

# MINISTRY OF ENVIRONMENT AND FORESTRY AGENCY OF RESEARCH, DEVELOPMENT AND INOVATION RESEARCH AND DEVELOPMENTAL CENTER OF ENVIRONMENTAL QUALITY AND LABORATORY (P3KLL)



INDONESIA – JAPAN ENVIRONMENTAL WEEK
15 JANUARY 2021

### **CONTENTS**



#### **MERCURY LABORATORY**





Lab Analyst (8 person)

- Sample collection
- Sample preparation
- Sample analysis



Environmental Analyst

(14 person)

- Environmental monitoring
- Environmental risk analysis
- Environmental case study

Researcher (11 person)

- Research design
- Research conduct
- Research publication



Why do we need mercury laboratory?

#### **MERCURY-RELATED PROJECTS**

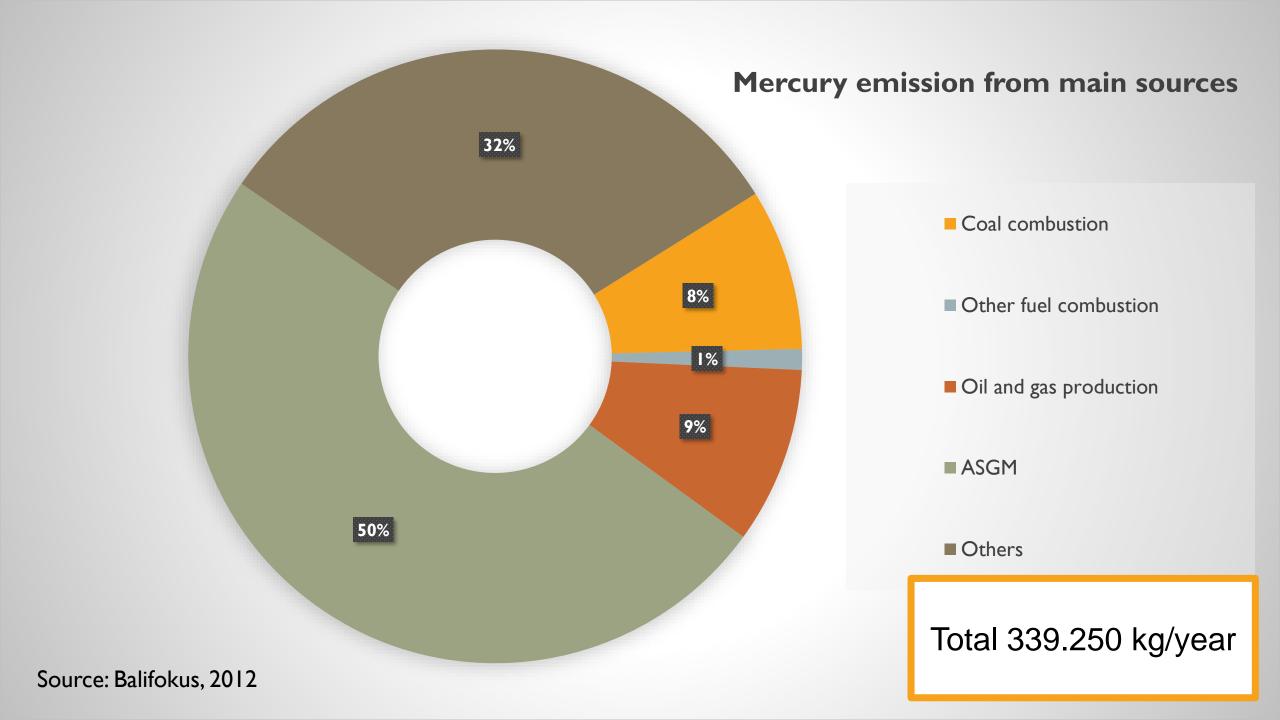
1994-1996 Heavy metal monitoring in sea water

1997-2014 Mercury monitoring in ASGM

Mercury in energy sector

Mercury exposure and socio-economic study of the ASGM

Mercury baseline estimation













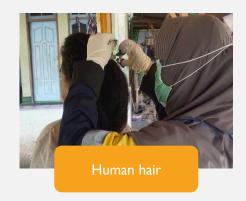


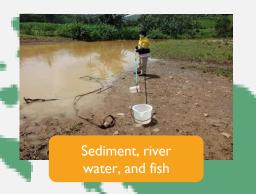














Sample collection for mercury baseline estimation













#### MERCURY WASTE TREATMENT

PP 101 2014

Hazardous and poisonous waste (B3) management

Permen LHK No. 63 2016

Criteria and procedure of B3 waste piling in landfill

Permen LHK No. 27 2020

Management of health devices containing mercury



B3 waste transportation, storage, and utilization

## Strategies for mercury waste treatment



- I. Coordinating with other stakeholders to compile data of mercury emission and waste;
- 2. Collaborating with others Ministries / Agencies to develop Indonesia's National Standar (SNI) methods related to mercury testing and waste treatment.
- 3. Cooperating with International Agencies for capacity building and knowledge/technology transfer in term of mercury waste treatment and mercury waste storage.

