





The Plattform Blei bundles, initiates and communicates information, background knowledge and concrete projects for the material lead.











German Initiative of the non-ferrous metals industry

**The German Lead-industry** 

IN 2023

412.000

TONS OF LEAD PROCESSED

OVER

3.500

EMPLOYEES IN GERMANY

MORE THAN

5.800

GERMAN SUPPLIERS



# Recycled Lead and its importance for Europe.

**e.** 

With technically advanced processes,

the lead industry makes it possible:

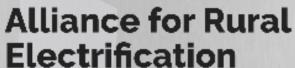
- The carbon footprint of recycling lead is approximately 50% of that needed to extract primary lead from ore
- In the EU, domestic production of refined lead meets >90% of demand with 87% from recycled products
- · Increasingly demanding sustainability laws and regulations can be met.

























#### Financed by:





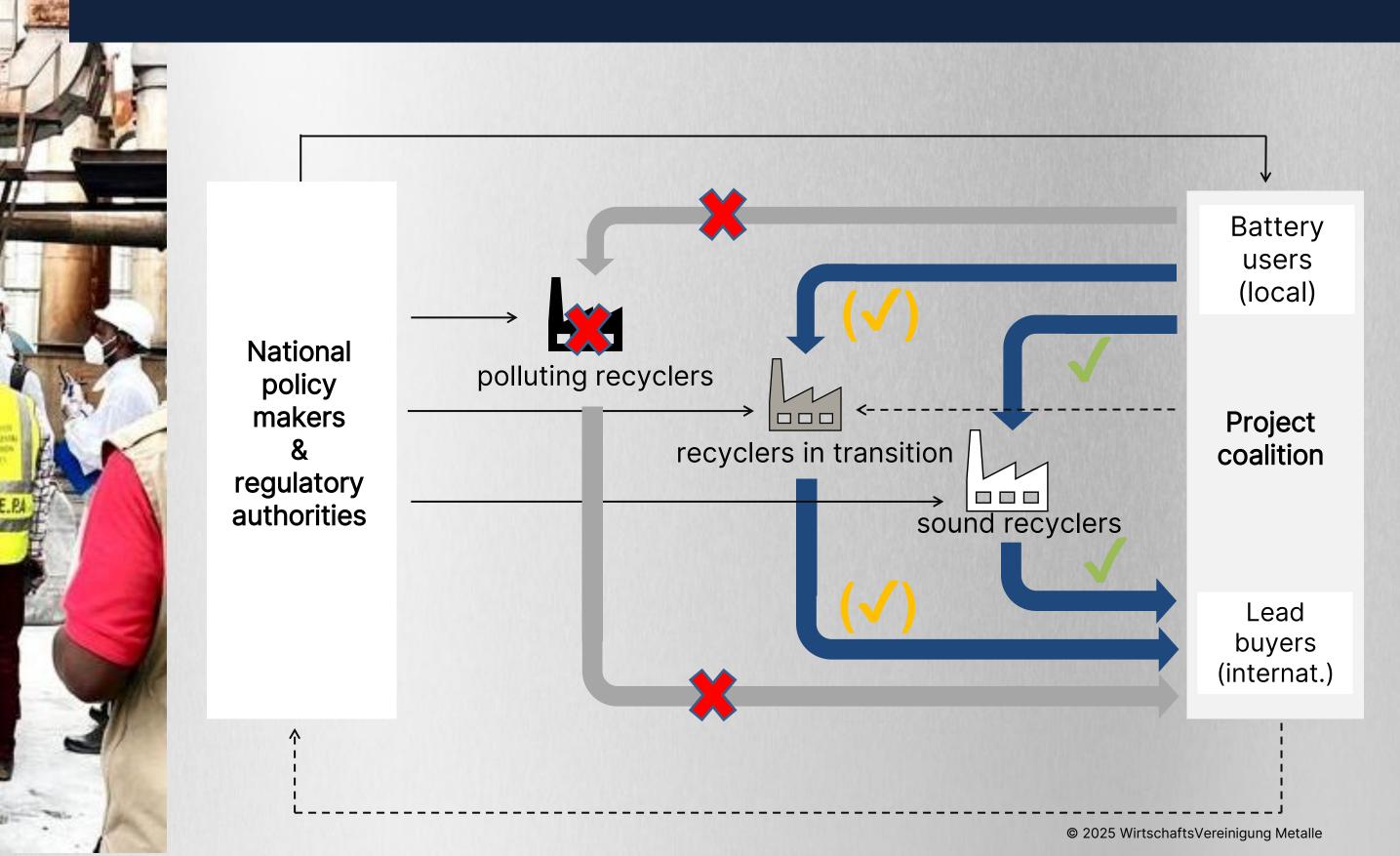
## Stakeholders: Together for one aim.

#### **PROJECT MEMBERS:**

- Öko-Institut (German NGO)
- Plattform Blei (Platform Lead, Initiative of German Non-Ferrous Metals Industry)
- SRADev Nigeria (Nigerian NGO)
- Alliance for Rural Electrification Solar industry
- Nigerian Ministry of Environment
- NESREA (National Environmental Standards and Regulations Enforcement Agency)
- OGEPA (Nigeria, Ogun State EPA)
- LASEPA (Nigeria, Lagos State EPA)
- Nigerian Civil Society incl. regional leaders
- Supported by: ILA, EUROBAT, BCI
- Financed by: German Ministry of Cooperation and Development



© Photo: ProBaMet Project



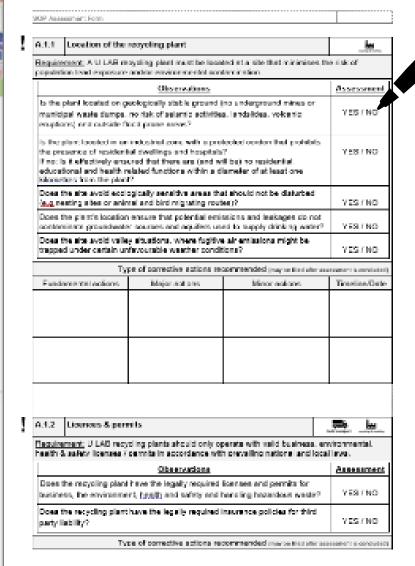
## Practical Implementation: 1. SOPs for a basic audit in LMICs





Standard Operating Procedures for Environmentally Sound Management of Used Lead-acid Batteries

December 2021



# Revision of SRI Standard Operating Procedures for Low- and Middle-Income Countries:

- Including learning from former audits
- More focussed on realistic situation on the ground
- Easy to use no need to be a specialist
- Including pictures with examples: unacceptable / in transition / standard
- Recommendation for improvement plan included

(Updated SOPs available upon request)

### Practical implementation: 2. Assessment Training – Theory

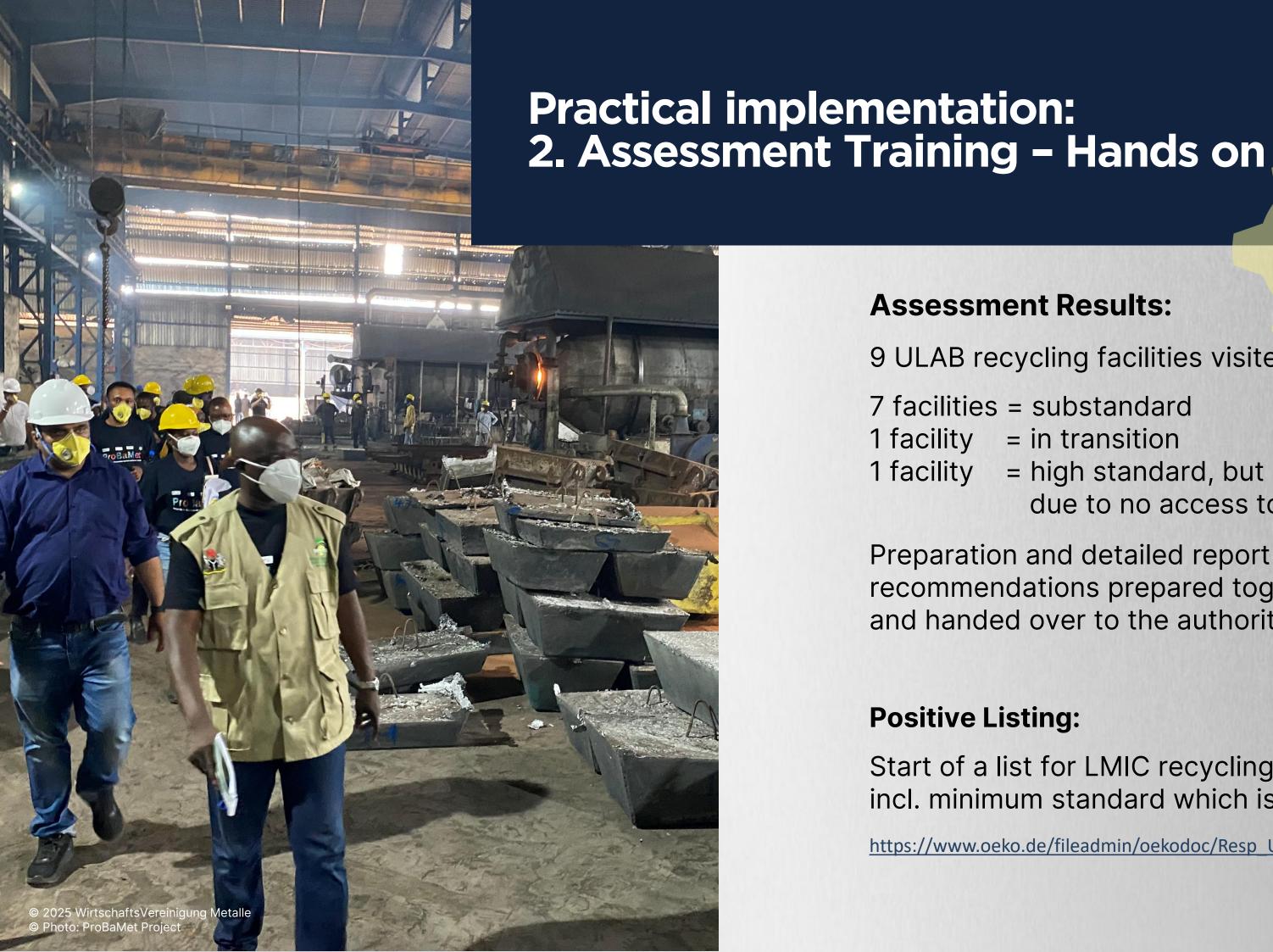
### Classroom Training covering:

- General technical background of ULAB recycling
- Use of SOPs
- Methods of plant assessment
- Documentation of results

#### **Participants:**

- Regulators
- ULAB recycling industry
- Local Associations





#### **Assessment Results:**

9 ULAB recycling facilities visited:

7 facilities = substandard

1 facility = in transition

1 facility = high standard, but closing,

due to no access to ULABs

Preparation and detailed report including recommendations prepared together with stakeholders and handed over to the authorities.

#### **Positive Listing:**

Start of a list for LMIC recycling facilities in transition incl. minimum standard which is needed to be listed.

https://www.oeko.de/fileadmin/oekodoc/Resp ULAB-recyclers Nigeria.pdf

# Where is the ULAB recycling sector in Nigeria standing now?

5

High awareness from stakeholders, incl. civil society

Compliance monitoring & corrective action plans

Alliance for Responsible Battery Recycling - ARBR

National Environmental (Battery Control) Regulations

National Policy on Waste Battery Management

No court case against polluters so far

Low standard operations can sell their outputs to the (world) market without barriers

Low standard recyclers get enough battery volumes

Low standard recycling still possible without risking business threatening sanctions

## Recommendations to the stakeholders.

#### **RECYCLING INDUSTRY:**

- Take environment, health and safety seriously: Civil society and regulators will continuously focus on the topic of unsound lead recycling.
- Cooperate with stakeholders: Transparency helps.

#### **BUYING AND TRADING INDUSTRY:**

- Conduct environmental, health & safety risk assessments: when sourcing from low- and middle-income countries.
- Actively engage: with lead supplying industries from low- and middle-income countries.

#### **LARGE USERS of BATTERIES:**

- Acknowledge the responsibility for sound end-of-life management: Partner with best-in-class recyclers.

## Recommendations to the stakeholders.

#### **POLICY MAKERS:**

- Prioritization of the ULAB recycling sector: Enforcement is key.
- Establish a nationwide radar for ULAB companies: Know the market.
- Strategic focus: Limited number of high-quality / high-standard recycling plants.
- Repeat: Regular plant assessments and plans for ambitious and continuous improvements.
- Systematic blood lead monitoring: Global level playing field.
- Promotion of best recyclers: No tolerance policy for polluting recyclers.

https://www.giz.de/en/downloads/giz2025-en-ProBaMet.pdf



### Keep going - The Pan-African approach: Ghana, Tanzania, Kenya, Cameroon, Nigeria





