

E-waste Management Forum “Green Business Opportunities”

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WEEE in product fractions

- EEE use is increasing worldwide. Thus WEEE production is increasing
- WEEE needs solution to regain valuable material / treat certain components
- Specials about the category “Mobile phones”

What is e-waste?

1. Large household appliances



2. Small household appliances



3. IT & Telecoms equipment



6. Electrical & electronic tools



7. Toys



8. Medical equipment systems



10. Automatic dispensers



9. Monitoring & control equipment



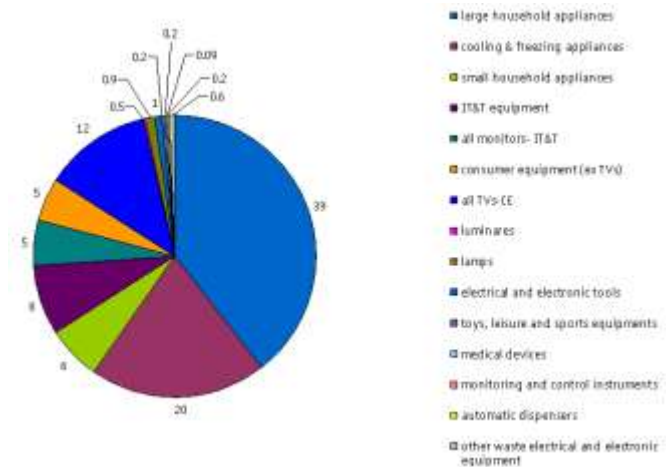
4. Consumer equipment



5. Lighting equipment



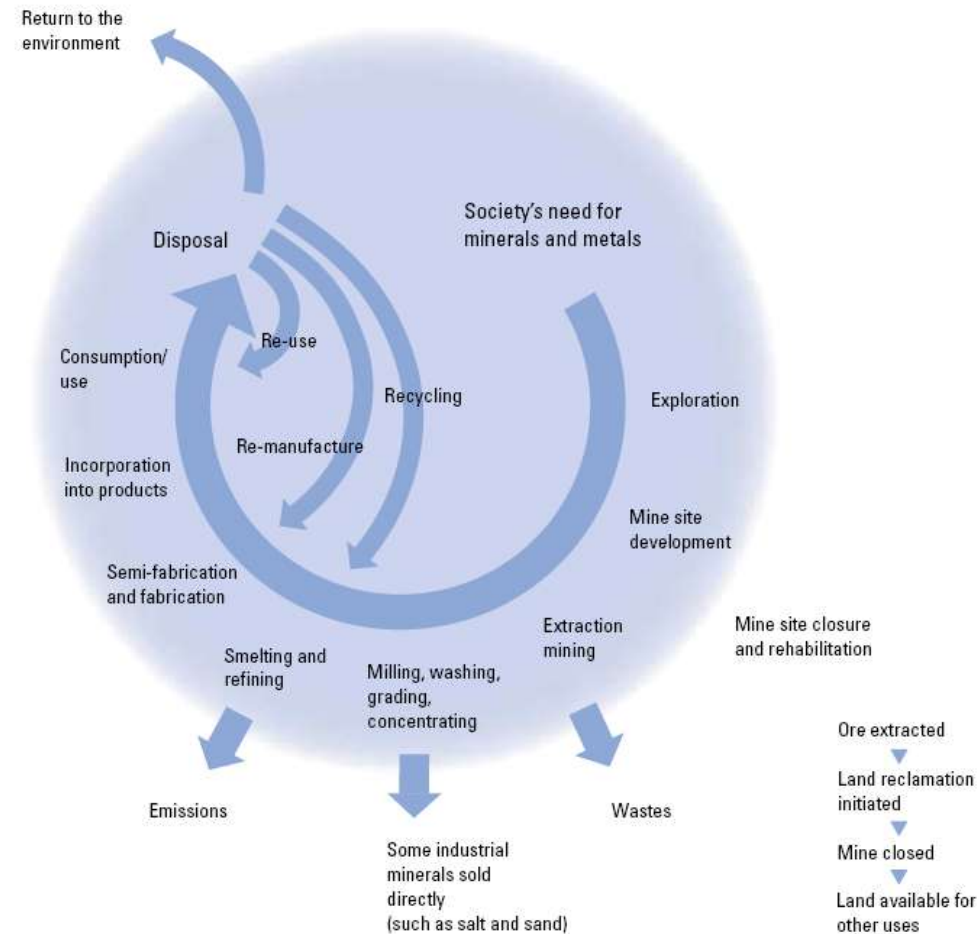
Mobile phones as part of IT & T (8%)



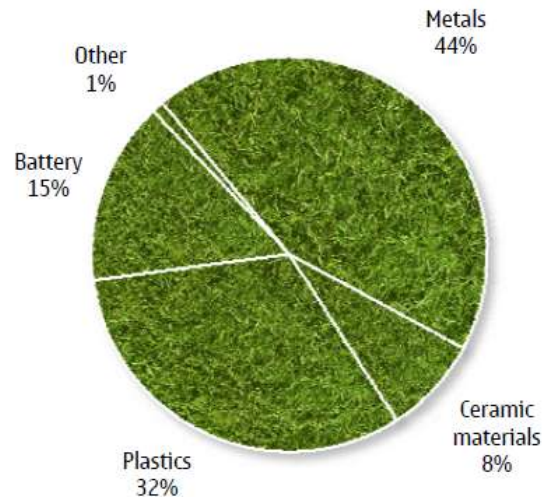
Adapted from WEEE Forum 2008

Recycling makes sense

- Use of recycled metals saves 60-90 % of energy, emissions and waste - compared to the use of virgin metals in production
- Land-filling of electronics is a waste



C6-01 Eco lead device



www.nokia.com/ecoprofile

- Some key metals will last less than 40 years if no recycling takes place
- Energy consumption of recycling is smaller than of mining for new materials

Nokia's Life-cycle Philosophy

Environmental performance at Nokia leads to unified standards implemented globally





Nokia Take-back and Recycling

Permanent “backbone” recycling structure

- Capability at front & back end Nokia Care Points and Nokia Retail
- Information material
- Logistics management
- Additional collaboration with partners

Campaigns and events

- Awareness raising with GOs, NGOs and media
- Activation over certain time and sometimes with incentives

Partnering for recycling

How Nokia's take back and recycling works in detail

Nokia has a Global take-back infrastructure for consumers:

Largest worldwide recycling scheme for mobile phones.

Take-back points in 85 countries and 5000 locations:

www.nokia.com/werecycle

Find your nearest recycling point from here



Take back

Devices, accessories, chargers and batteries

All brands accepted!



Information



Training

for consumer information on recycling and data security



What happens to phones after collection?

Nokia Approved Recyclers

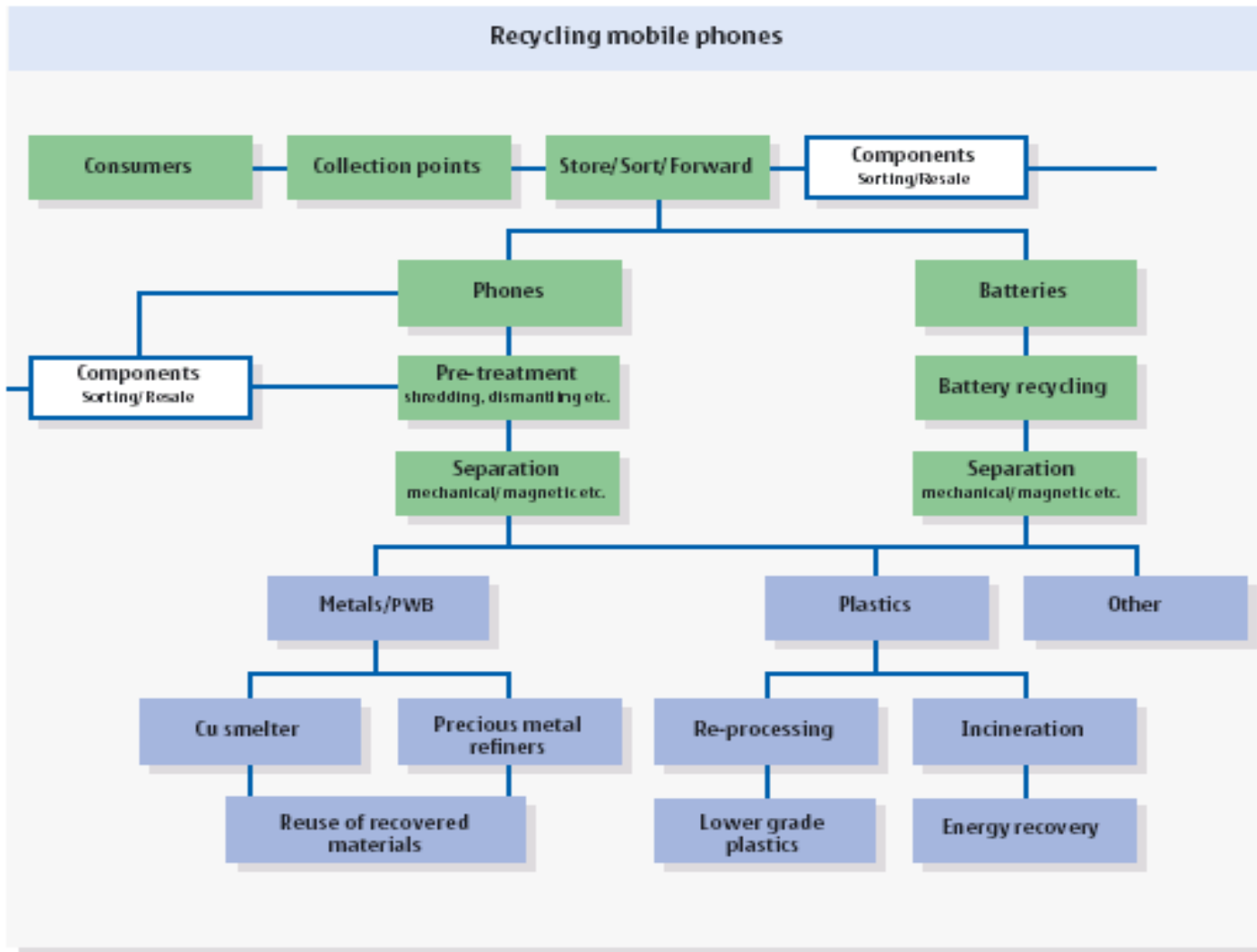
Nokia co-operates with companies specialized in recycling which comply with Nokia Recycler Requirements

Logistics Pretreatment



Material recycling

Mobile Phone Recycling Process / Recycling Partners



Examples of Awareness Raising and Campaigns



Requirements for sustainable WEEE management MEA

E-waste chain



Take-back channels



Adopting our approach to MEA

We develop our take back procedures and adapt them to MEA
For us it is a matter of responsibility.

- **Education**
- **Innovations for developing markets**
- **We incorporate learning and value pilots**



Enabling via Green ICT



A vibrant display of fresh produce, including onions, red chilies, and garlic, hanging from a wooden structure. The onions are arranged in large, dense clusters, and the red chilies are strung together in long, vertical garlands. The background is filled with more produce, including green leaves and brown roots, creating a rich, textured scene.

Thank you!

www.nokia.com/werecycle