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"Sustainable Chemistry 2015 – the way forward"

Session 5: Sustainable chemistry – the business case (part 1) – observations from supply chains of the textile sector

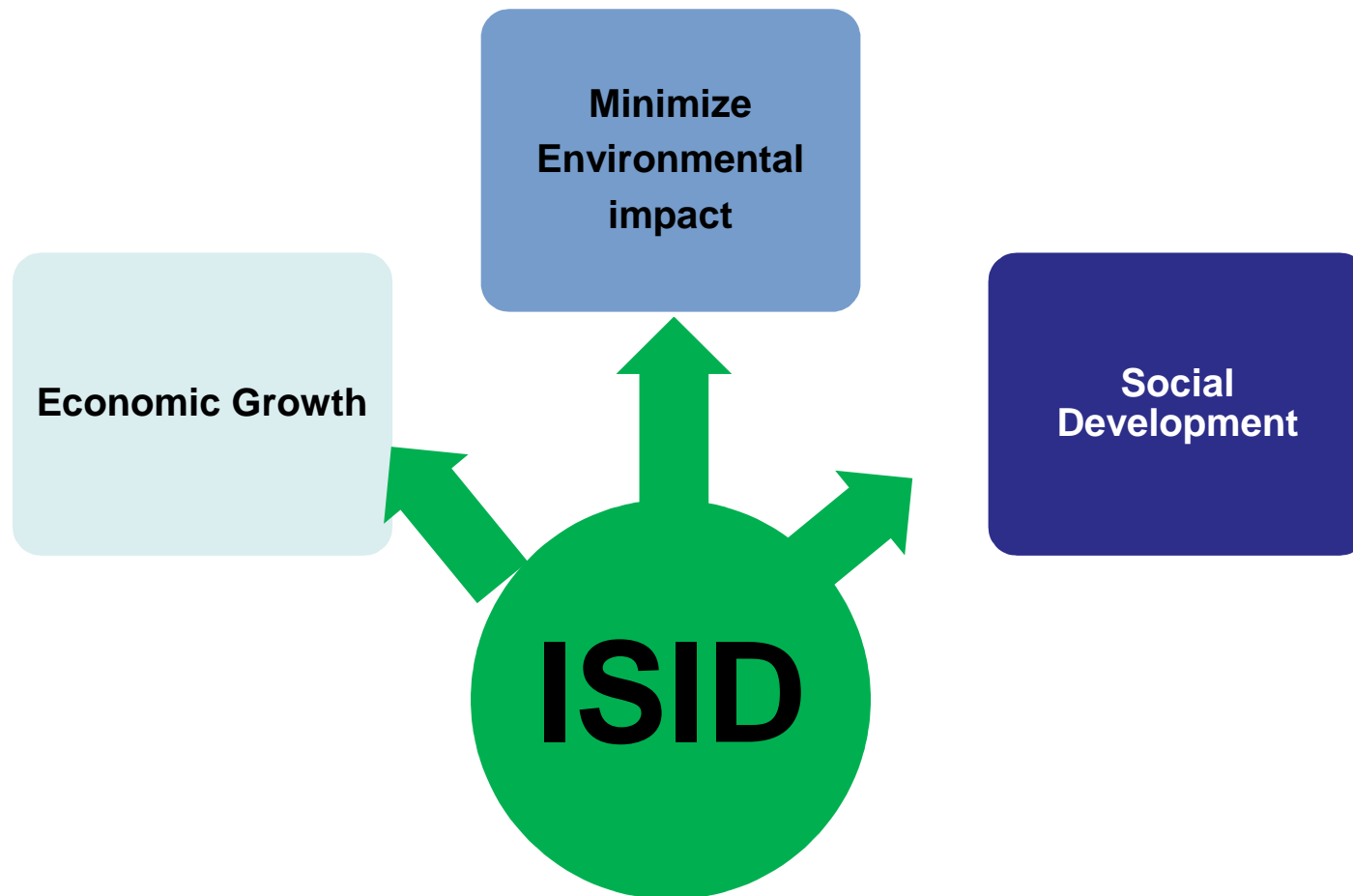


INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT



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Inclusive and Sustainable Industrial Development





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Global Programme for Resource Efficient and Cleaner Production (RECP)



PRODUCTION EFFICIENCY

Improve productive use of natural resources



Increase productivity

ENVIRONMENTAL PROTECTION

Minimize the impact on nature



Reduce emissions and the
use of natural resources

SOCIAL ENHANCEMENT
Support communities and reduce risks



Improve the well-being of
workers and communities

INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT



The International RECP Network



The network currently has **over 70** members delivering RECP services in **over 60** developing countries. Through RECPnet, knowledge and know-how is exchanged and North-South and South-South cooperation is promoted.

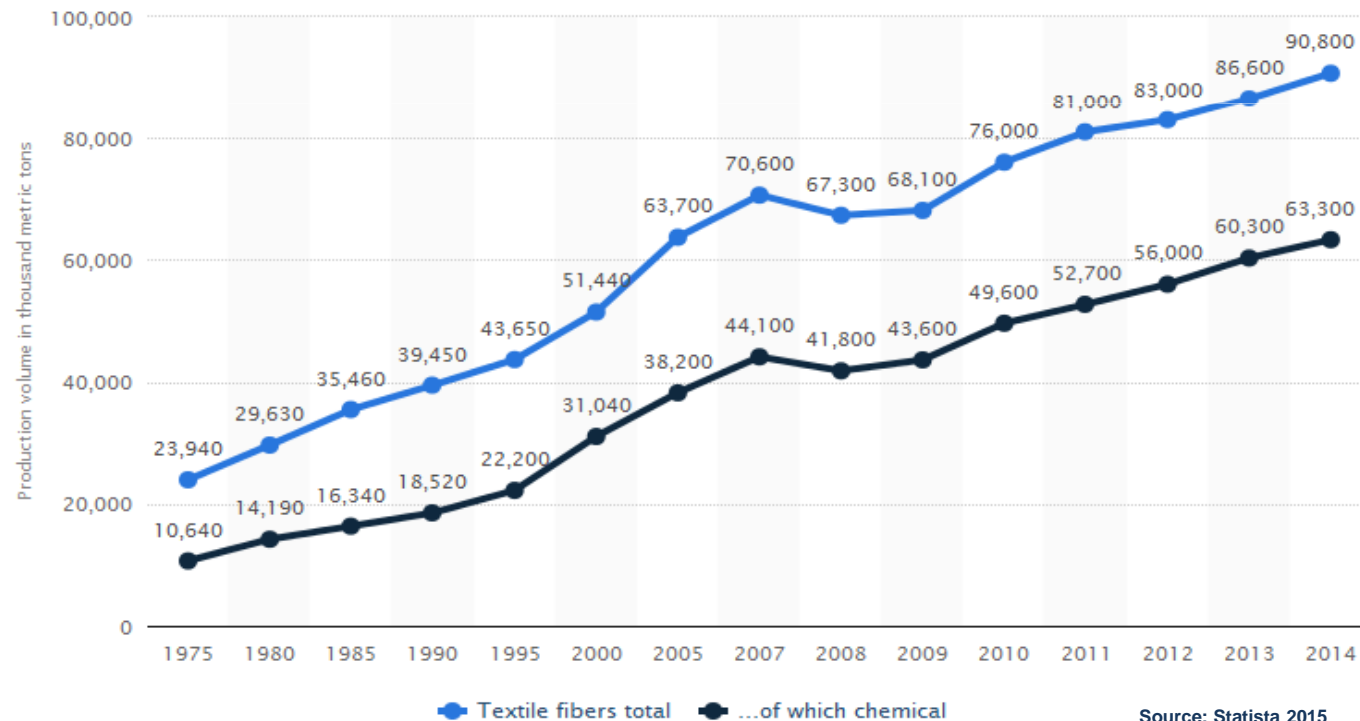
Supported in cooperation with UNEP



Growing Global Textiles and Apparel Sector

- Textiles and Apparel sector represents 3% of global merchandise trade

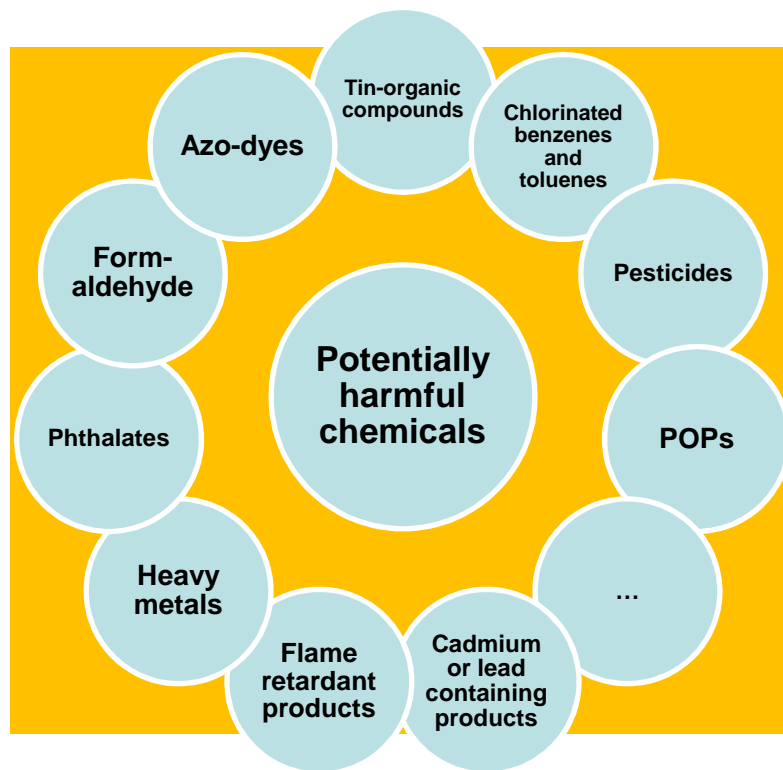
Increase of fibers production 1975 - 2014





Textiles and Apparel Sector - Chemicals

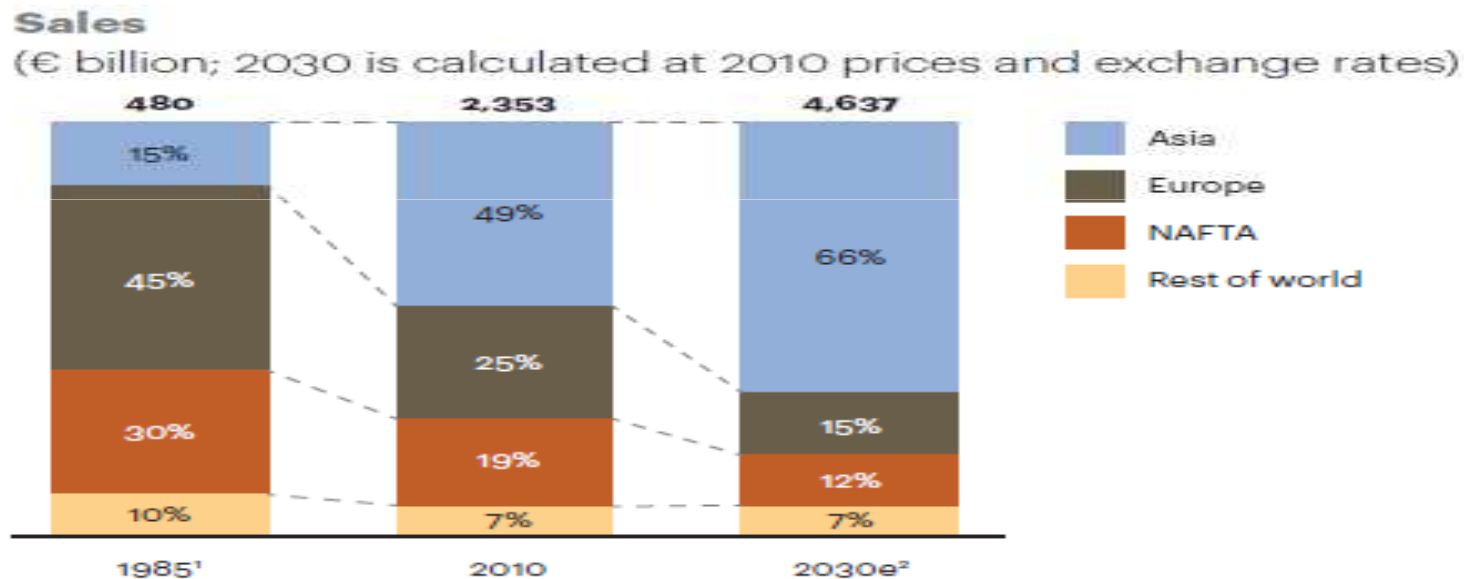
- Chemicals used including dyes; basic commodities such as oils, starch, waxes, surfactants, pesticides, and specialized chemicals such as flame retardants and water repellants
- 10% of Global Carbon Output and 20% of global water pollution is textile related¹
- World consumption of textile chemicals reached US\$ 19 billion in 2012



¹Source: www.greenchemistryandcommerce.org



Global Shift of Chemicals Sales to Developing and Transition Economies



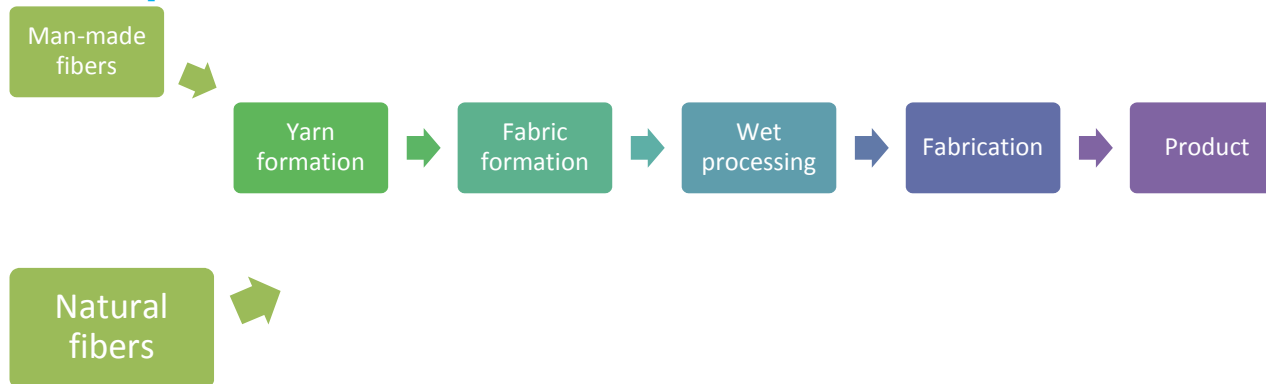
China is the largest consumer of textile chemicals, with 42 per cent of global consumption

Source: CEFIC, AT Kearney (2012)

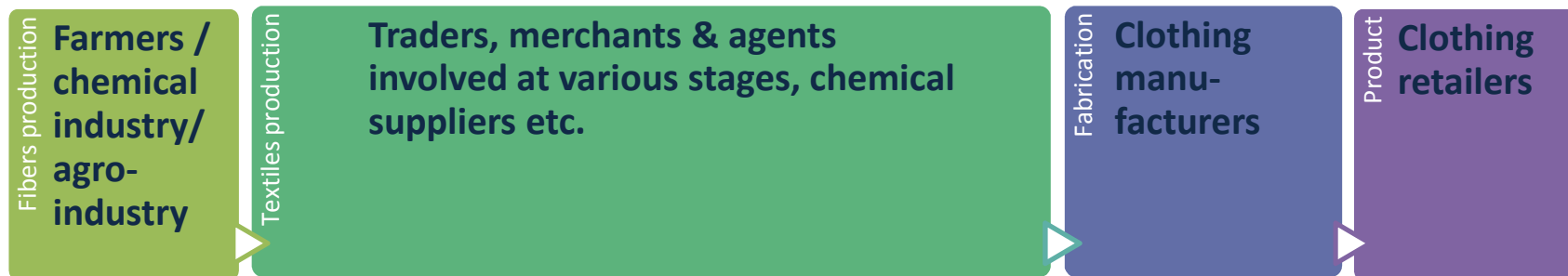


Growing Complexity of the Supply Chain

1 The process

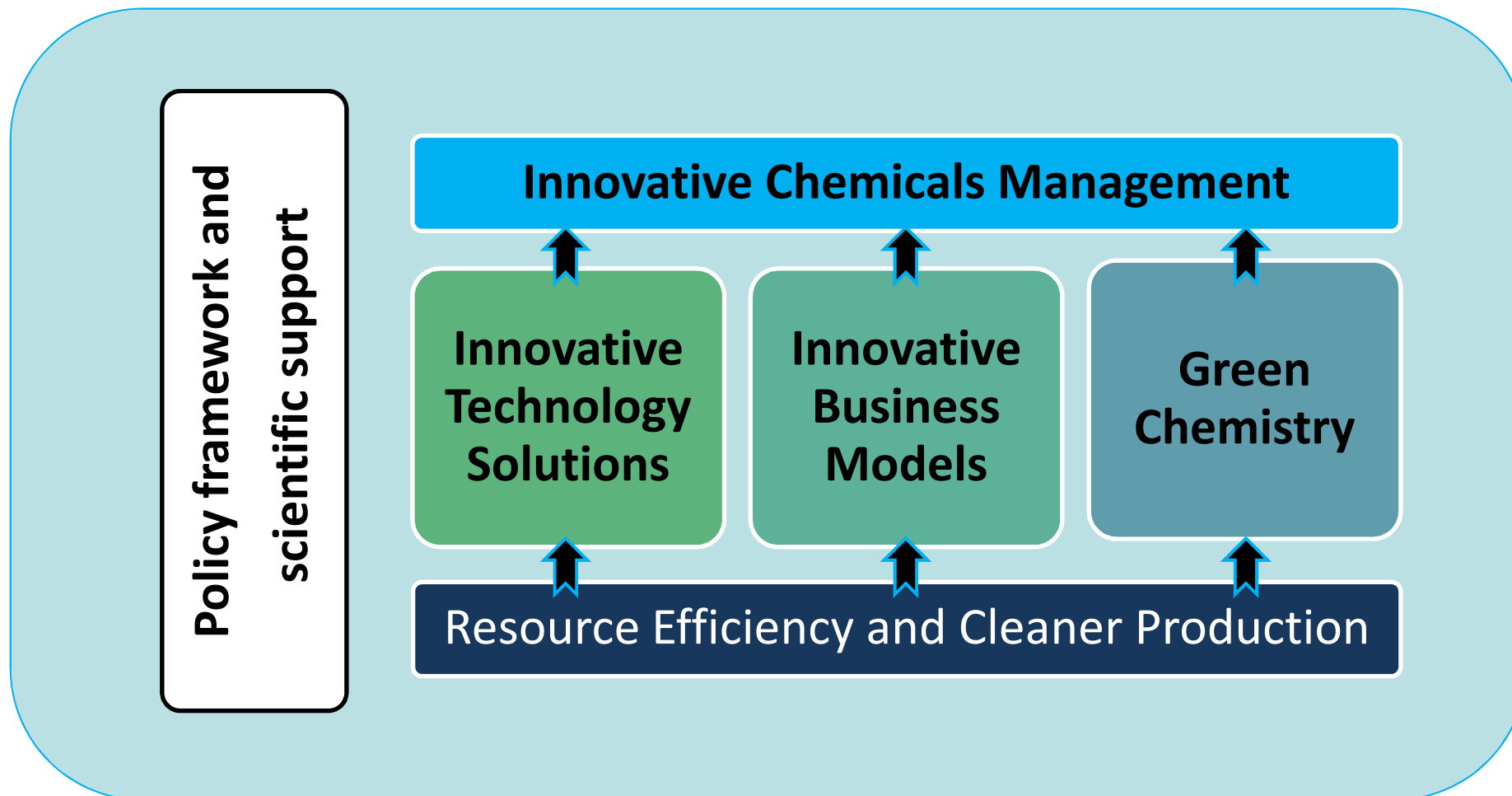


2 Stakeholders





UNIDO's Approach





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Chemical Leasing

Sustainable Chemicals Service Solutions



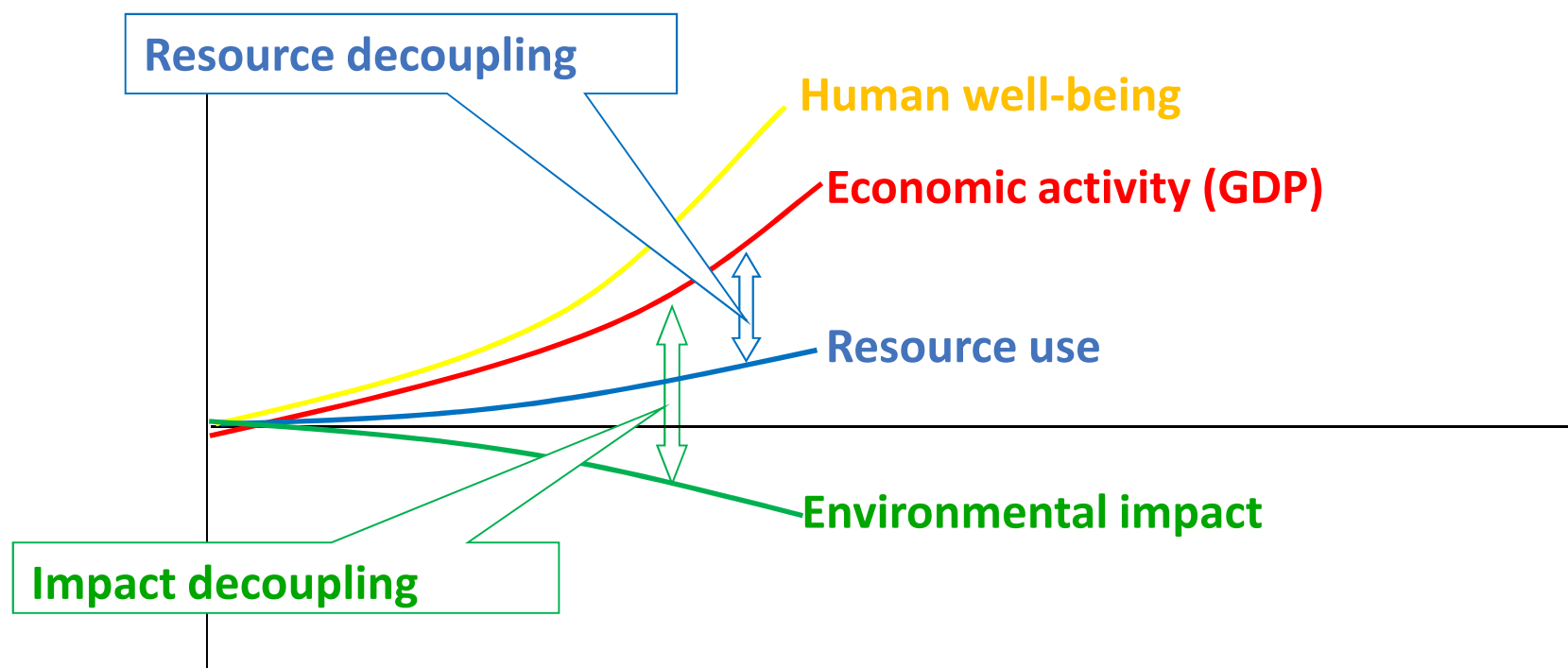
- Shifts the focus from increasing sales volume towards a value-added and functional based approach
- UNIDO Global Chemical Leasing Programme initiated in 2004
- Capacity Building and Demonstrations
- International multi-stakeholder working group
- Global Award



Business model & policy instrument for sustainable chemistry



The Way Forward





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THANK YOU!

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