



# Potentials for Circularity of Industrial Textile Waste

Kristin Sommer, Coordinator, GIZ FABRIC

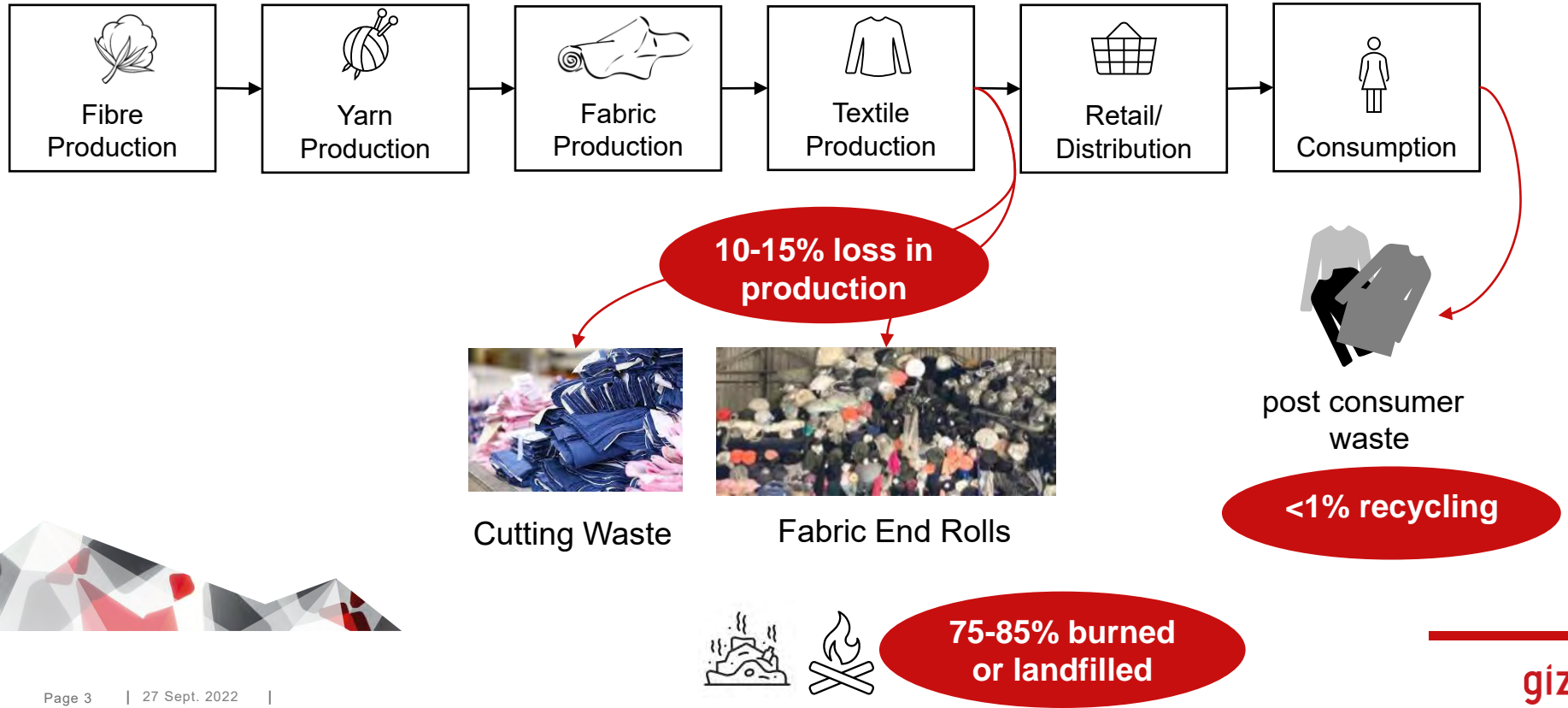
# Growing Textile Waste Problem



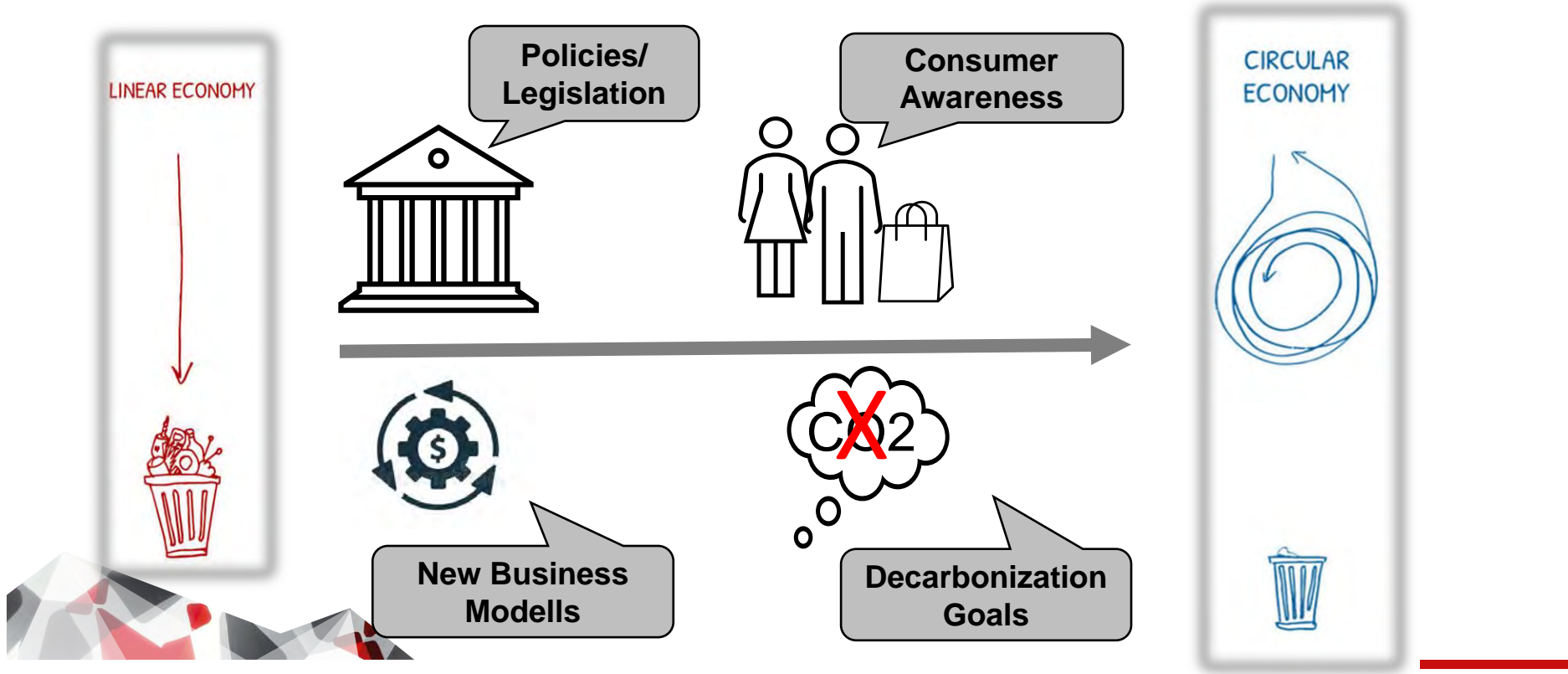
Production: doubled  
Times Worn: 36% less

Lost Value  
\$560 Billion

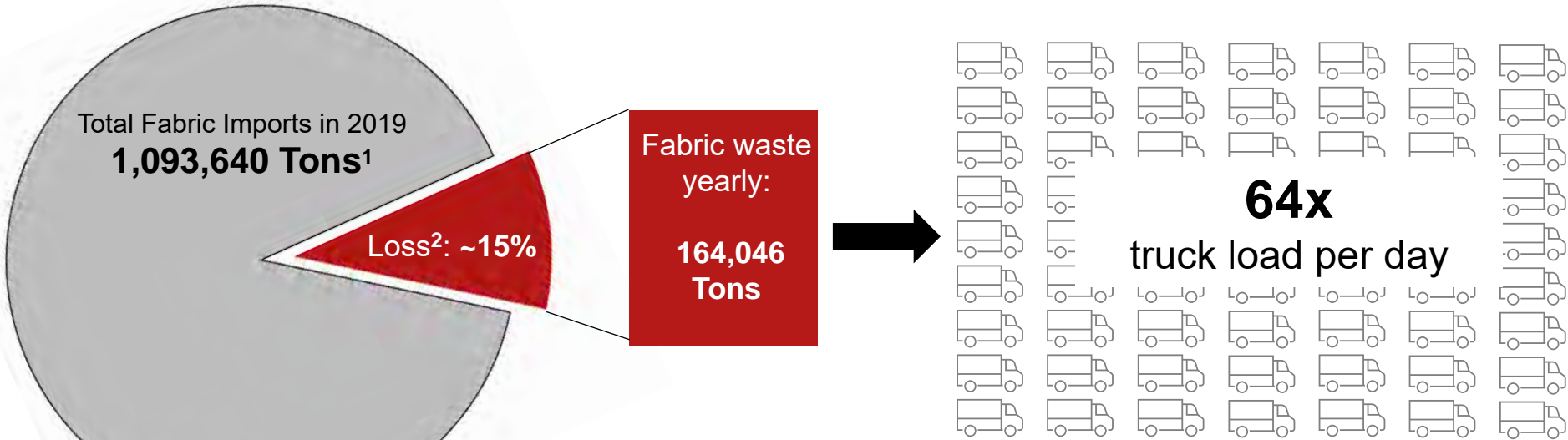
# Post-Industrial vs. Post-Consumer Textile Waste



# Drivers towards Circular Economy & Recycled Fibres



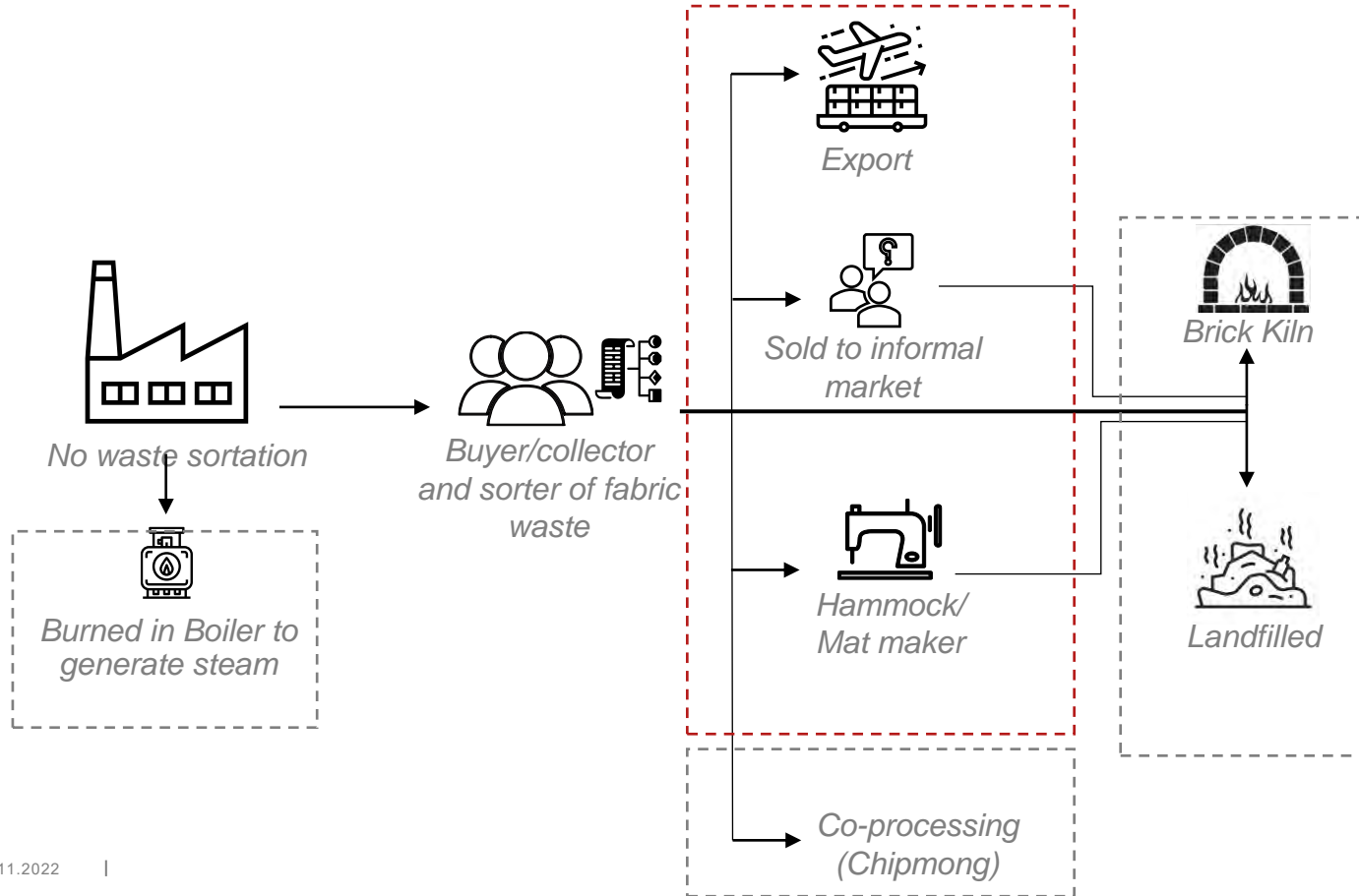
# Snapshot: Textile Waste in Cambodia



(1) [UN Comtrade Database: Fabric Imports 2019](#)

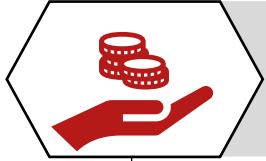
(2) average

# Waste Stream Mapping Cambodia



**60% at landfill**

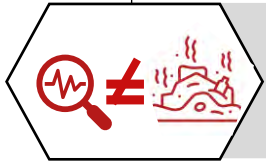
# Key Findings



Improve **regulatory framework** to monitor and control fabric waste disposal and incentivise circular approaches, i.e. no negative tax implications, more transparent waste selling market



Establish better **sorting / pre-processing / recycling infrastructure/ technology** in-country; connect **feedstock** with recyclers outside the country



**Improve** (digital) **data** management of waste streams, quantity and composition to strengthen functional circular supply chains and **estimate recycling potential**

# Textile Waste Stream Studies

## Thank You!

**Kristin Sommer**

GIZ FABRIC Asia |  
Coordinator Environment

[kristin.sommer@giz.de](mailto:kristin.sommer@giz.de)

T +855 92354604

### Cambodia



[waste-streams-mapping\\_cambodia-1.pdf](#)  
[\(asiagarmenthub.net\)](#)

### Vietnam



[waste-streams-mapping\\_cambodia-1.pdf](#)  
[\(asiagarmenthub.net\)](#)



[www.giz.de](http://www.giz.de)



[https://twitter.com/giz\\_gmbh](https://twitter.com/giz_gmbh)



<https://www.linkedin.com/company/gizgmbh>