



NUCLEAR ENERGY COMMISSION

21ST FNCA MINISTERIAL MEETING

COUNTRY REPORT MONGOLIA

**Executive Office
Nuclear Energy Commission,
the Government of Mongolia**

10 December, 2020

Утас: 976-70-139019; 976-70-131609

И-мэйл: office@nea.gov.mn

Веб хаяг: <http://www.nea.gov.mn>



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Legal Framework

- ❖ **National Security Concept of Mongolia /2010/**
- ❖ **Law on Nuclear Weapon Free Status /2000/**
- ❖ **State Policy on Exploitation of Radioactive Minerals and Peaceful Uses of Nuclear Energy /2009/**
- ❖ **Program for Implementation of the State Policy /2009/**
- ❖ **Nuclear Energy Law /2009/**
- ❖ **Vision-2050, Mongolia's long-term development policy**
- ❖ **Government's Action Plan for 2020-2024**

Phone: 976-70-139019; 976-70-131609

E-mail: office@nea.gov.mn

Website: <http://www.nea.gov.mn>



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Major developments

- To amend Nuclear Energy Law based on changes in the Constitution;
- Implementation of MoU with Russia on cooperation in the Establishment of Center of Nuclear Science and Technology on the territory of Mongolia;
- Social licensing activities are conducted through the promotion and benefits of use of nuclear technology;



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Status on Nuclear Energy Field

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- No Nuclear facilities;
- Wide range of nuclear non-power applications;
- Substantial uranium resources: **192.2 thousand tons**
- Preparatory work for uranium exploitation is in progress.

DEPOSITS OF STRATEGIC IMPORTANCE



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Introduction of Linacs

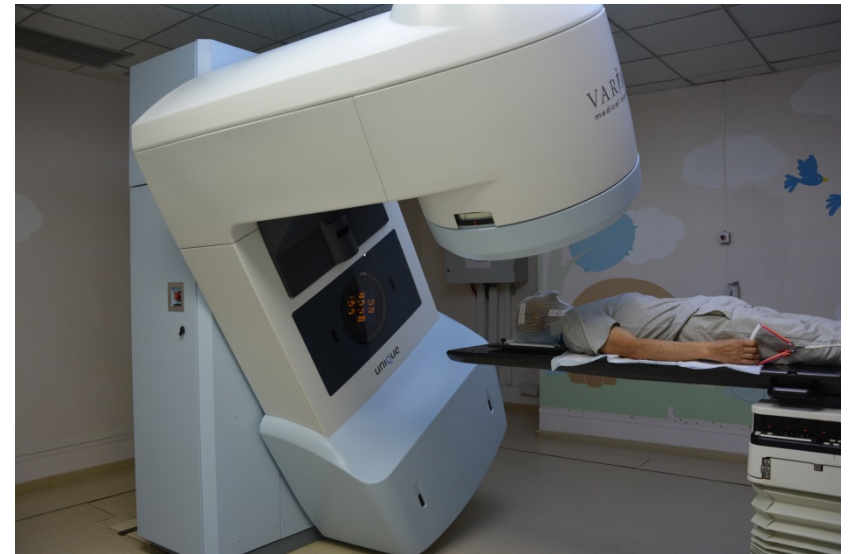
- 2 linear accelerators at National Cancer Center;



Clinac iX

Capacity:

Beam: Photon – 6, 10MeV
Electron – 6, 9, 12, 15, 18MeV



Unique Linear accelerator

Capacity:

Beam: Photon - 6MeV



Nuclear technology in veterinary vaccinations

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Vaccination production line for FMDs
at BIOCOMBINAT

- Establishment of the vaccination production line for FMDs at BIOCOMBINAT state-owned factory with the capacity of 100 thousand dose vaccines for livestock/day in emergency;
- Strengthened laboratory capacities to develop a diagnosing tool and increased the detection efficiency of cross-border infectious and zoonotic diseases;

“Roles of Nuclear technology in Mongolia’s advancement” National seminar



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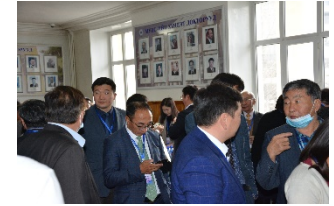


Main purpose:

- ❑ To strengthen and promote cooperation between researchers and users in nuclear field;
- ❑ To promote nuclear science and technology to the public via the media;
- ❑ Recommendations;

Participations

- ❑ 49 organizations and 172 participants





“Pandemic situation”

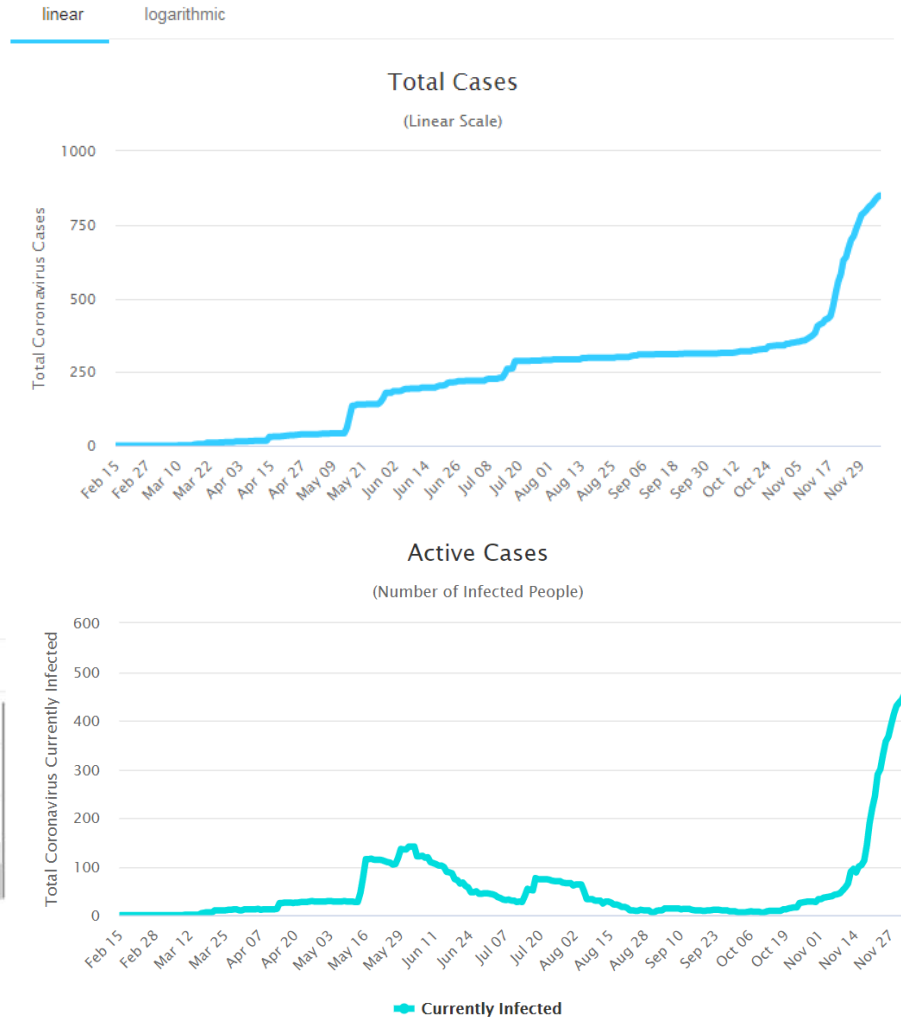
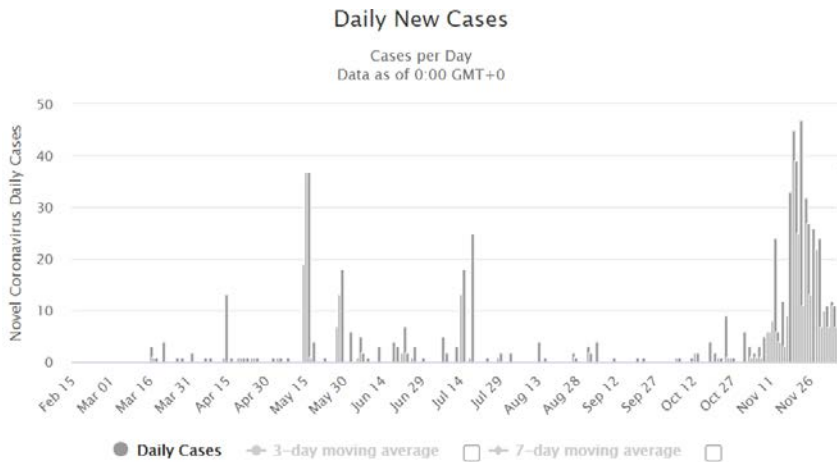
2020.12.08

Total COVID-19 cases – 888

Recovered – 384

Being treated – 495

Deaths – 0





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Summary

- Nuclear legislations are expected to be amended;
- Some technologies are introduced and being localized, such as a vaccination production line for FMDs in veterinary and a PET/CT with an accelerator and LINACs are human health;
- Uranium resources are increased and preparatory work for uranium exploitation is in progress;
- Social licensing activities are conducted by promoting advantages of technologies themselves and benefits of use of nuclear technology;

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THANK YOU FOR YOUR ATTENTION



EXECUTIVE OFFICE OF THE NUCLEAR ENERGY COMMISSION

E-MAIL: OFFICE@NEA.GOV.MN

WEBSITE: WWW.NEA.GOV.MN
