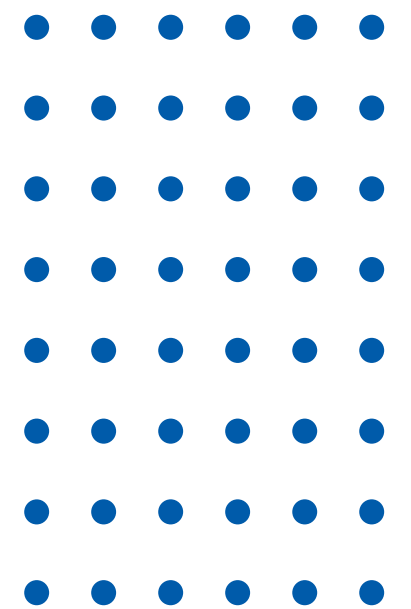
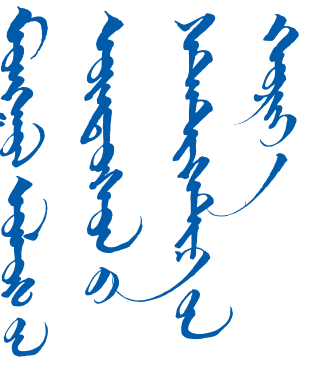


Regional Training Workshop on an SEEA Asset Accounts for Sustainable Development  
(16-19 June 2025), Chiba, Japan

# Country Experience: SEEA implementation in Mongolia



National Accounts Division, NSO of Mongolia  
Bayarmaa.B



# Outline:

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- I. SEEA implementation in Mongolia
- II. SEEA Asset accounts: Forest Resource Accounts
- III. Dissemination of SEEA
- IV. Challenges & Way forward



# I. SEEA implementation in Mongolia

## *Timeline of compilation SEEAs*

### **2013-2015**

- Studied SEEA CF
- Assessment of the sources and quality of environmental statistical data
- A memorandum of cooperation was signed with the Ministry of Environment
- Action plan for implementation of SEEA
- Material Flow Accounts, experimental, for 2005-2013, Energy account – PSUT for 2010-2013

### **2016-2019**

- Energy account PSUT, Environmental tax accounts, Material Flow Accounts (ADB technical support)
- Environmental protection expenditure accounts

### **2020-2025**

- Water, Solid waste, Air emission accounts (ESCAP, ADB)
- Environmental subsidies, Environmental goods and services sector accounts, Agriculture accounts, Forest accounts
- Water flow account, land cover account (ADB & KOSTAT project, 2024-2026)



# I. SEEA implementation in Mongolia

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## Physical Flow Accounts

- Material Flow Account
- Physical Flow Accounts for Energy
- Solid Waste Accounts
- Physical Flow Accounts for Water
- Air Emission Account
- Agriculture Accounts

## Activity accounts

- Environmental taxes account
- Environmental taxes subsidies and transfer account
- Environmental Protection Expenditure account
- Environmental goods and services sector account

## Asset Accounts

- Land use account
- Forest resource account



## II. SEEA asset accounts: Forest resource accounts

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The framework of the forest accounts:

- Physical asset account for forest and other wooded land
- Physical asset account for timber



## II. SEEA asset accounts: Forest resource accounts

### *Main data sources*

1. UN FAO “Global Forest Resource Assessment” (2015, 2020)
2. Government implementing agency Forest Department “Forest inventory and forest organization” (Law on Forest defined: State Central Administrative Body in charge of environment issues shall implement a *national forest inventory with an interval of five years* and update the data on conditions of the forest fund. *A forest organization shall be implemented with an interval of ten years* in order to update forest use, forest protection and forest restoration measures.)
3. Annual administrative data on forest:
  - Forest resource and it’s use (forestry resource by type of timber, forest land, use of resource)
  - Depletion, degradation and restoration of forest resources
4. <https://eic.mn> – environmental information center

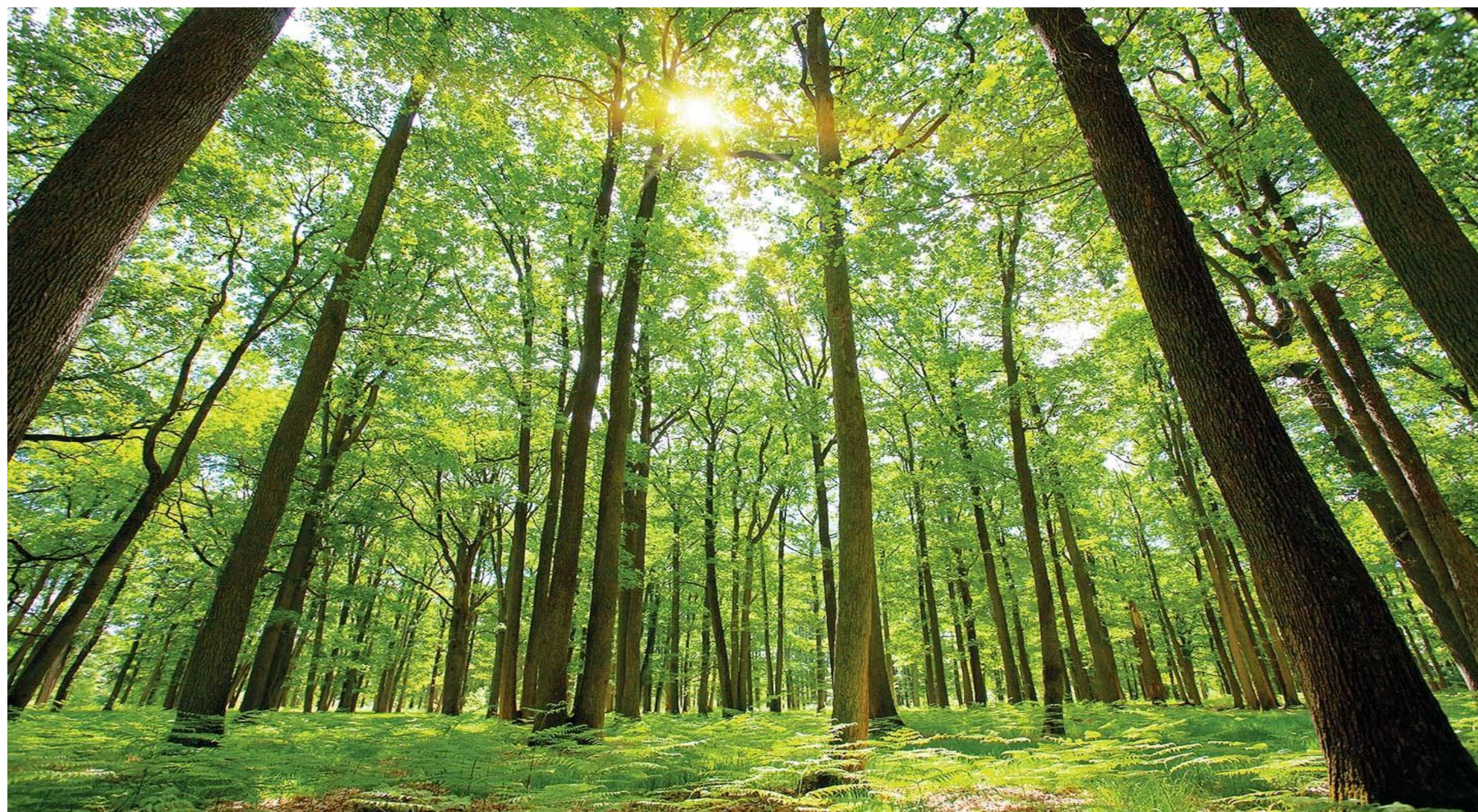




## II. SEEA asset accounts: Forest resource accounts

### *Definition of forest (national classification)*

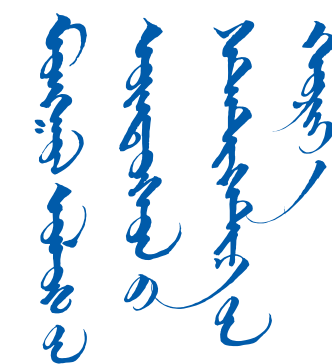
Boreal forest – all land spanning of at least 1 ha covered by trees with a height of at least 2 m with canopy cover of at least 10% (83.4% of forest land, timber – 99.8%)



Saxaul forest - all land spanning of at least 1 ha covered by trees with a height of at least 1 m with canopy cover of at least 4% (16.6% of forest land )







## II. SEEA asset accounts: Forest resource accounts

### *Physical asset account for forest and other wooded land*

indicators	2020	2021	2022	2023
	thous.ha			
Opening stock of forest and other wooded land	12 398.4	12 619.4	12 409.2	12 621.3
Additions to stock	987.5	929.2	1 510.3	1 172.0
Afforestation	2.9	2.3	2.0	3.4
Natural expansion, reclassification	984.6	926.8	1 508.3	1 168.7
Reductions in stock	766.5	1 139.4	1 298.3	1 171.9
Deforestation	19.2	42.6	18.9	16.6
Natural regression, other	747.3	1 096.8	1 279.3	1 155.4
Closing stock of forest and other wooded land	12 619.4	12 409.2	12 621.3	12 621.4

Mongolia conducted a national forest inventory in 2014-2016. Forest organization work is carried out annually covering the planned aimags and soums, and in 2020, it was conducted in the forest fund (forested areas plus non-forested areas amid the forested areas and the environment including the area needed for forest growth) of 3 regions, and national forest fund data was updated.





## II. SEEA asset accounts: Forest resource accounts

### *Physical asset account for timber resources*

indicators	2020	2021	2022	2023
	thous.cubic meters			
Opening stock of timber resource	1 202 316.4	1 245 374.5	1 228 988.4	1 243 145.6
Total changes in stock	43 058.1	- 16 386.1	14 157.1	97.1
Removals	955.0	824.8	690.6	696.4
Other changes	44 013.1	- 15 561.3	14 847.8	793.5
Closing stock of timber resource	1 245 374.5	1 228 988.4	1 243 145.6	1 243 242.7

Other changes in forest resources include natural growth and decline of trees, afforestation, and other changes. The detailed data on changes in stock are available through “forest inventory and forest organization” work.



# III. Dissemination of SEEA

## Data dissemination

[←](#) [↺](#) [https://www.1212.mn/en/statistic/statcate/573086/table/573086](#) [A<sup>11</sup>](#) [☆](#) [📊](#) [⚙️](#) [☰](#)

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## Environmental-Economic Account

Table

Introduction

Report

Methodology

Population, household

Labour, business

No

Name ↑↓

Updated date ↑↓

1

\* TOTAL USE FOR ENERGY, by product, (TJ)

2025-04-07



NATIONAL  
STATISTICS OFFICE  
OF MONGOLIA

ENVIRONMENTAL – ECONOMIC  
ACCOUNTS  
(a summary report)

Ulaanbaatar  
2025





## IV. Challenges & Way forward

### *Problems:*

### **SDG indicator 15.1.1 Forest area as a proportion of total land area**

### [FAOSTAT](#)

Item	Year	Unit	Value	Flag Description	Note
15.1.1 Forest area as a proportion of total land area	2020	%	9.1	Official figure	Country Data   FAO. Global Forest Resources Assessment 2020 and FAOSTAT   Officially reported data

### *Physical asset account for forest and other wooded land*

For 2020, Forest and other wooded land as a proportion of total land – 8.1%

### *Land use account*

For 2020, Forest area as a proportion of total land area – 9.1% (forest covered – 7.8%)



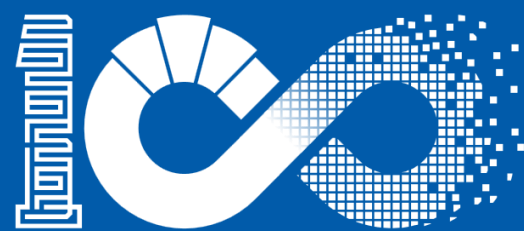
## IV. Challenges & Way forward

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### *Future work*

- NSO compile SUT for 2024 – check relation & coordination of SEEA with SUT, for example water accounts, environmental protection expenditure accounts, environmental goods and service sector accounts ..,
- ADB & KOSTAT TA project – study mineral and energy asset accounts (planned in 2026)
- Compilation of land cover accounts
- Improve data sources, compilation of SEEA account





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# THANK YOU

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