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# Sustainable Raw Materials Management: The perspective of the Metals Industry

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# Without non-ferrous metals ... ... no modern life!

## Without non-ferrous metals...

...no electric car runs.

...no mobile phone rings.

...no building functions.

...no airplane flies.

...no solar cell operates.

... no wind generator moves.



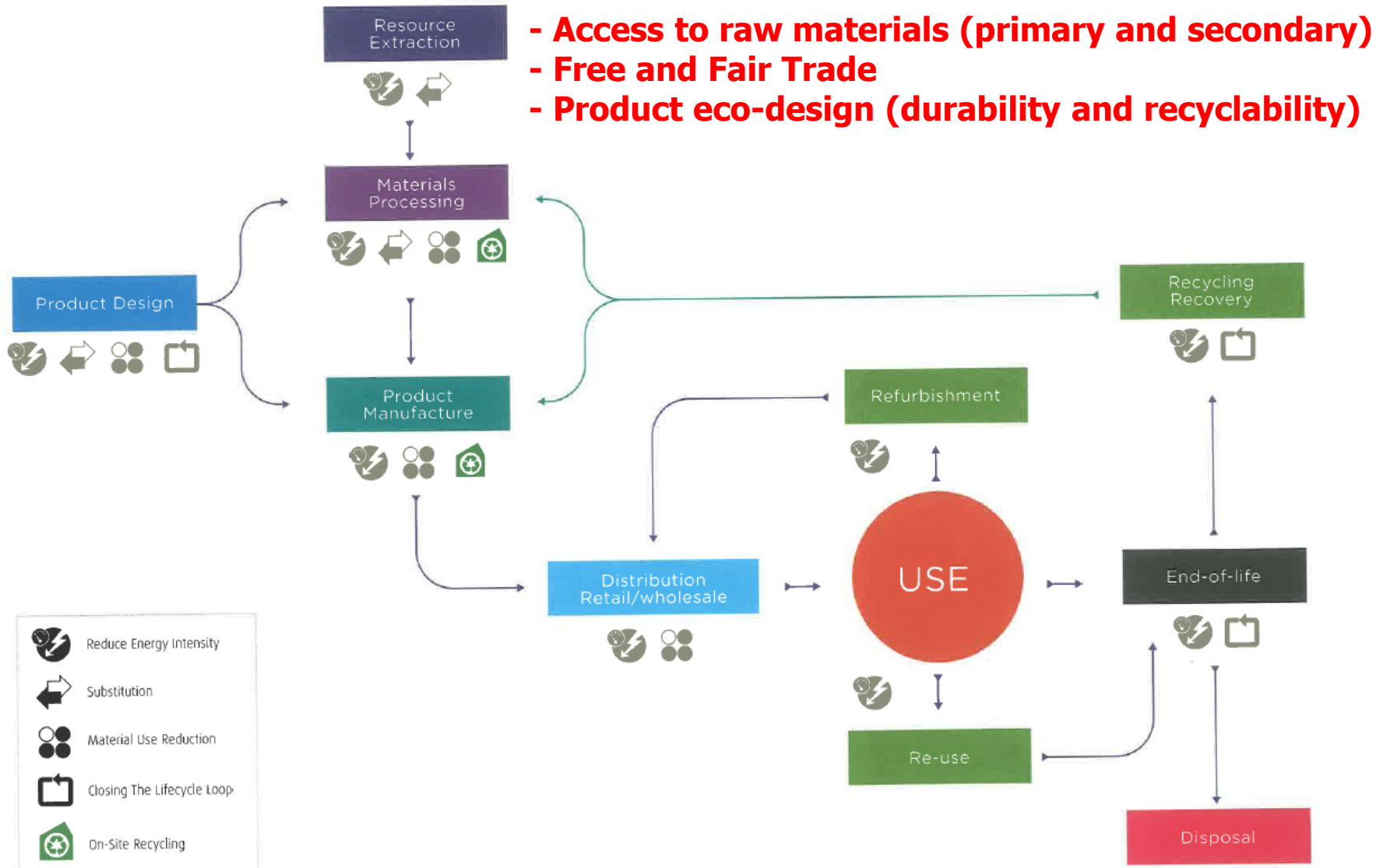
# Raw Materials: a Vital Asset

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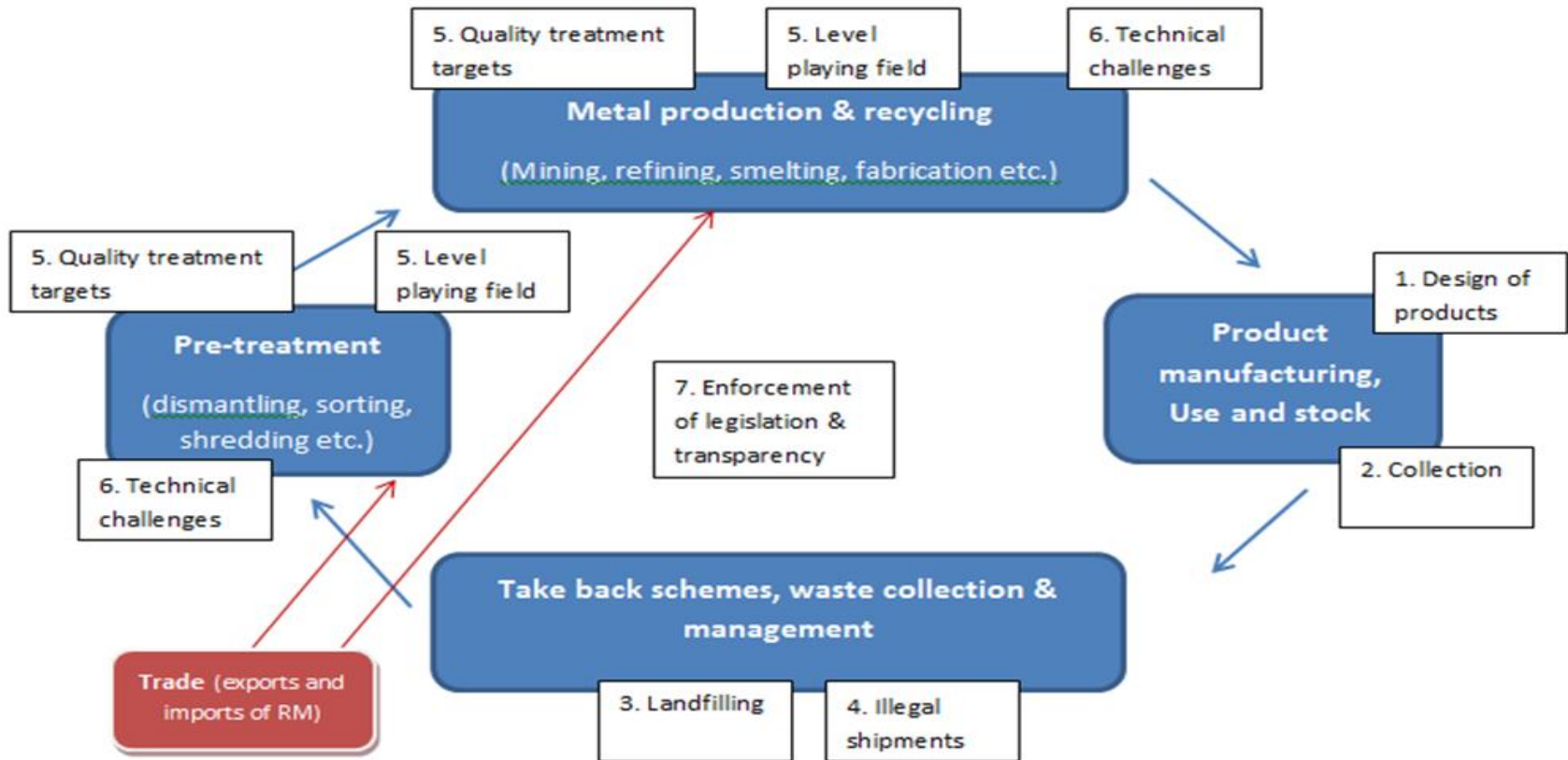
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- Metals are key to build a sustainable society
  - ✓ Durability, Recyclability
  - ✓ Growth, Jobs, Well-being
- They are enabling materials and a real asset if they are recycled
- Optimize that asset delivery along the value chain and over entire life time
  - ✓ Quantity AND Quality

# Need to involve and optimize the whole value chain ...



# How to optimize?



- **Involve all actors along the value chain (product of upstream is the raw material of downstream)!**
- **Transparency and Knowledge along the value chain**
- **Innovation partnership**