# Use of the IPCC Inventory Software for National GHG inventories in the Agriculture, Forestry and Other Land Use (AFOLU) sector

## Remote Training on the IPCC Inventory Software for National Greenhouse Gas Inventories for the Latin America and Caribbean Region

9 December 2021

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# Content

## ❑ Use of dedicated data managers

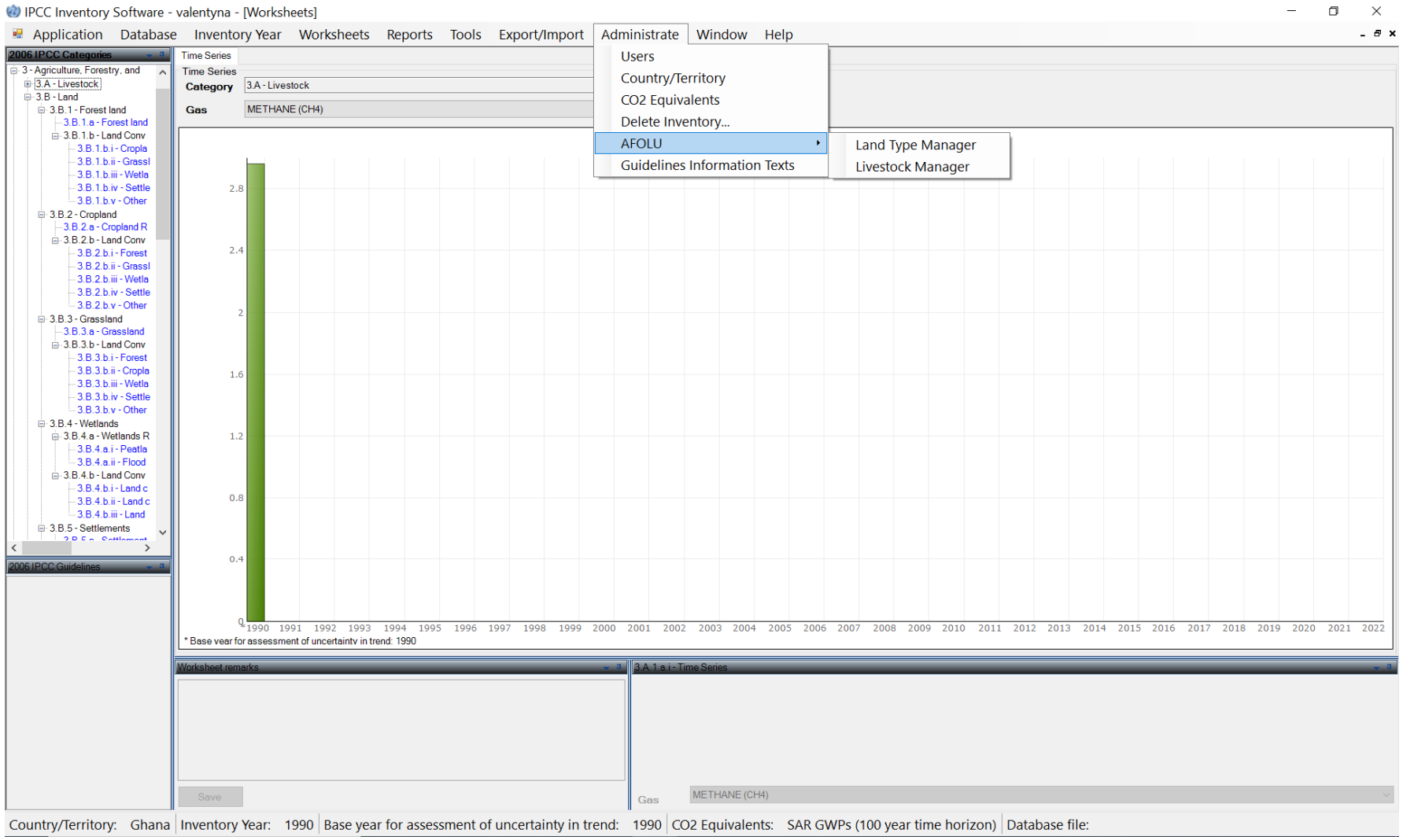
- ✓ Land Type Manager
- ✓ Livestock Manager.

## ❑ AFOLU specific worksheets

- ✓ 3.A Livestock
- ✓ 3.B Land
- ✓ 3.C Aggregate Sources and non-$CO_2$ Emissions Sources on Land

## ❑ Input activity data, emission factors and other parameters (practical exercises)

# Data Managers

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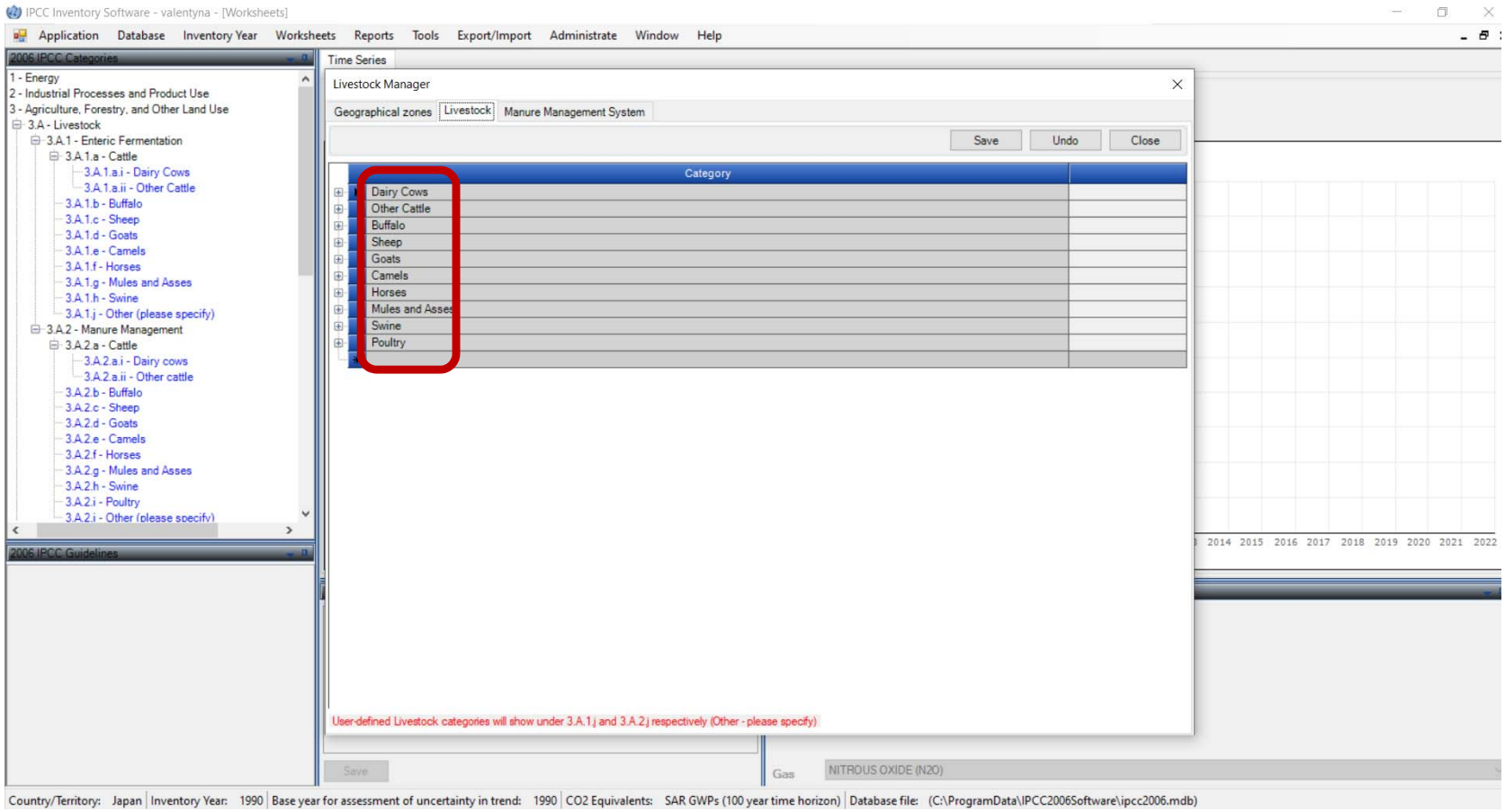
# Data Managers

## Livestock Manager (basic stratification)

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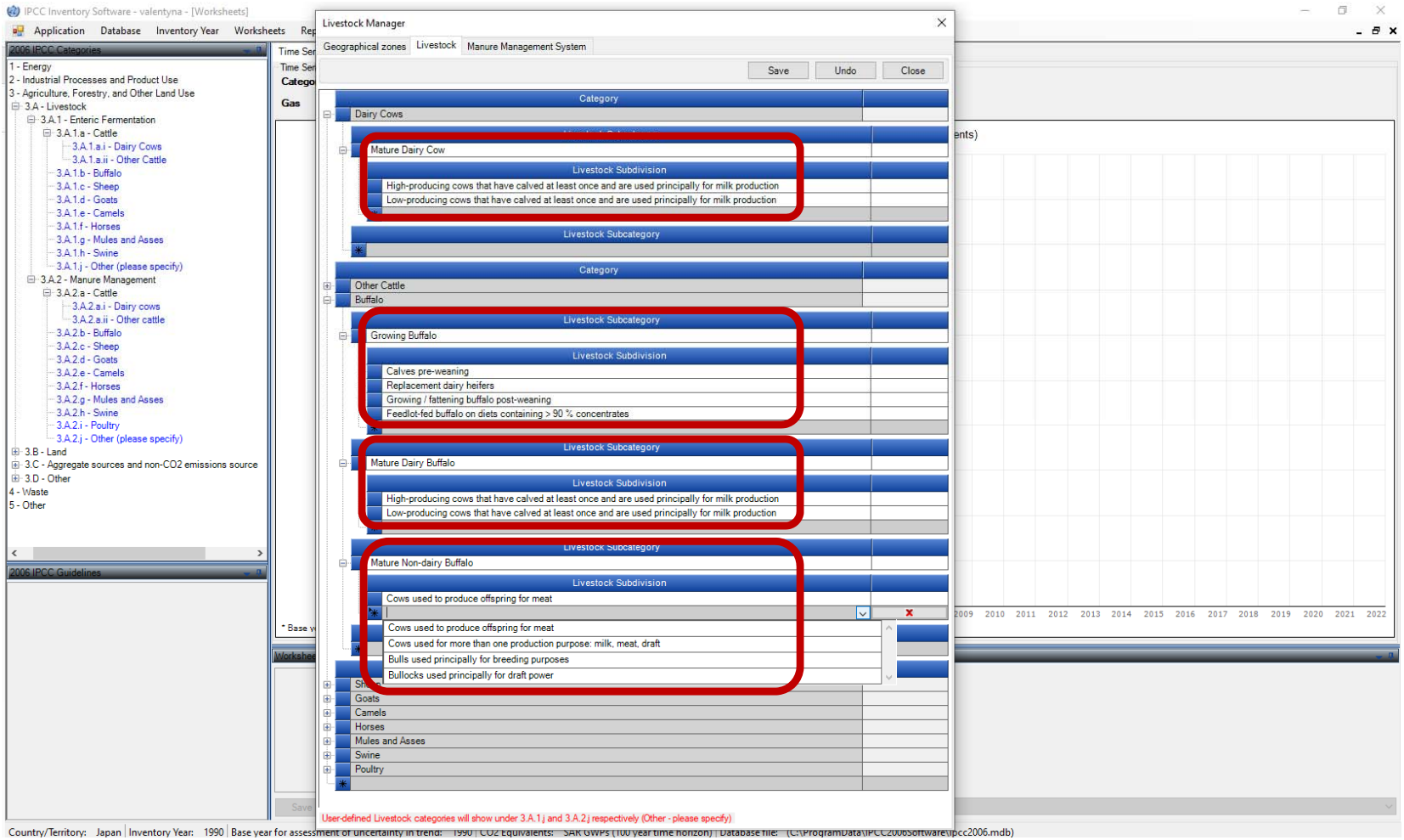
# Data Managers

## Livestock Manager (enhanced stratification)

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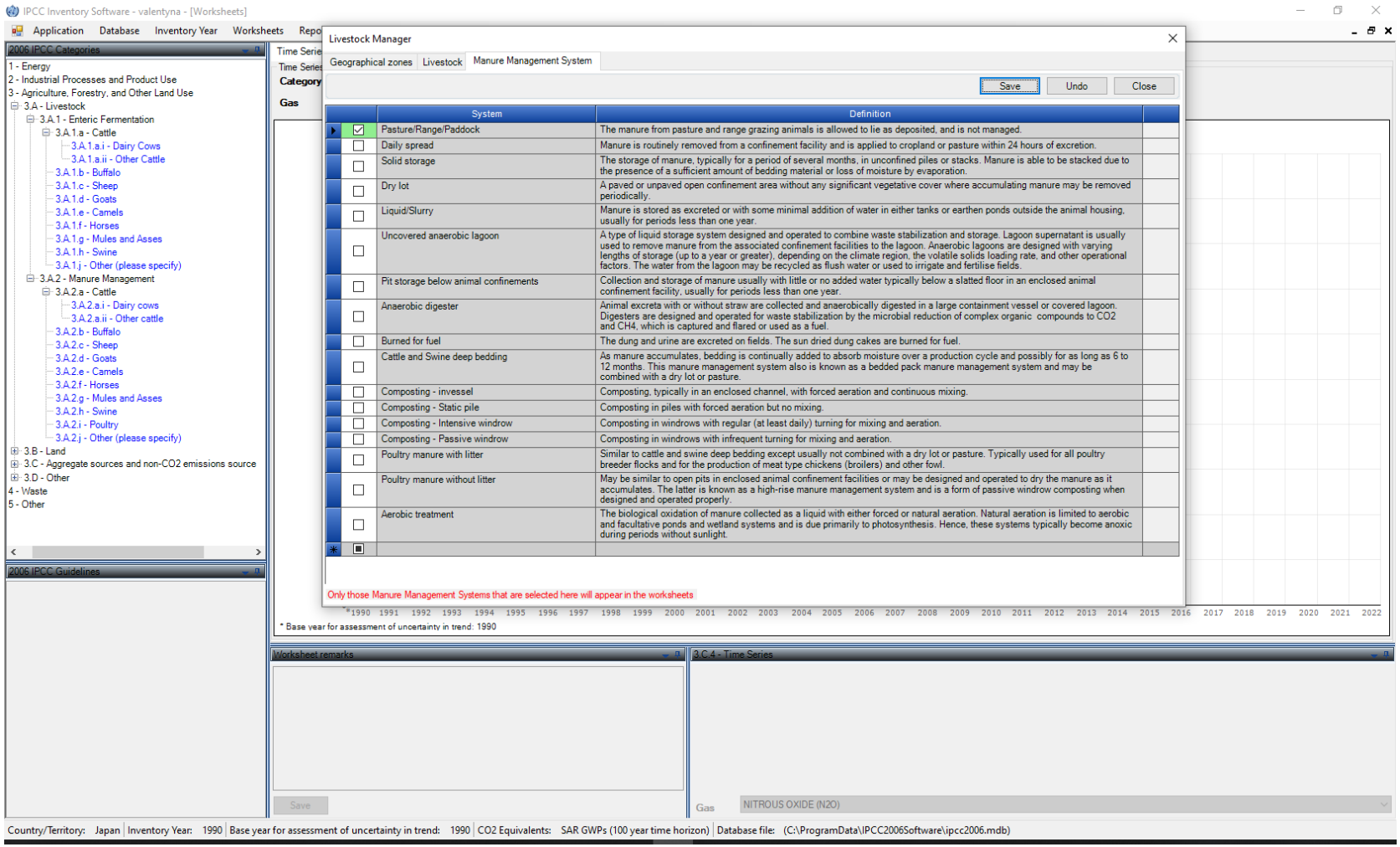
# Data Managers

## Livestock Manager – MMS Stratification

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## 3.B. Land Stratification – Bio-physical Characteristics

- The IPCC Software creates unique combinations of:

✓ soil

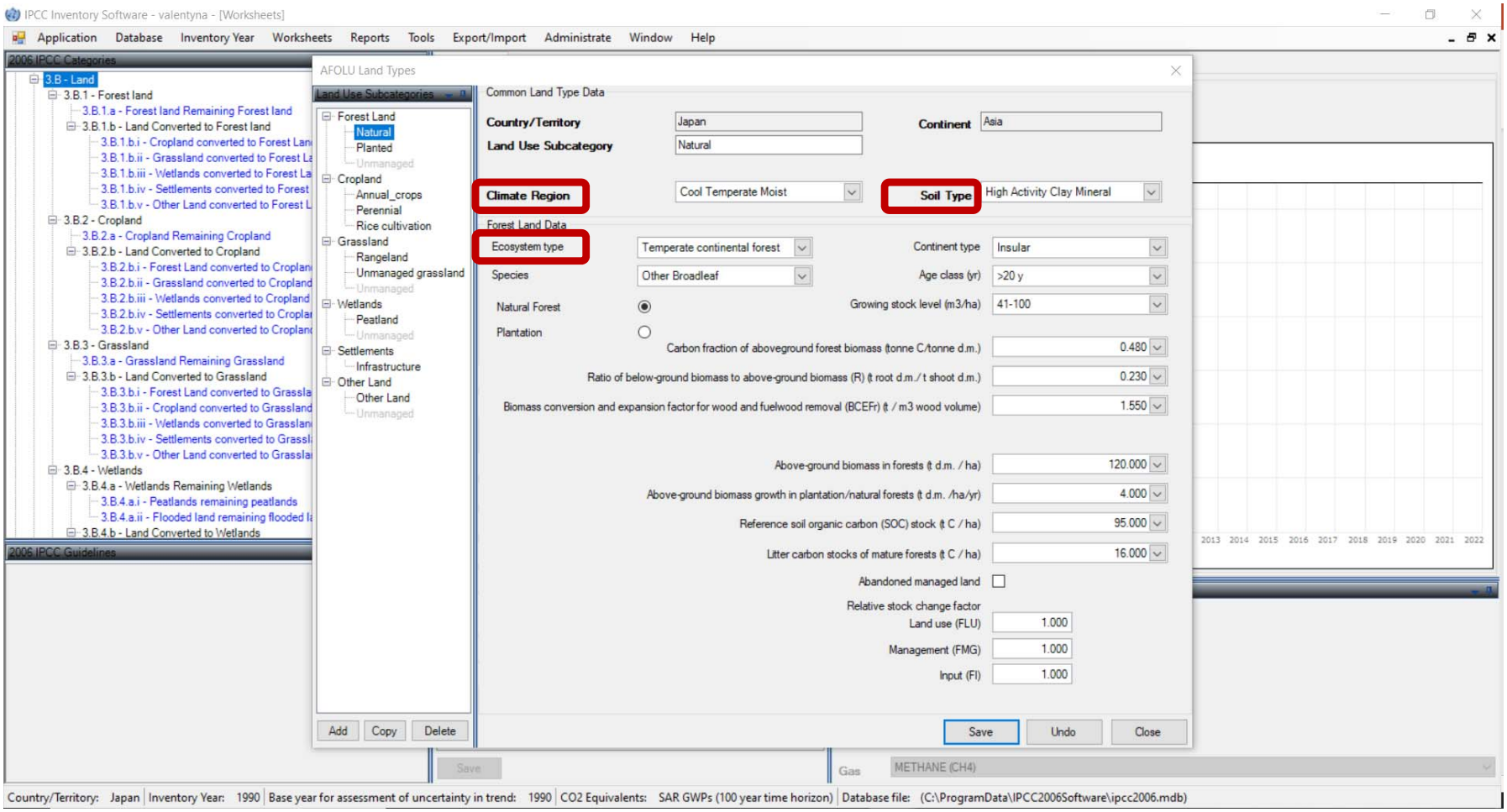
✓ climate

✓ vegetation zone

- Once a Land is assigned to one of those combination, conversion may occur only between land types created in the Land Manager for that specific combination.

# Data Managers

## Land Type Manager

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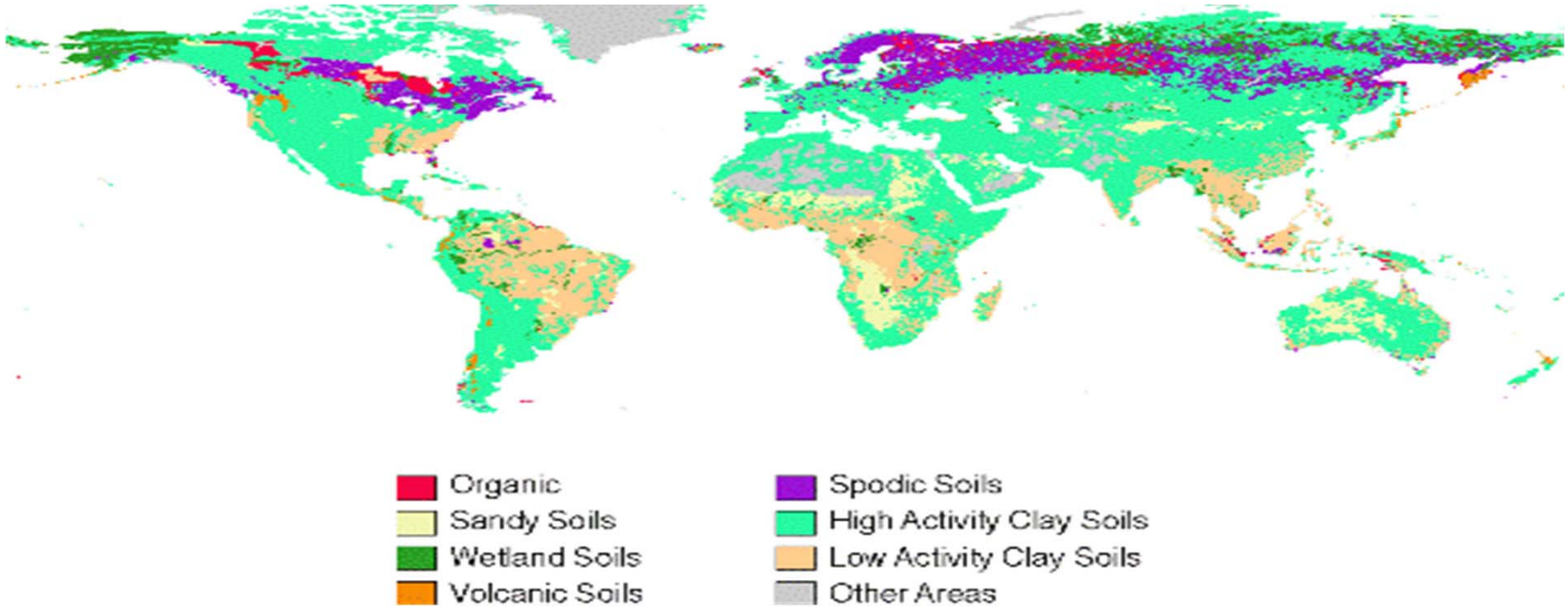
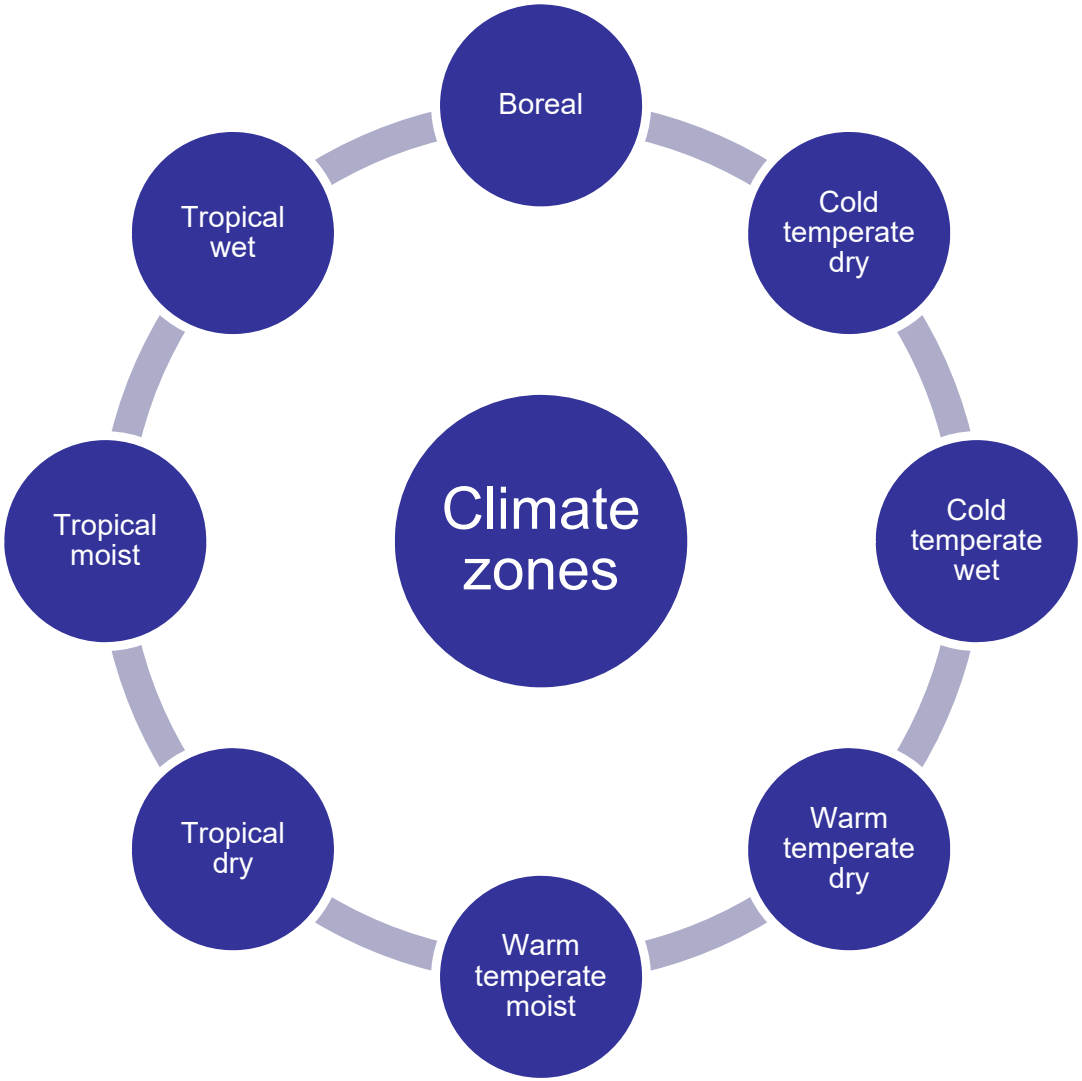
# Land Stratification – Bio-physical Characteristics

Default country's soil types according to the 2006 IPCC Guidelines*




* derived from the World Harmonized Soil Database

# Land Stratification – Bio-physical Characteristics

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# Land Stratification – Bio-physical Characteristics

## Global Ecological Zones (GEZ)*

| | | | | |
|---|---|---|---|---|
| Tropical rainforest | Tropical moist deciduous forest | Tropical dry forest | Tropical shrubland | Tropical desert |
| Tropical mountain systems | Subtropical humid forest | Subtropical dry forest | Subtropical steppe | Subtropical desert |
| Subtropical mountain systems | Temperate oceanic forest | Temperate continental forest | Temperate steppe | Temperate desert |
| Temperate mountain systems | Boreal coniferous forest | Boreal tundra woodland | Boreal mountain systems | Polar |

* provided by FAO

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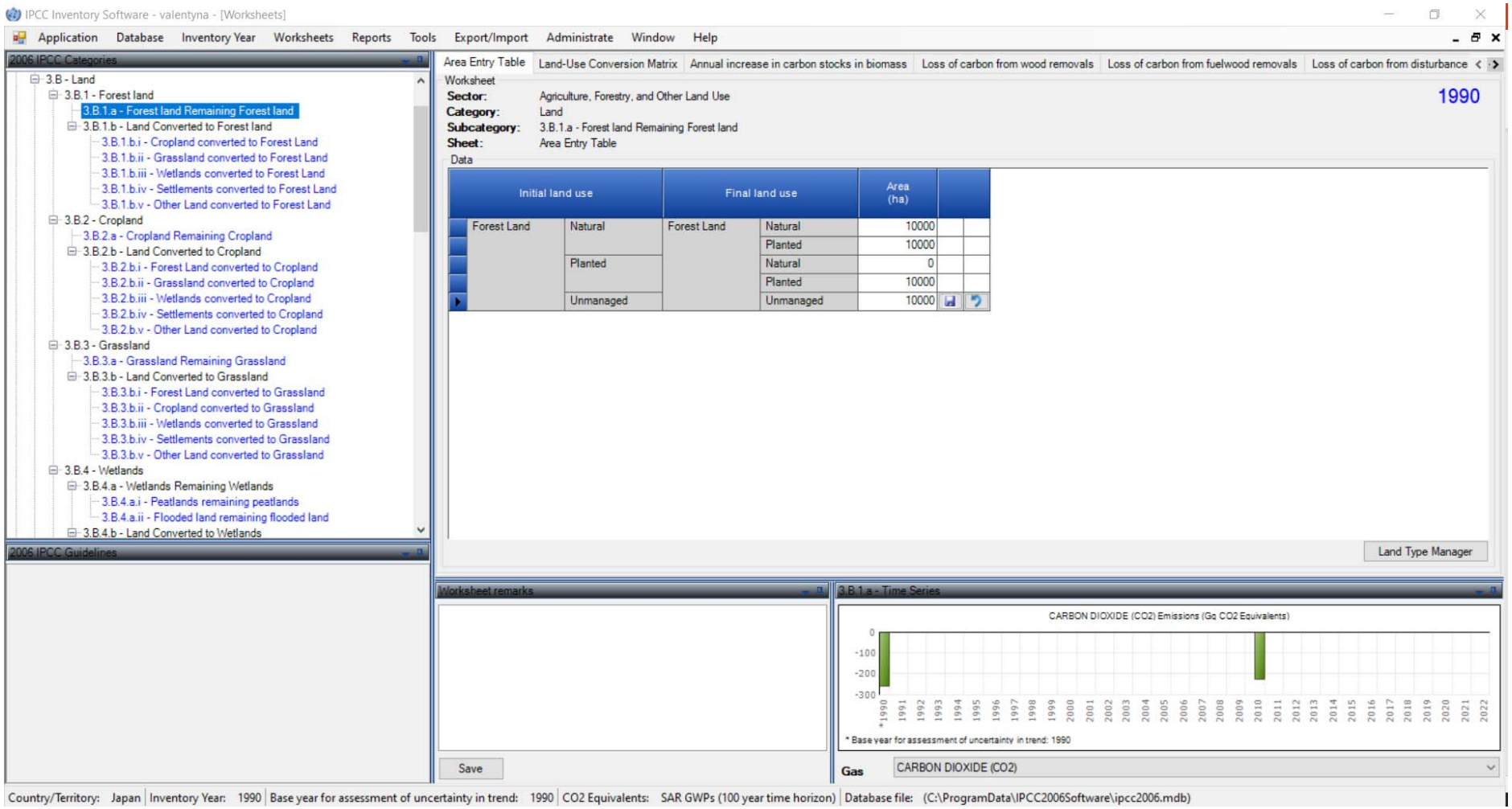
# AFOLU Specific Worksheets

## 3.B Land (3.B.1 – Forest Land)

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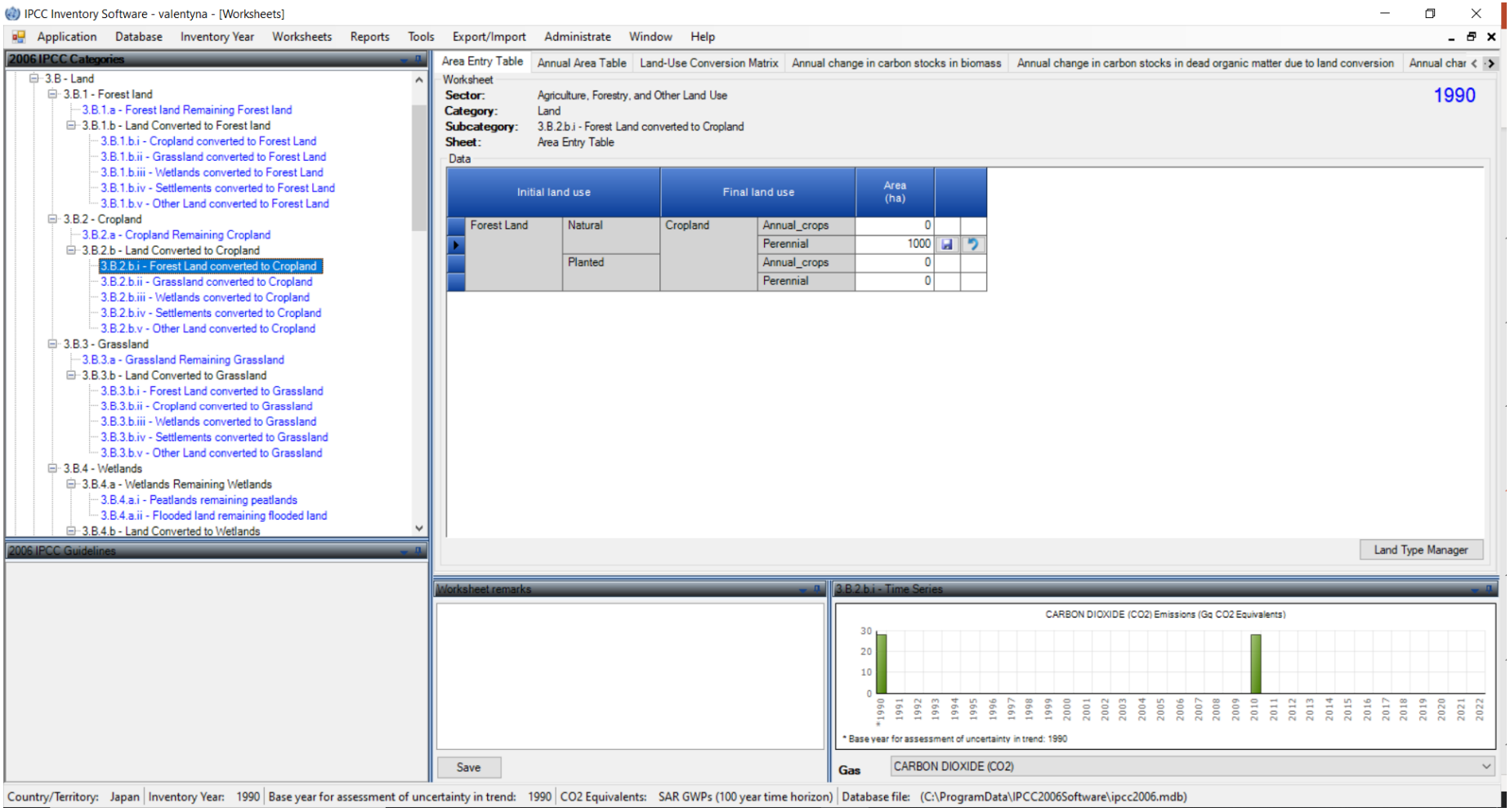
# AFOLU Specific Worksheets

## 3.B Land (3.B.2.b.i – Forest Land converted to Cropland)

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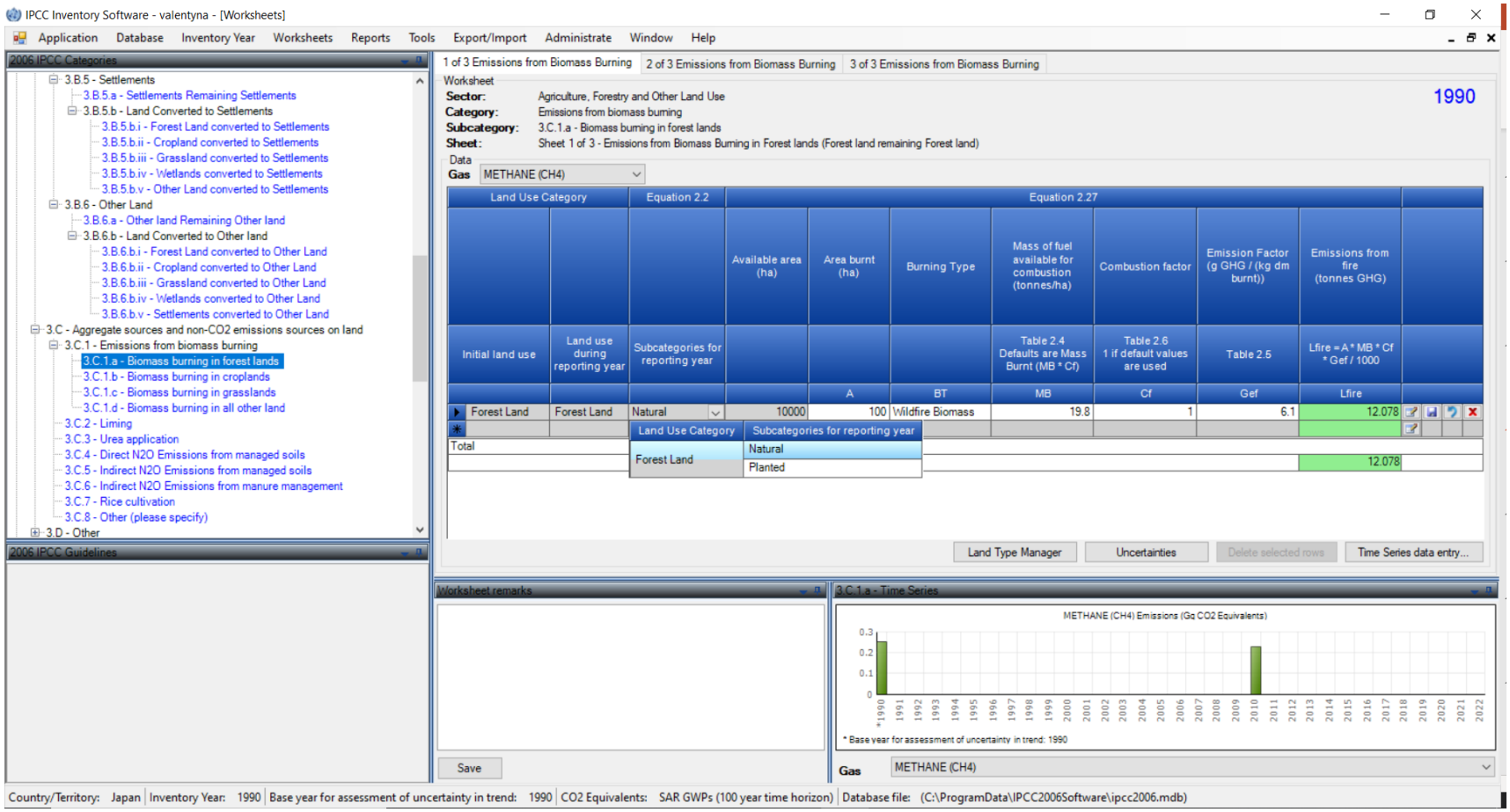
# 3.C Aggregate Sources and non-$CO_2$ Emissions Sources on Land

All non-CO2 emissions from Land are categorized according to the activity/process from which they are originated.

# AFOLU Specific Worksheets

## 3.C Aggregate Sources and non-$CO_2$ Emissions Sources on Land (3.C.1.a – Biomass burning in forest lands)

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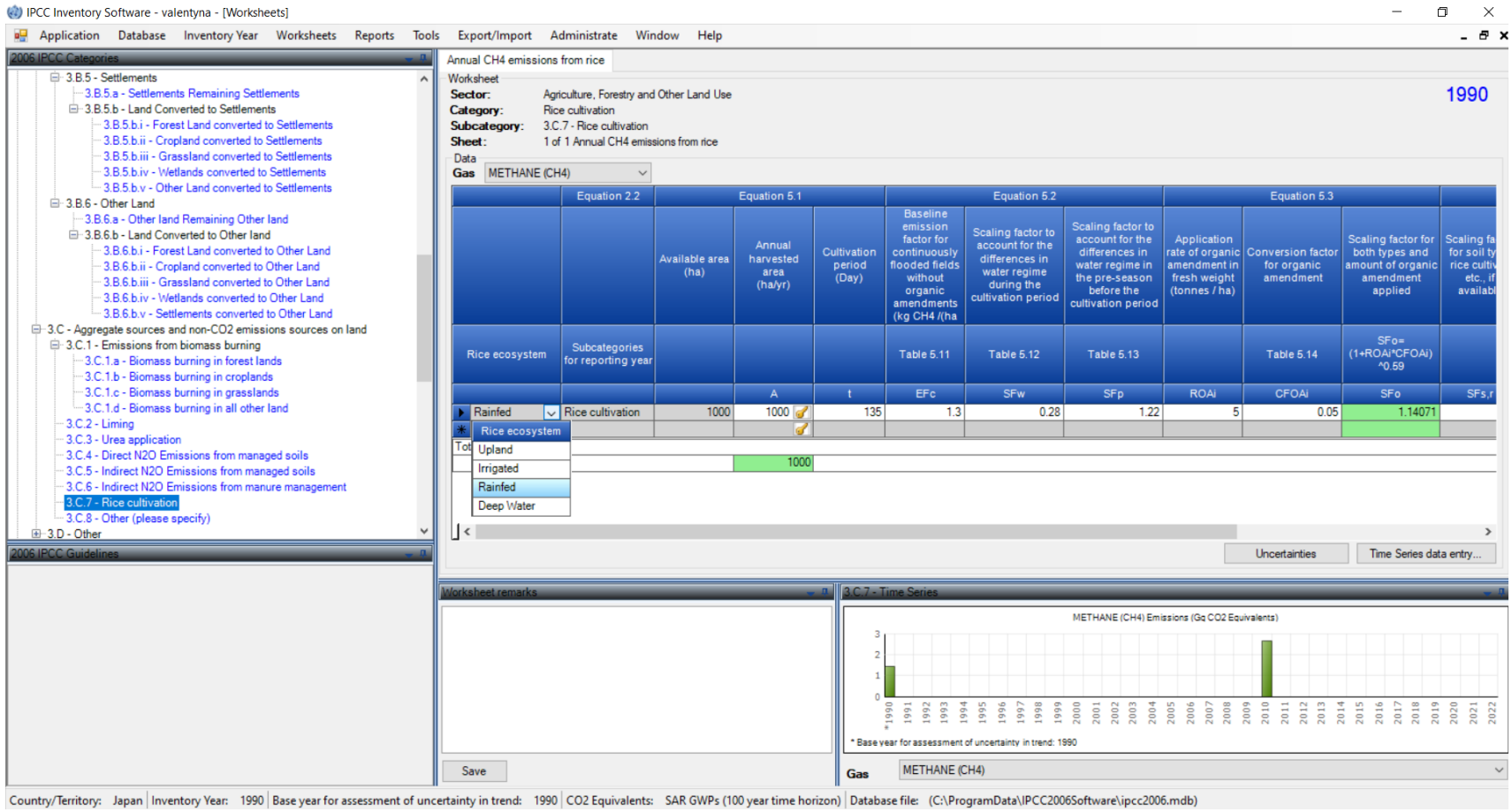
# AFOLU Specific Worksheets

## 3.C Aggregate Sources and non-$CO_2$ Emissions Sources on Land (3.C.7 – Rice cultivation)

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# Practical Exercises on:

- ✓ 3.A.1.a.i Enteric fermentation/ dairy cows
- ✓ 3.A.2.a.i Manure management/ dairy cows
- ✓ 3.A.1.a.ii Enteric fermentation/ other cattle
- ✓ 3.A.2.a.ii Manure management/ other cattle
- ✓ 3.B.2.b.i Forest land converted to Cropland [Deforestation]
- ✓ 3.C.1.a Biomass burning in forest lands
- ✓ 3.C.7 Rice cultivation

# Thank you!

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