

PV CYCLE

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# Powering Sustainability

Pathways for Solar Waste Management in India

Context setting

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# Extended Producer Responsibility

## What is EPR ?

- **EPR is an environmental policy approach in which a producer's responsibility, physical and/or financial, for a product is extended to the post-consumer stage of a product's life cycle.**

There are **two** related features of EPR policy:

- **(1) the shifting of responsibility (physically and/or economically; fully or partially) upstream to to the producer, and**
- **(2) to provide incentives to producers to incorporate environmental considerations in the design of their products. (\*)**

- **Examples in India**

- Plastic Packaging Rules
- E-Waste Rules
- Battery Waste Rules
- Tyre Waste Rules

- ***Examples in Europe***

- Packaging Waste Directive
- WEEE (e-waste) Directive
- Battery Regulation
- End-of-Life Vehicles Directive

(\*) OECD

# Stakeholders involved in EPR Compliance



A variety of stakeholders...achieving a number of SDG's

PRODUCERS

IMPORTERS

BRAND OWNERS





# Lessons learned

## After 15 Years of Experience

- OVERCOME DIFFERENCES BY FOCUSING ON **THE COMMON CHALLENGE** – FINDING A **SOLUTION FOR THE END-OF-LIFE PHASE of PV PANELS and INVERTERS**

The BRAND of a PV PANEL or INVERTER **mean NOTHING** at the **RECYCLING YARD !**

- DO **NOT** CONSIDER **EPR** AS AN ELEMENT OF **COMPETITION**
- **YOU ARE NOT ALONE** – ELECTRONICS, BATTERIES, PACKAGING, TYRES, .....
- **BALANCE ECOLOGY vs ECONOMICS**
- Our INDUSTRY must **DEFINE the BOUNDARIES** and the **FRAMEWORK** regarding the **FINANCING of the MODEL**





# RECOMMENDATIONS



## After 10 Years under EPR in Europe

- **Take into account.... COOKING COST MONEY**
- **COMBINE EFFORTS**
- **Producer Responsibility means also POLLUTER PAYS**
- **START WITH A LIMITED NUMBER OF (LEADING) COMPANIES for the set-up**
- **Involve as well one or more medium-sized companies , companies from each part of the value chain**
- **PV CYCLE already INVENTED the WHEEL for the PHOTOVOLTAIC INDUSTRY..... and thus, USE EXISTING EXPERIENCE IN PV PANEL and INVERTER TAKE BACK, TREATMENT and FINANCING**





**Thank you for your attention**

