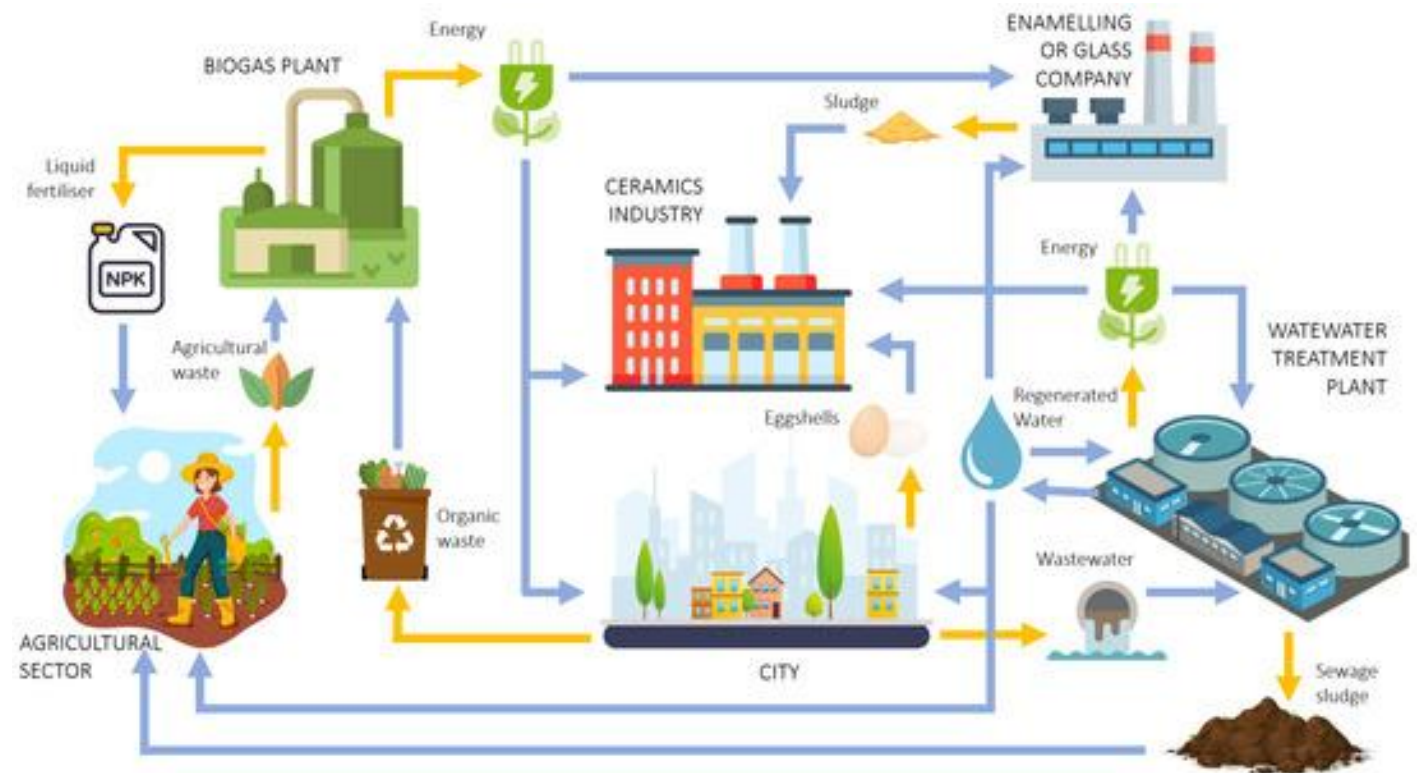
INDUSTRIAL SYMBIOSIS (IS)- Lessons Learnt from European examples 1/2



- Reducing waste and emissions
- Lowering production costs
- Improving resource efficiency incl. energy costs
- Reduced dependency on imported inputs
- Increasing competitiveness

INDUSTRIAL SYMBIOSIS (IS)- Lessons Learnt from European examples 1/2

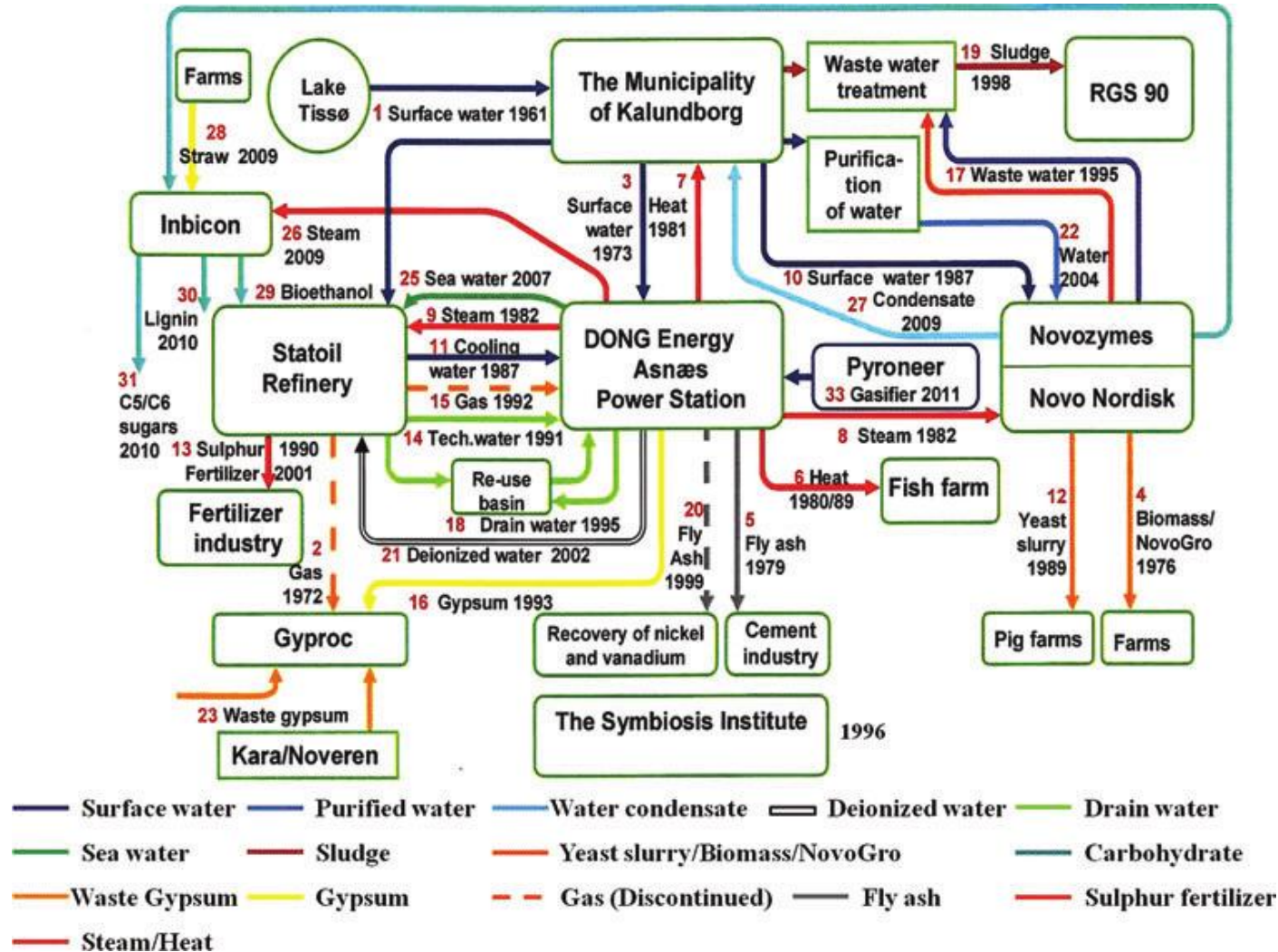
- 1. IS works best in clusters
- 2. Cross-sector partnerships create new value
- 3. Skills and training are essential



Example: Ceramic production in a Spanish municipality



Example from Denmark



- Kalundborg Symbiosis (Denmark) is a partnership between seventeen (17) public and private companies
- Together, since 1972, they developed the world's first industrial symbiosis with a circular approach to production
- Very different companies linked to the cycle



Why This Matters for Cambodia's Development

- Alignment with Pentagonal Strategy Phase I
- Supports green, resilient industrialisation
- Reduces production costs
- Strengthens energy security
- Improves environmental performance
- Adds value hence competitiveness

Industrial Symbiosis is not just a European concept; it can be adapted to Cambodia's industrial landscape



How the EU supports Circular Economy in Cambodia? Examples

EU Switch ASIA

- Adoption of the National Circular Economy Strategy and Action plan in 2021.
- Concrete initiatives for waste reduction in industry, food packaging and tourism

Cashew and Pepper

- Sustainable value chains for exports towards premium markets such as the EU

Skills: Support to education pathways

- Demand for green, technical, and digital skills is rising across industries including to implement circular economy
- EUR 57M on green and digital upper-secondary technical and tertiary education

Thank you!

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