



UNITED NATIONS
UNIVERSITY

UNU-FLORES

Institute for Integrated Management
of Material Fluxes and of Resources



TECHNISCHE
UNIVERSITÄT
DRESDEN

ADVANCING A **NEXUS APPROACH**
TO THE SUSTAINABLE MANAGEMENT
OF **WATER, SOIL AND WASTE**



INTERNATIONAL
KICK-OFF WORKSHOP

11-12 NOVEMBER 2013
DRESDEN, GERMANY



ADVANCING A **NEXUS APPROACH**
TO THE SUSTAINABLE MANAGEMENT
OF **WATER, SOIL AND WASTE**

Challenge of the sustainable water and waste management in Mongolia

ARIUNTUYA Dorjsuren
Ministry of Environment and Green
Development of Mongolia



- **CONTENT**
 - Water and its challenge
 - Waste issues in Mongolia
 - The actions taken by the Government
 - Conclusion



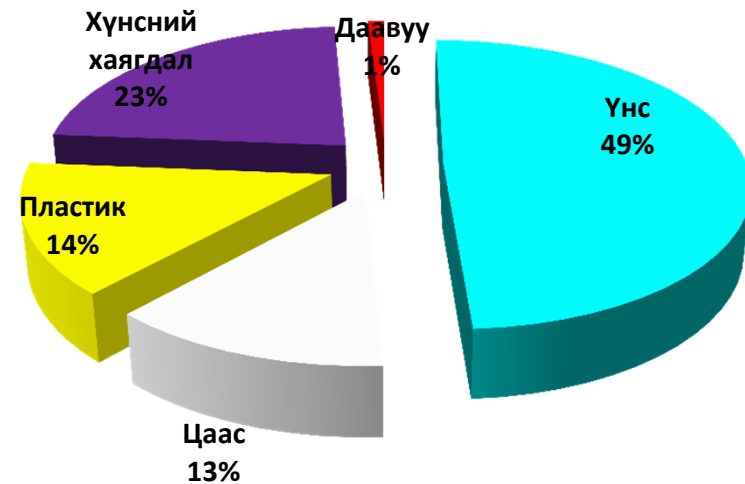
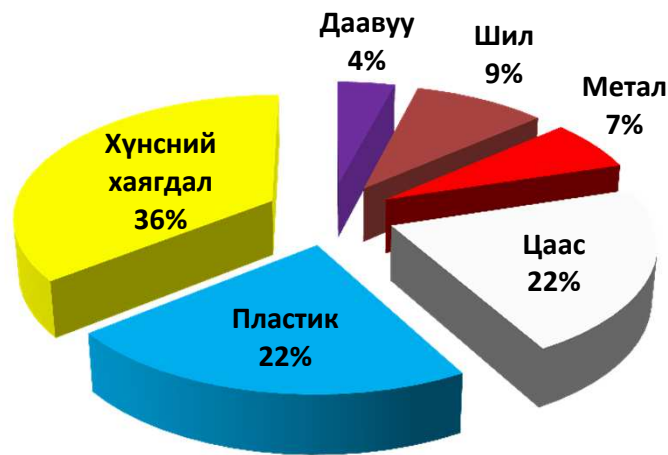
Water and its challenge

- Mongolia is a country:
 - Long tradition especially on water
 - Based on three main hydrological basins
 - Most of the rivers and lakes are upstream
 - Has the second largest freshwater resource
 - Less precipitation
 - Global warming and climate change impact is higher than global approx
 - Use groundwater resource than surface water



Waste issues in Mongolia

- Industrial
- Infrastructure
- Household
- Sanitation facility in ger areas
- Hazardous





- Sanitation and hygiene is becoming critical in capital cities due to the migration
- Air pollution in the city centers
- Improper consumption of hazardous/electronic products
- Less coordinated and inefficient approach to the waste
- Land degradation and overgrazing



The Government actions

- Package of Environmental laws approved and amended
- With support from donor organizations and countries, the management plans of related sectors have developed
- Policies based on Polluters pay and Protection by the Consumer principles
- The Ministry submitted its Green Development Strategy to Parliament of Mongolia



- Challenges we face
 - Improper use of natural resources and production
 - Poor management and coordination
 - Capacity and environmental, education
 - Public awareness
 - Technology
 - Mining



- Strengthen the enforcement of laws, regulations and standards
- Improvement of coordination among the public organizations
- Efficient cooperation with private sector and local communities
- Environmental education is needed at all level
- Technology and technique needs to be upgraded
- Human resources and capacity building
- Better implementation of Green Development strategy along with MDGs