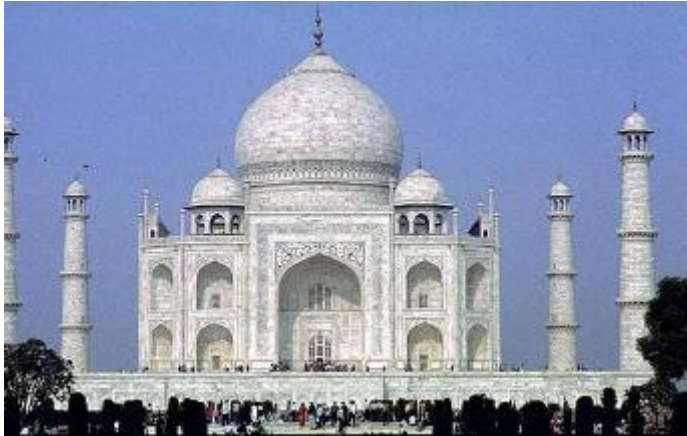




SUSTAINABLE  
RECYCLING  
INDUSTRIES



# E-waste in India: Current status, challenges and SRI activities

**Sustainable Recycling Industries Workshop**

World Resources Forum, October 12, 2015, Davos

**Sabyasachi Sengupta, Confederation of Indian Industry (CII)**



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Economic Affairs FDEA  
State Secretariat for Economic Affairs SECO



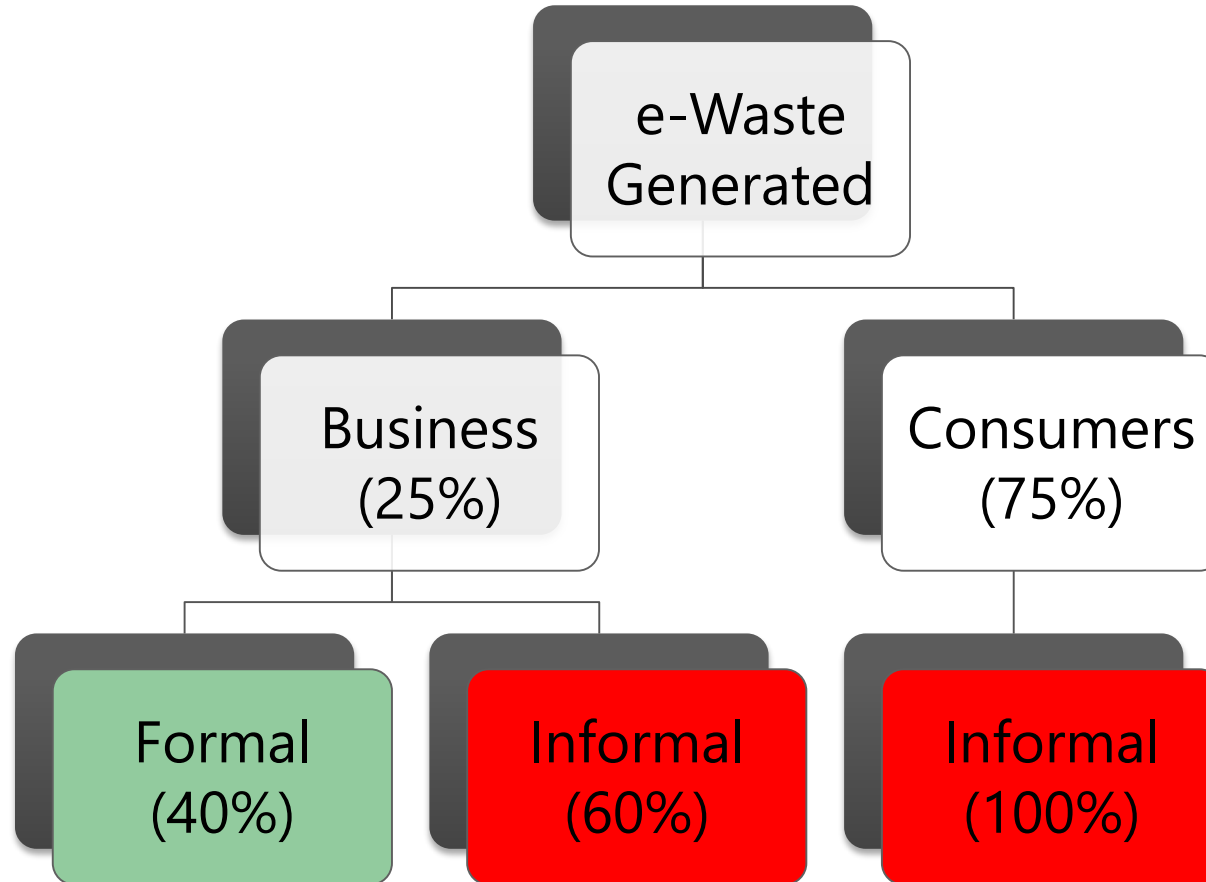
Materials Science & Technology



# Current Status: Legislation

- ❑ e-waste (Management & handling) Rule, 2011
  - Currently under revision
- ❑ Key Focus areas;
  - Specific responsibilities to producers / more focus on EPR and its implementation
  - Producer Responsibility Organization
  - Deposit Refund Scheme
  - Consumers' responsibility for proper channelizing of e-waste
    - Individual as well as bulk consumer
- ❑ Import & export of e-waste is regulated by Hazardous waste (management, handling & transboundary) movement rule 2008 (*currently under revision*)
  - Basel convention (*for control of transboundary movement*)
  - The Rotterdam convention (*for prior information consent*)

# E-waste handling : Informal & Formal Sector



**Broadly, 85% : Informal Sector; 15% : Formal Sector**

# Challenges in e-waste management

- Availability of e-waste to the formal sector – strong competition from informal recycler
- Recycling in informal sector
  - Crude and primitive method
  - Concerns : Environment, Health and Safety , Social
- EPR – lack of implementation
- Reverse logistic- difficult to handle
- Non-availability of precious metal recovery facilities
- Limited awareness amongst people (*mostly domestic consumer level*) on disposal requirements

# SRI India Program- Key Focus Areas

- Establish pilot take-back channels to remove hazardous additives from the recycling chain
- Establish technical standards and monitoring rules
- Use existing and introduce suitable new technologies through technology partnerships and training programmes.



# Possible System to address e-waste (*and associated hazardous substances*) in society

