



International Symposium on the Role of MSMEs in the achievement of the Sustainable Development Goals (SDGs), 7-8 June 2018, New York

# Greening MSMEs towards SDGs: Science, Technology, and Innovation

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# **MSMEs in the Supply Chain towards SDGs**





# **One E-waste One World**

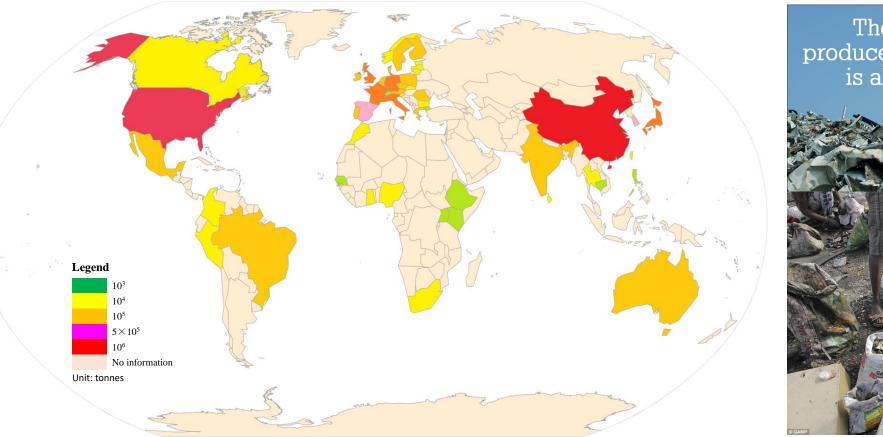
 E-waste is a term used to cover items of all types of electrical and electronic equipment and its parts that have been discarded by the owner as waste without the intention of reuse.







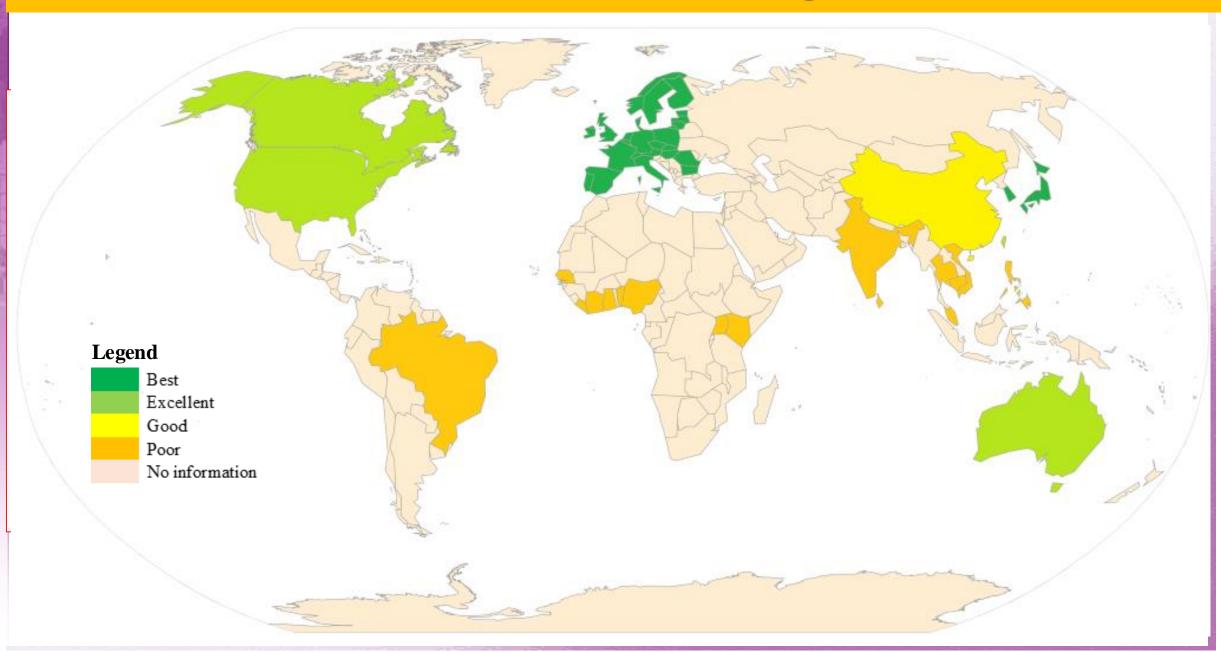
#### Why for E-waste to Green MSMEs?



The amount of E-waste produced each year in the world is about **50 million tons**.



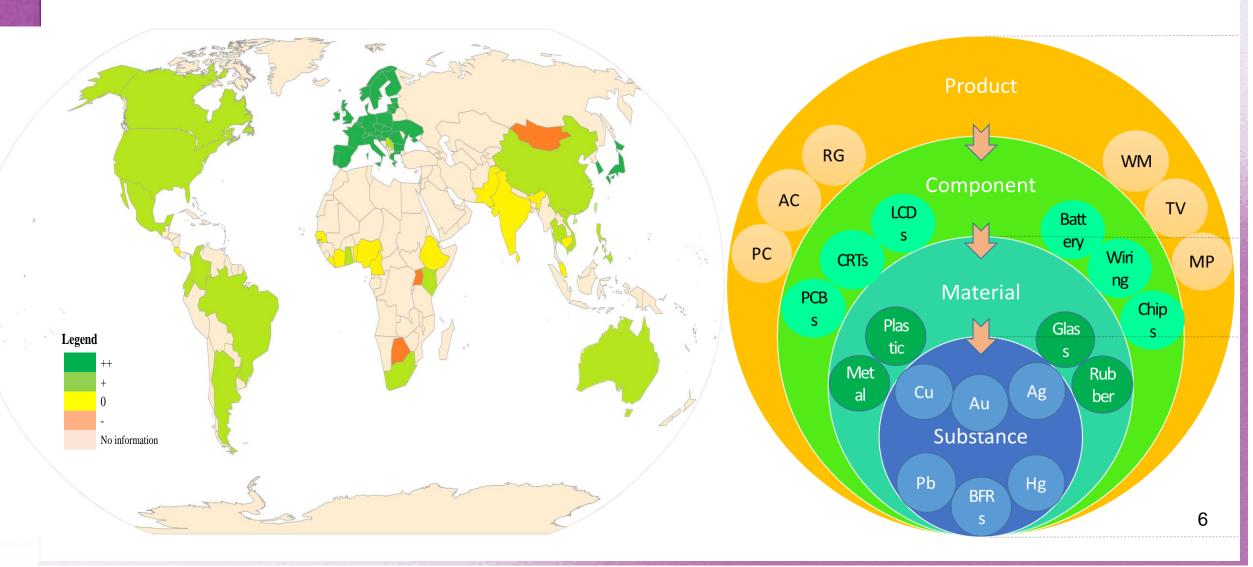
# **Achievements in Greening MSMEs**







#### **Analysis: Scientific Innovation for E-waste Regulation**







# **Analysis: Sci. & Tech. innovation to Green MSMEs**

Product updating

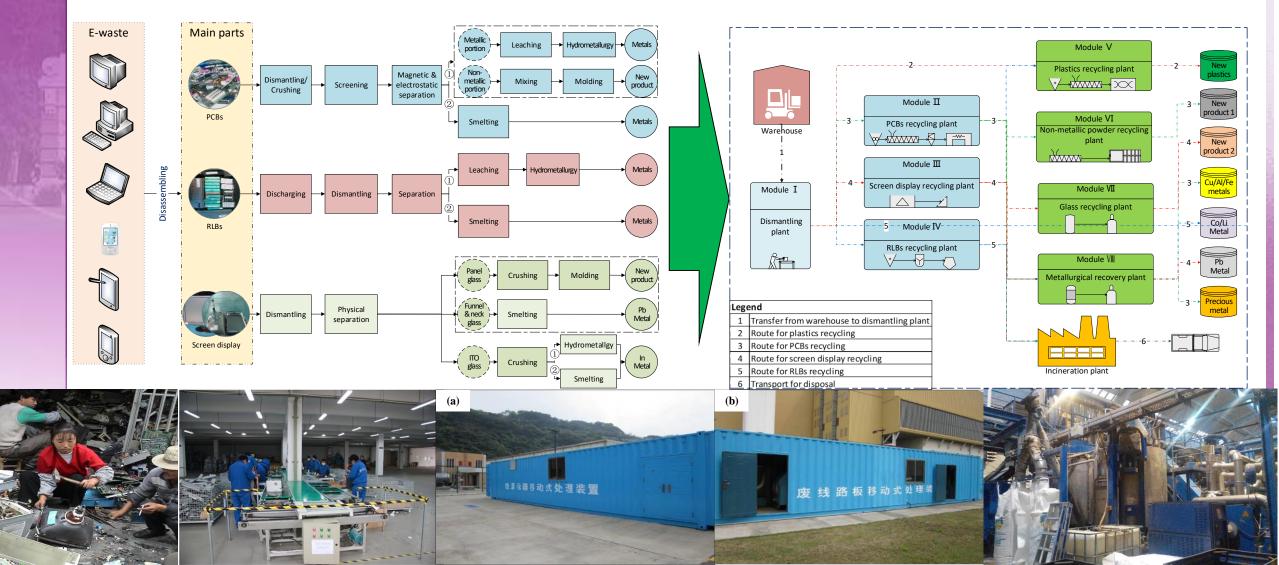
#### Material substitution

# Pb-Sn solder Lead-free solder Carbon





# **Analysis:** Technical Evolution for E-waste Recycling







### **Summary: Solution to the E-waste Problem**

