A. Brief Introduction to Mongolian National University (MNU)

The Mongolian National University (MNU)* [http://mnu.edu.mn](http://mnu.edu.mn) was founded in 1998, is the largest non-government and not-for profit university in Mongolia. While has over 17 years of history, it is getting well known as one of most promising higher educational organization with an ambition to build a National Innovation and Technology center and it is working towards creation of Innovation based Entrepreneur educational and research environment.

The MNU academic team holds the higher academic qualifications and higher reputation among other universities and educational institutions in Mongolia. We are members of the major professional bodies representing their fields of study. We contribute to major conferences and release in the best academic publications. We are actively present in the academic research, methodological help, internships, consulting and permanent education.

As of 2015, MNU has about 11000 undergraduate and graduate students and about 400 faculty members. In the past 17 years over 5000 students graduated with whom we are in contact based on our annual graduate follow-up surveys.

The MNU partners with government agencies, other secondary to higher educational institutions, local and international CSOs, and the private sector. The MNU is involved in a collaborative venture among the overseas partner business schools, universities and research organizations, including the Stanford University, USA, University of California (UC Solar), USA; Jeonju University, South Korea, Chuson University, South Korea and Polzunav Altai State Technical University, Russia, University of Toyama, Japan and Tongji University, China and Hanban University, China.

The MNU has the following 9 schools and established an Innovation Technology Center in 2014 which is becoming an important integral part of the University from development and creation of lasting social value perspectives.

From greener economy-sustainable development perspective, MNU and its faculty members have been actively participating in major events on sustainable –greener development, including Green –Sustainable education, Green building practices, Eco living and has been contributing to policy debates and discussions about greener development and developing new tools, including training handbook on Green Economy and developing a Green building Rating System in Mongolia over the past several years. MNU is a new member and first and only Mongolian university joined the Global Universities Partnership on Environment and Sustainability (GUPES) to date.

MNU Schools:
There are number of afficiated organizations to support our educational, research and innovation efforts, including several tourist resorts and camps, hotels, Start-up companies. MNU also has opened college- Universal College where vocational trainings are provided in the field that responds to Mongolian labor market demand and Mongol-Od High school where pupils study in at least two languages – Mongolin and English.

B. MNU Training programs and Consultancy Services on Sustainability

We would like to highlight some of the work in the area of sustainable development, green development training and consultancy that has been done by the Mongolian National University (MNU) and its staff in the past 5 years as follow:

1. MNU Training Programs on Sustainability

MNU has been developing numerous training programs on sustainability related issues and using these training programs for training of undergraduate students, also for preparing presentations in local and international conferences, meetings and seminars and for research in relevant field of study:

- Sustainable Development
- Ecology and Environmental Protection
- Plant Study
- Geology and Geomorphology
- Introduction to Land Management
- Ecology of land Use
- Water Supply
- Land Valuation
- Introduction to Disaster Preparedness
- Natural Resource Management
- Animal Ecology
- Pasture Management
- Soil Study
- Water Ecology
- Landschaft Ecology
- Forest Ecology
- Ecology Research methodology
- Ecology Monitoring
- Introduction to Remote Sensing
- Land Research Technology
- Land Management Services
- Land Management Strategic Planning
- Environment and Sustainable Development
- Waste Management
- Environmental Impact Assessment
- Remote Sensing for Natural Resources
- Environment Audit
- Green Facility
- Urban Ecology
- Environmental and Ecology Regulatory Framework
- Mathematical Model for Natural Resources
- Natural Resource Exploration Technology
- Environmental Policy and Planning
- Environmental Economics
- Meteorology and Climate Change
- Land Information System
- Mining Reclamation
- Land Degradation and Soil Improvement
- Extension services
2. More information regarding some of aforementioned training programs as follow:

Sustainable Development

This training program is developed for students of the School of Economics and Business Management and is aiming to give an understanding of the sustainable development concept, the key challenges and pathways to sustainable development – that is, economic development that is also socially inclusive and environmentally sustainable.

Ecology and Environmental Protection

This training program is for undergraduate students to get an understanding about the importance of ensuring ecological balance, ways to efficient use of resources, environmental protection and ecology in overall. The training program is for students enrolled in Spike mining technology, geology and oil engineering courses.

Environmental and Ecology Regulatory Framework

This training program is for students enrolled in Land management, Environmental Monitoring and Evaluation courses which give an understanding of the regulatory framework of environmental protection, resource efficiency,

Meteorology and Climate Change

This training program is for students enrolled in Environment Monitoring and Evaluation course. By studying this training course, students learn about climate change issues, including global challenges and challenges that Mongolia is facing and main theoretical understanding of the meteorology which in the later stage can apply in practice before they graduate.

Environment and Sustainable Development

This training program is a compulsory for all students of the School of Tourism and Land Management, School of Mining and Engineering and School of Construction Engineering. The training program is aiming to give a clear understanding about sustainable development and green development in overall, fundamentals of Environmental Economics, Environmental and green development policy of Mongolia, Climate change adaptation strategy, and environmental pollution impacts on human health and other treats.

3. MNU and its staff participation in out-side of MNU trainings, seminars, workshops and consultancy services (A few examples)

Handbook on Introduction to a Green Economy, 2015, D.Nergui, Associate Professor, MNU, Ministry of Environment, Green Development and Tourism contract, supported by UNITAR
MNB TV (Mongolian National Public TV) Weekly Program on Science, Technology and Innovation. Prof Sh. Batmunkh, who is a Science Journalist, member of World Federation of Science Journalist runs this TV weekly program since 2012

Ulaanbaatar green zone study, 2010, T. Bilguuntugs, Lecturer, School of Tourism and Land Management, MNU - Consultancy


Action Plan on Mongolia Green Learning Program was developed by Associate Professor D.Nergui, MNU as a part of “PAGE” E-learning course study, 2014 http://www.un-page.org/resources/e-learning-courses

Presentation titled “Role of the Education Sector in Transition to a Green Economy”, May 2014, MEGD-UNEP-UNITAR joint workshop

Training on Green Production and Consumption, Green Office and Green Building for Ulaanbaatar district officials and private sector representatives, Dec 2014 funded by CARITAS Czech Republic.

Environmental Impact Assessment for Darkhan Metallurgy, Lecturer T. Bilguuntugs, MNU – Consultancy

Training on Green Building for construction sector representatives, Associate professor D.Nergui, Nov 2014, Mongolian Association of Urban Centers

Environmental Impact Assessment for Brown coal mine at Matad Soum of Dornod aimag, Lecturer T. Bilguuntugs, MNU - Consultancy

Solid Waste Management Strategy for Khanbogd Soum. Umnugovi aimag, Associate Professor D.Nergui, MNU, July-Sept 2013 - Consultancy

Pilot project on Solar to Heating jointly with University of California (UC Solar), MNU Team since 2013 up to date

Joint Emergency Medicine training project with Stanford University, USA, Medical School, MNU, since 2014

C. Student initiatives

There are number of MNU Student Initiatives in the area of sustainability.

Student Eco-clubs

Students joined Eco-clubs advocate others to change their attitude, behavior and approach from gray to green.
Waste-to-recycling initiative

Students work together with MNU admin staff to collect that solid waste can be recycled and deliver them to recycling companies.

Active participation of students in Students’ “BEST PRESENTER” events

MNU Law School 2nd grade student A. Amar became the third BEST PRESENTER in one of Students scientific conferences organized in 2014. The topic of his presentation was “Climate change and Solutions”