Coupling Technology and social system for Sustainable Society Goals

**Concept of Coupling Technology and Social system**

- Sustainable Society from a view point of Resources
  - Technology
    - Physical Separation
    - Chemical Extraction
  - Social System
    - Recycling Law
    - Waste Management Law

**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
- ✔ Outreach 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