

# NAKAMURA LAB.

## [-Establishment of Sustainable Society from Coupling Technology and Social system-]

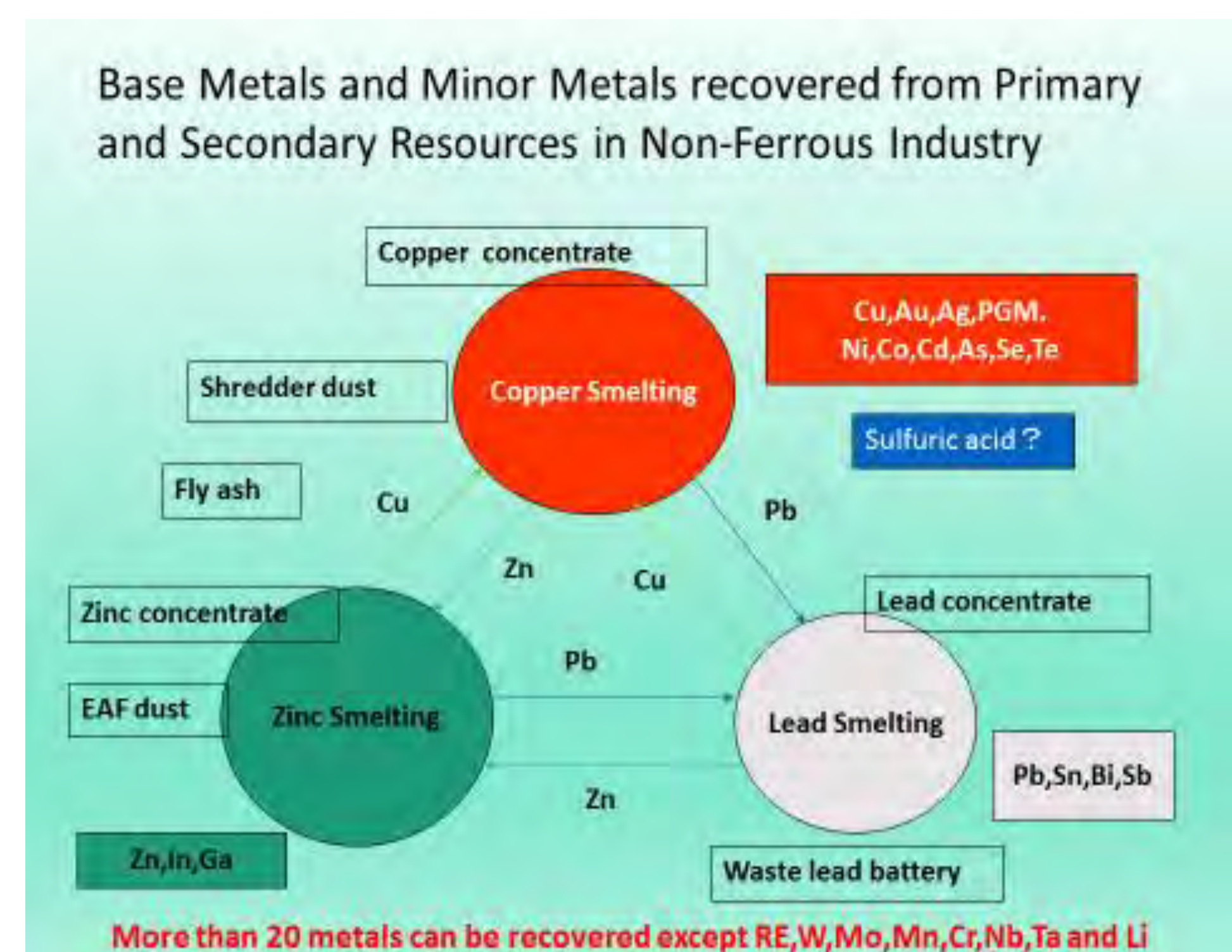
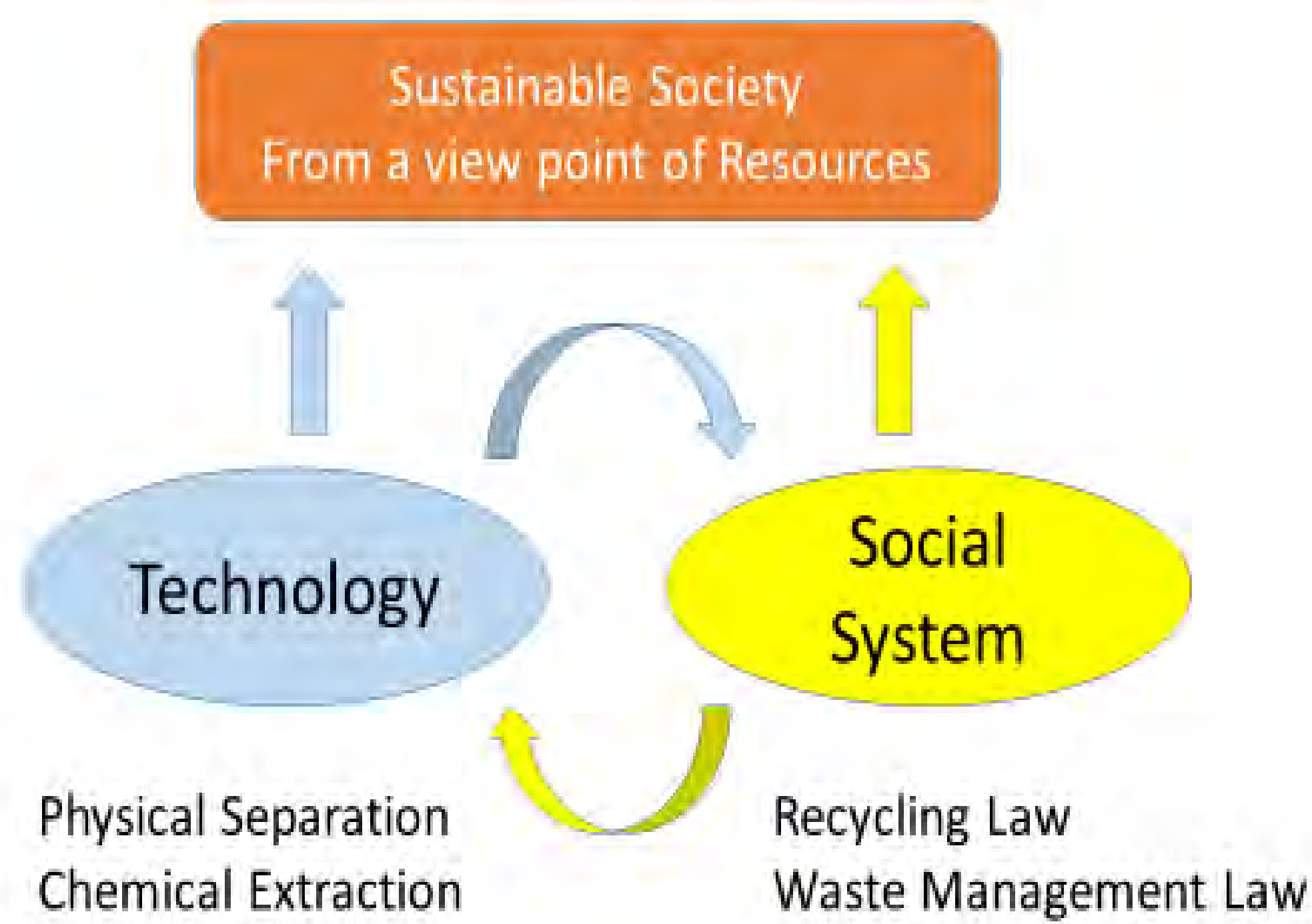
Endowed Research Unit for Non-ferrous Metal Resource Recovery Engineering  
(JX Metals Endowed Unit)

Metallurgy and Recycling System for Metal Resource Circulation

<http://www.metals-recycling.iis.u-tokyo.ac.jp/takashinakamura.html>

## Coupling Technology and social system for Sustainable Society Goals

### Concept of Coupling Technology and Social system



**Target:** to develop the process technologies and social systems for metal recycling, waste detoxification and energy recovery based on the non-ferrous smelting industries

### Current Topics

- ✓ Thermal and hydro processing for metal recycling and waste treatment (Chemical Thermodynamics)
- ✓ Waste treatments and energy recovery based on the non-ferrous metal smelting
- ✓ Novel recycling system based on harmonizing whole supply chains
- ✓ Out reach activity of non-ferrous industry to young people

Casting Metal Kingdom in Seirenn-jya Story

### Ancient 7 metals



Seirenn-jya is a never Ending story of Non-Ferrous Industry which can appeal its activity for young people