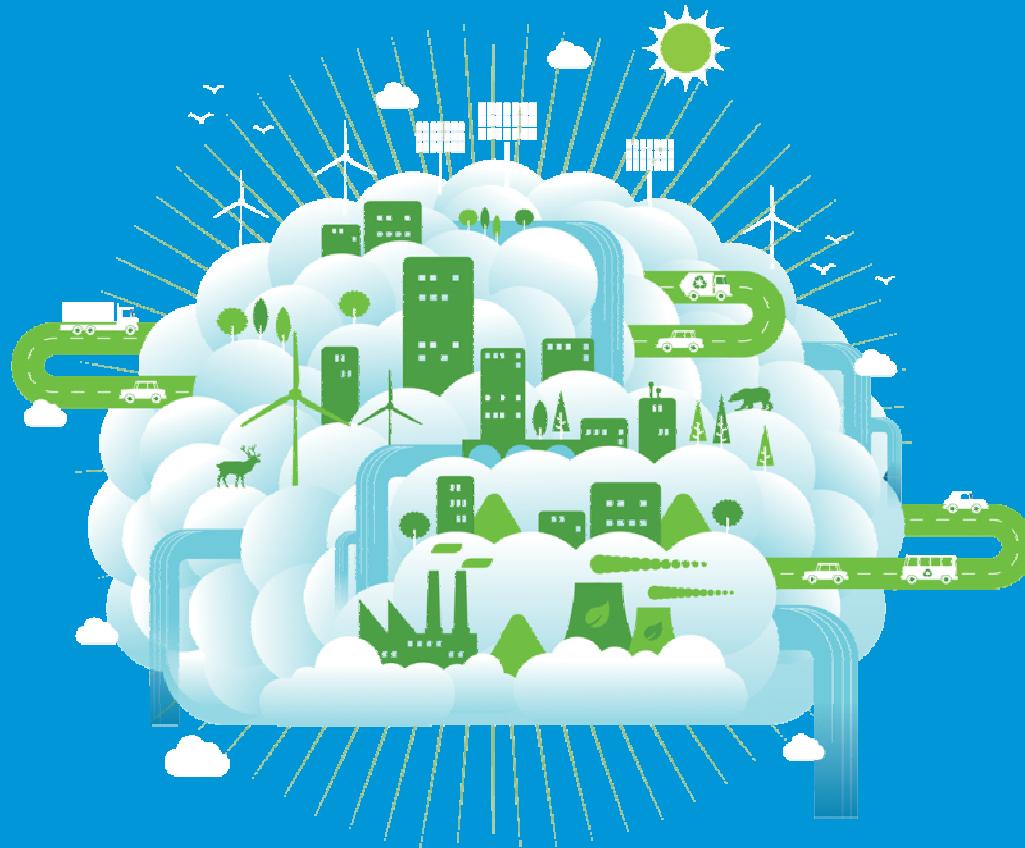




"Sustainable Chemistry 2015 – the way forward"

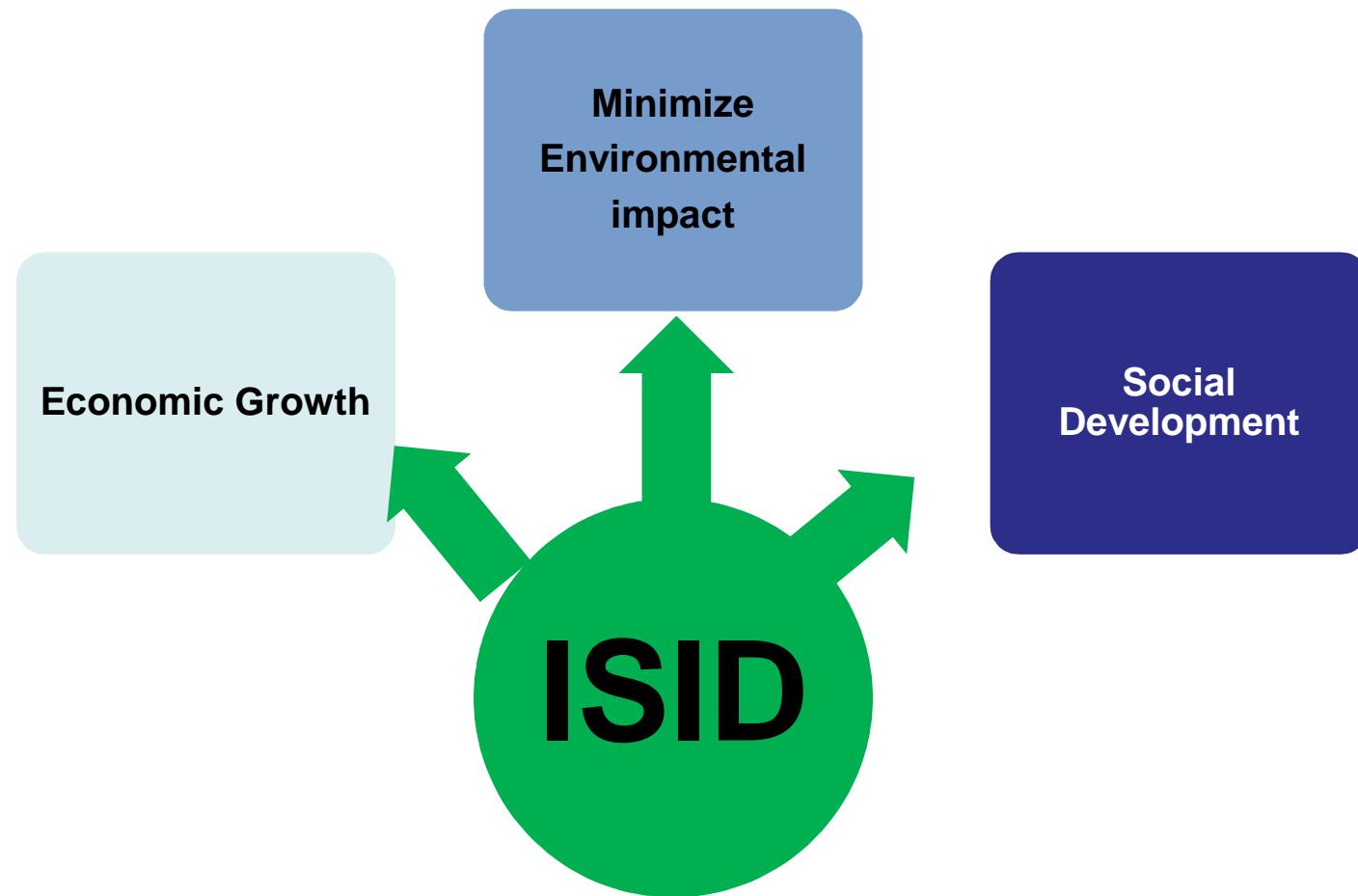
Session 5: Sustainable chemistry – the business case (part 1) – observations from supply chains of the textile sector



INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT



Inclusive and Sustainable Industrial Development





Global Programme for Resource Efficient and Cleaner Production (RECP)



PRODUCTION EFFICIENCY

Improve productive use of natural resources

ENVIRONMENTAL PROTECTION

Minimize the impact on nature

SOCIAL ENHANCEMENT

Support communities and reduce risks



Increase productivity



Reduce emissions and the
use of natural resources



Improve the well-being of
workers and communities

The International RECP Network



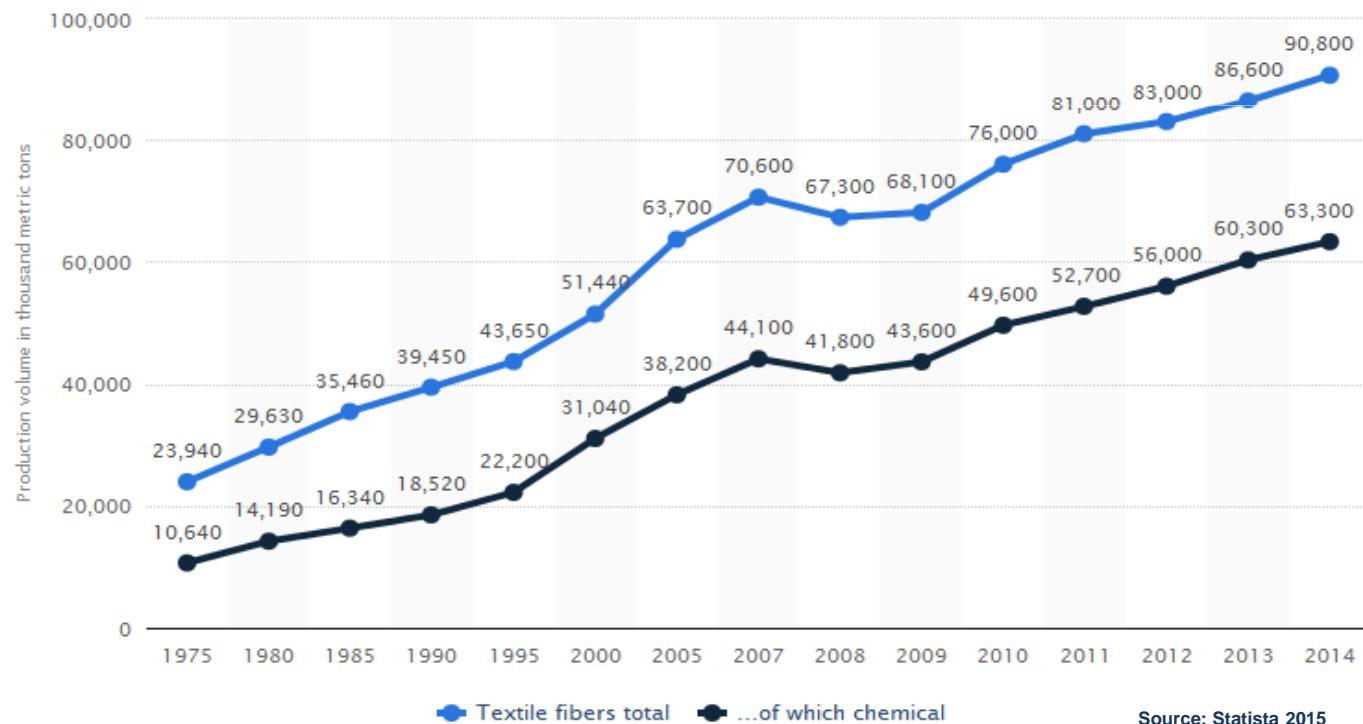
The network currently has **over 70** members delivering RECP services in **over 60** developing countries. Through RECPnet, knowledge and know-how is exchanged and North-South and South-South cooperation is promoted.

Supported in cooperation with UNEP

Growing Global Textiles and Apparel Sector

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

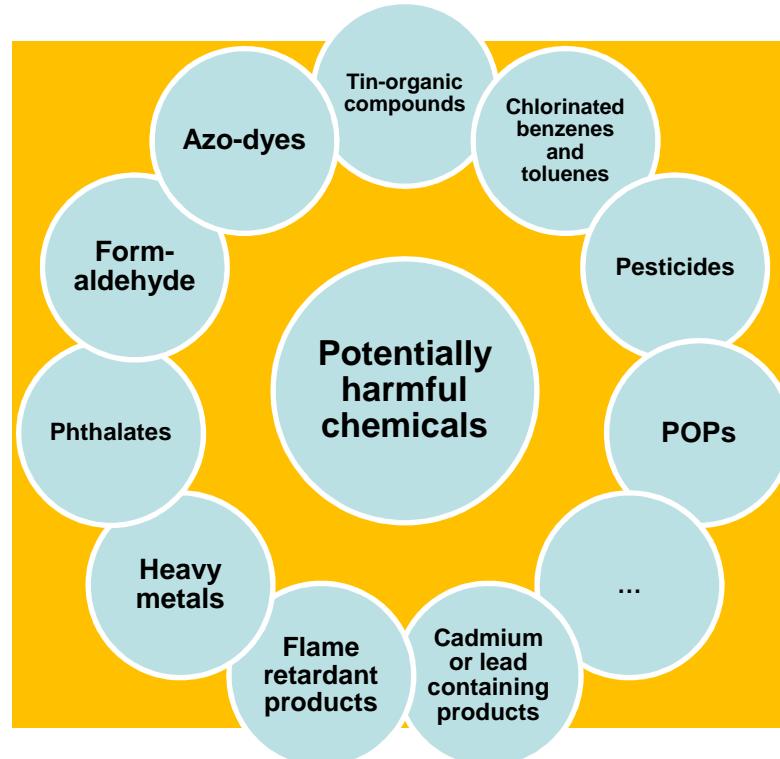
Increase of fibers production 1975 - 2014



Source: Statista 2015

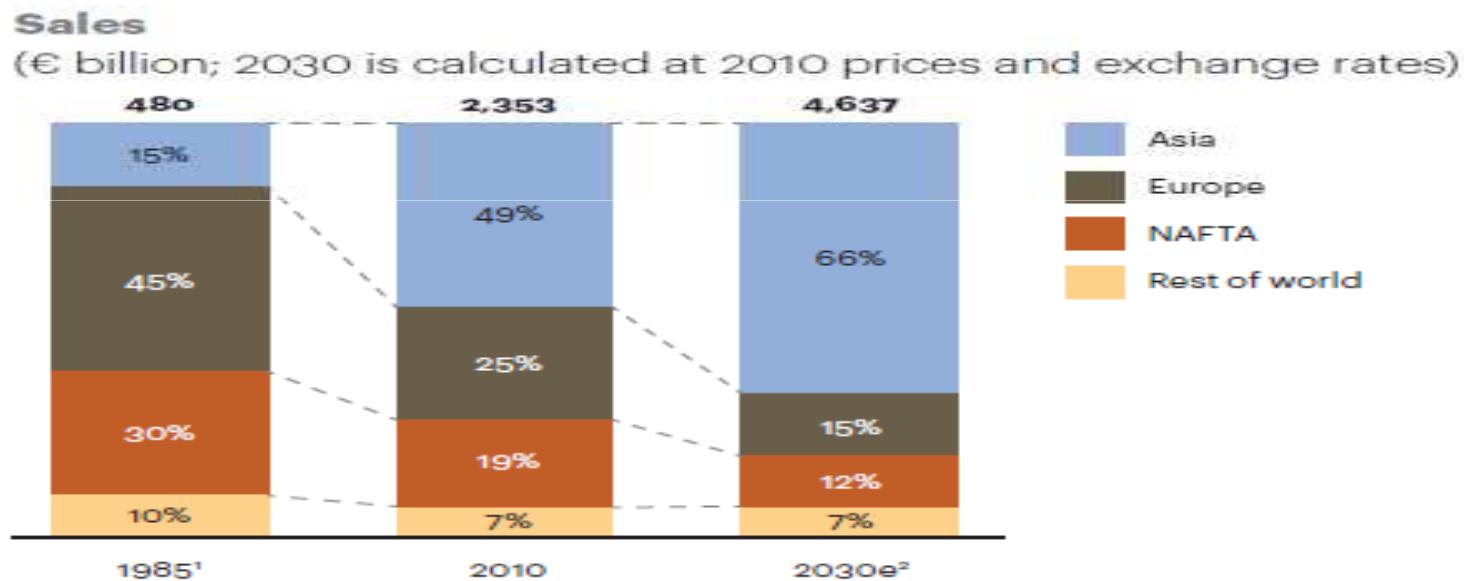
Textiles and Apparel Sector - Chemicals

- 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

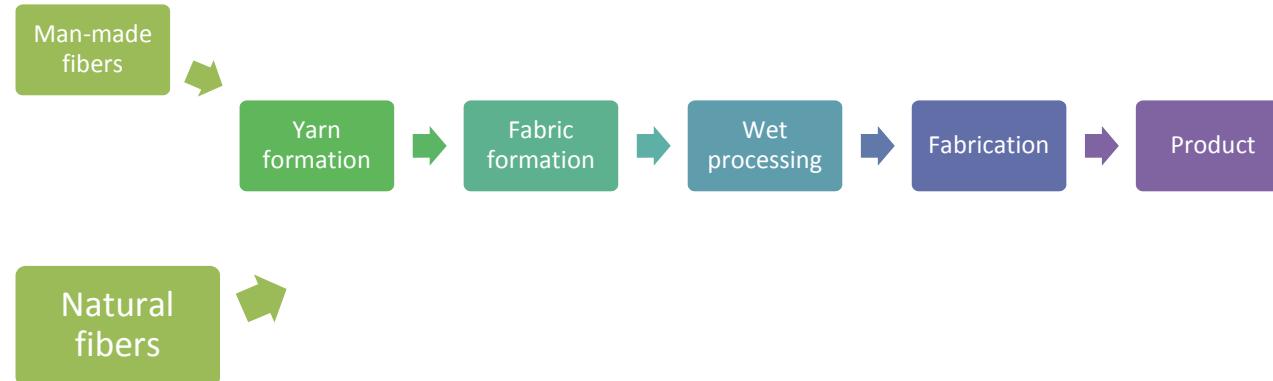


China is the largest consumer of textile chemicals, with 42 per cent of global consumption

Source: CEFIC, AT Kearney (2012)

Growing Complexity of the Supply Chain

1 The process

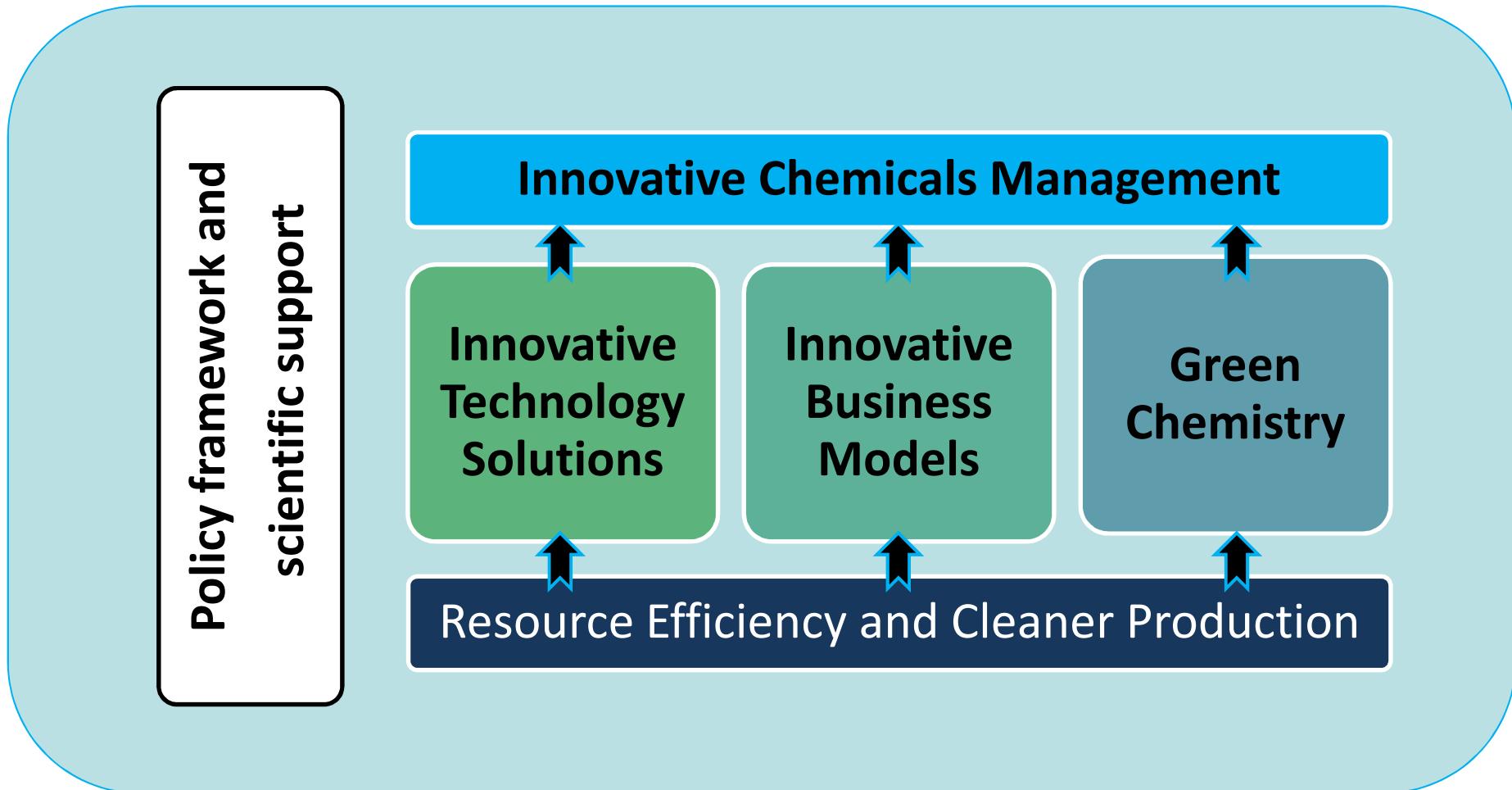


2 Stakeholders





UNIDO's Approach





Chemical Leasing

Sustainable Chemicals Service Solutions

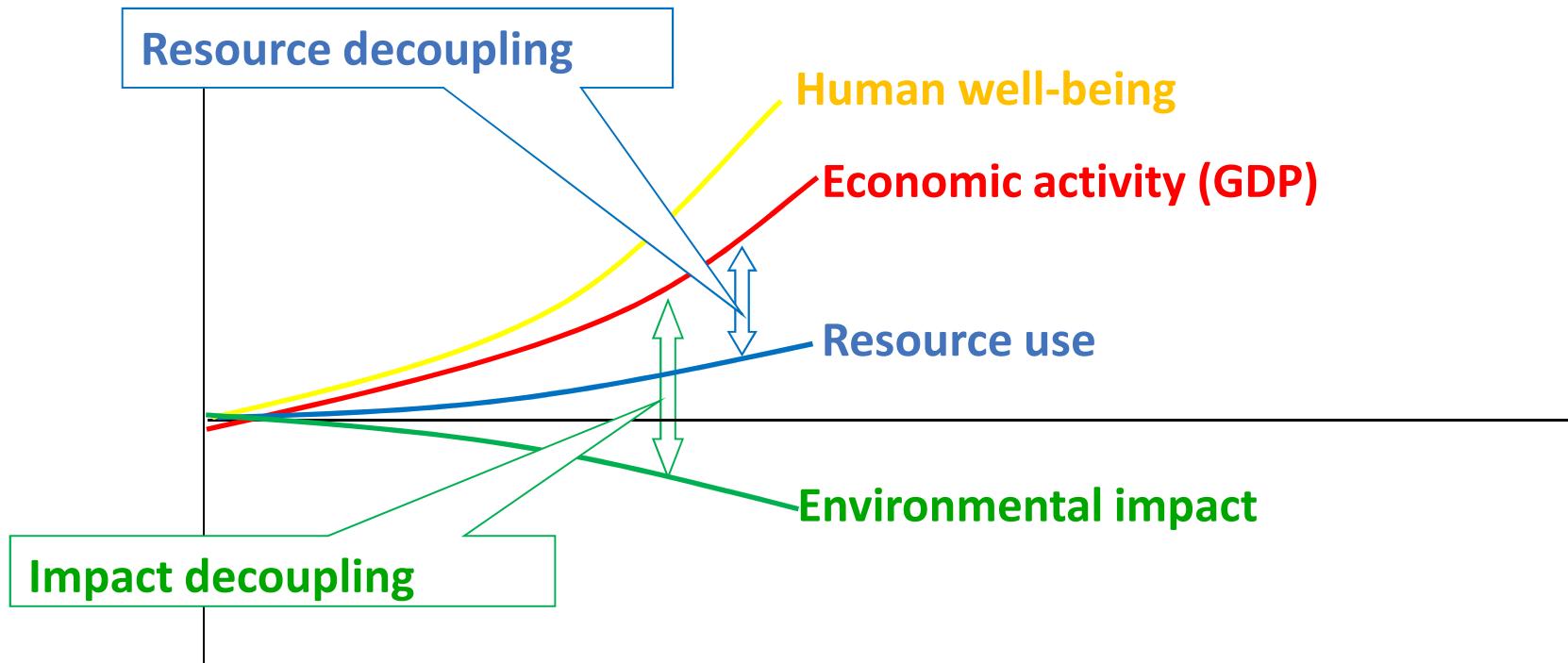


- Shifts the focus from increasing sales volume towards a value-added and functional based approach
- UNIDO Global Chemical Leasing Programme initiated in 2004
- Capacity Building and Demonstrations
- International multi-stakeholder working group
- Global Award



Business model & policy instrument for sustainable chemistry

The Way Forward





UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

THANK YOU!

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