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 African Region

21 April 2022

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Content

❑ Use of dedicated data managers

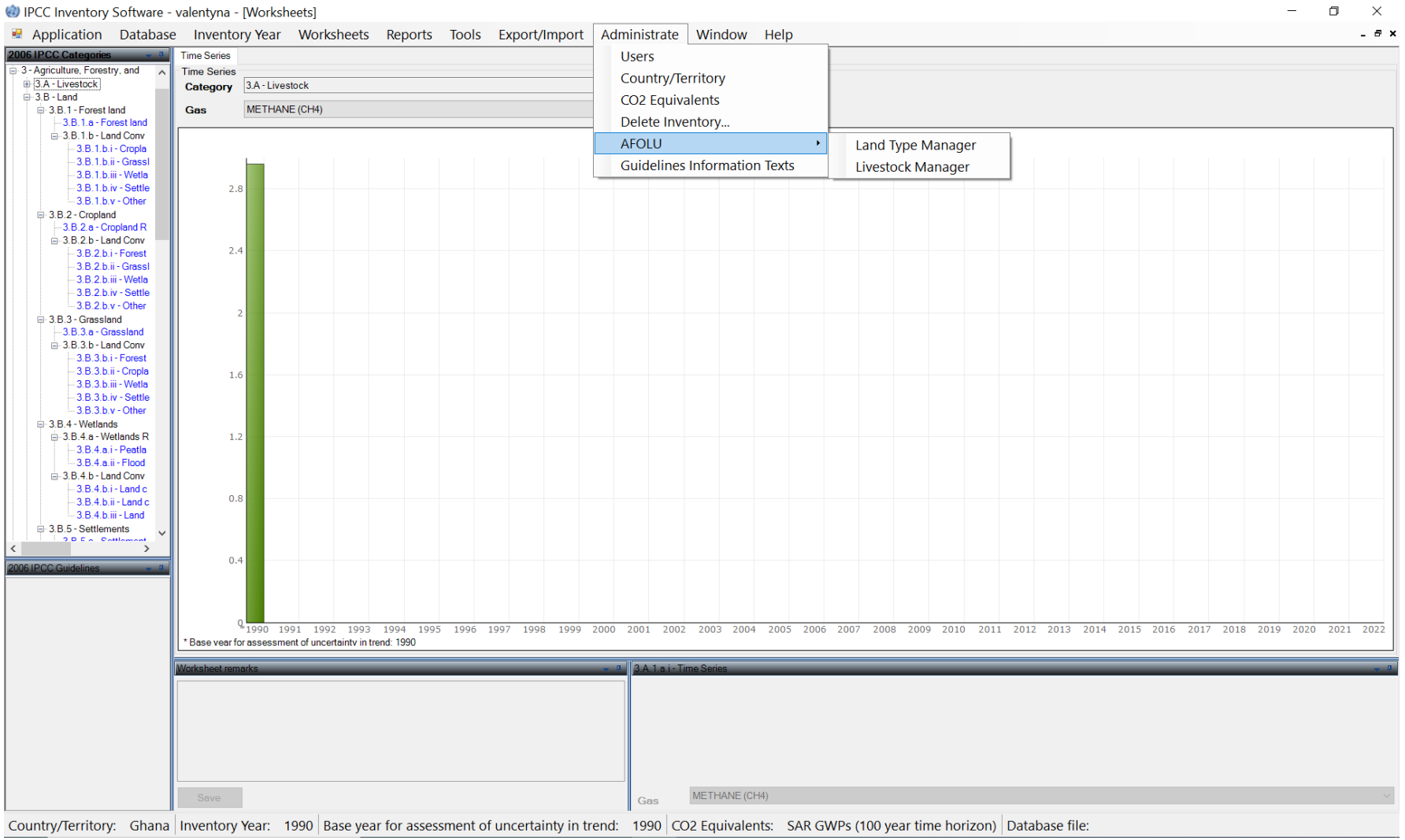
- ✓ Land Type Manager
- ✓ Livestock Manager

❑ 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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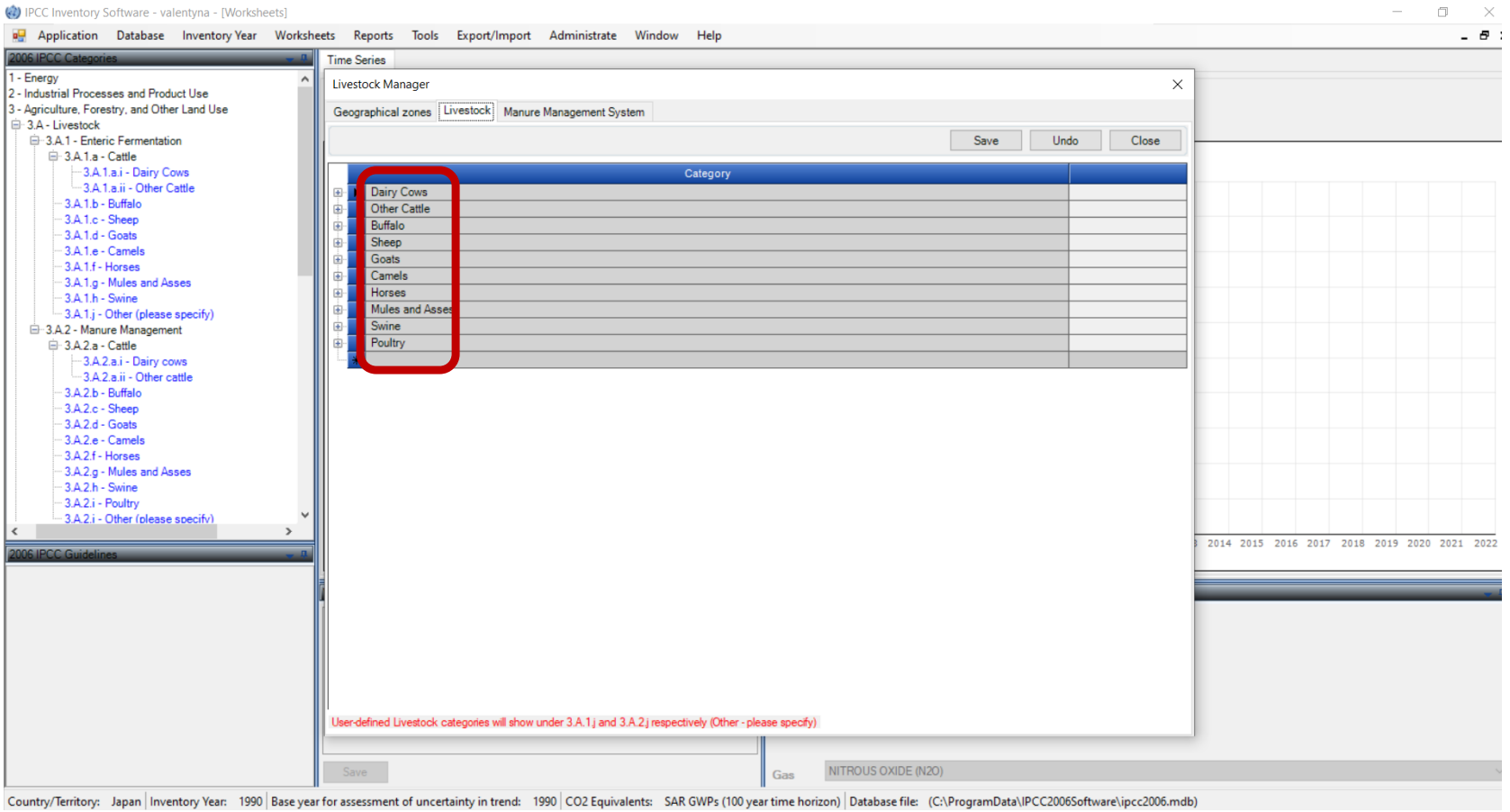
Data Managers

Livestock Manager (basic stratification)



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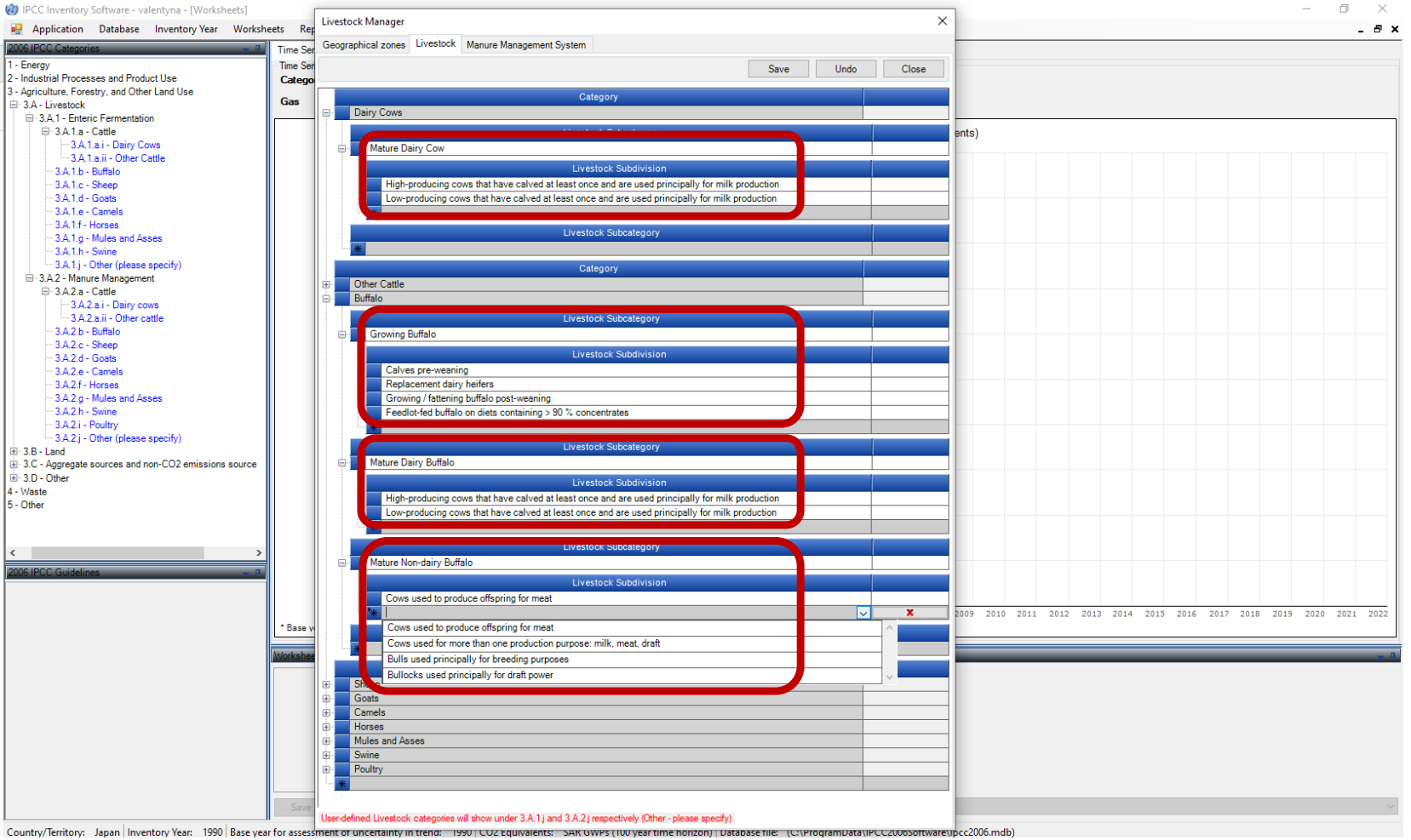
Data Managers

Livestock Manager (enhanced stratification)



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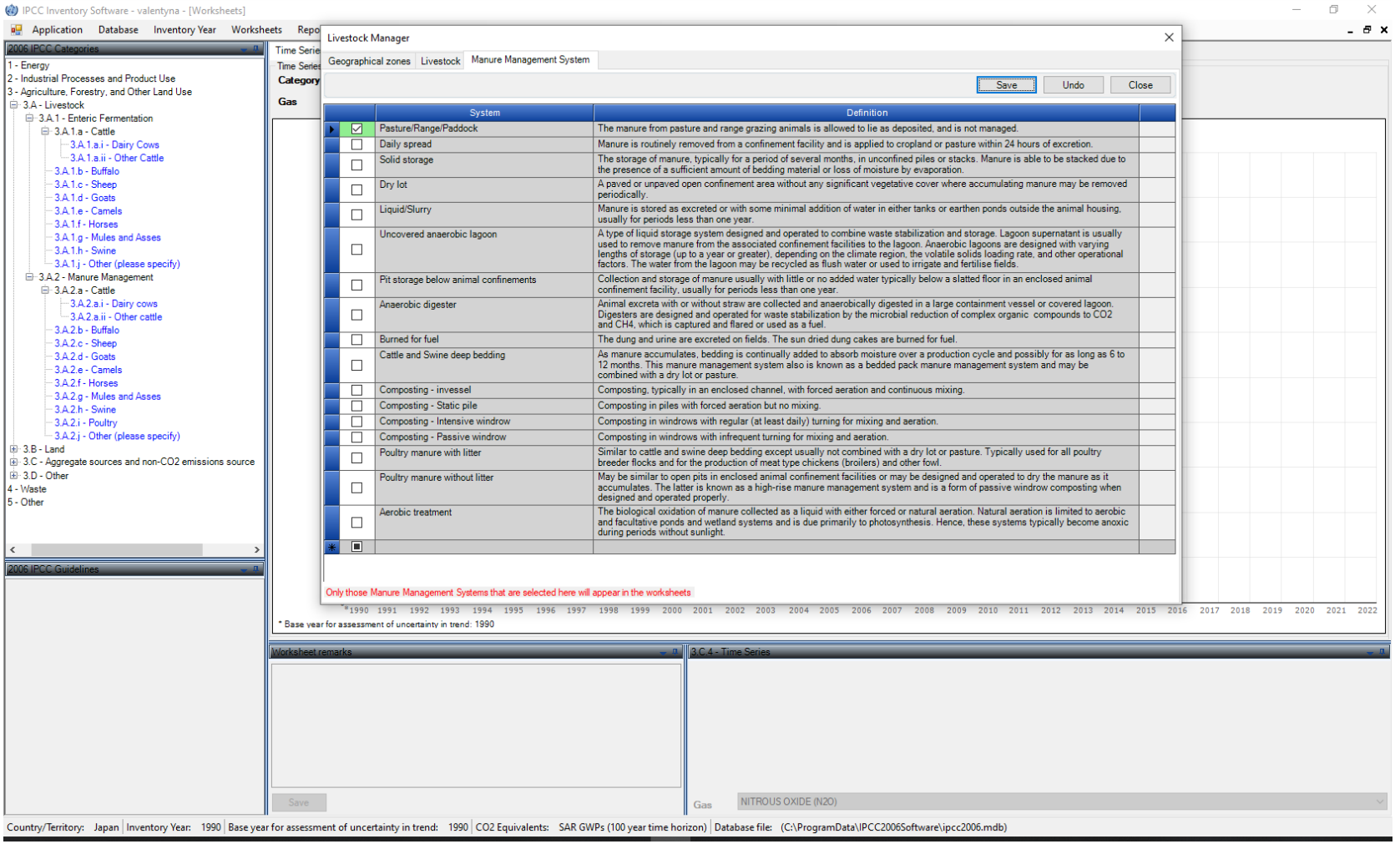
Data Managers

Livestock Manager – MMS Stratification



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3.B. Land Stratification – Bio-physical Characteristics

- The IPCC Software creates unique combinations of:

✓ soil

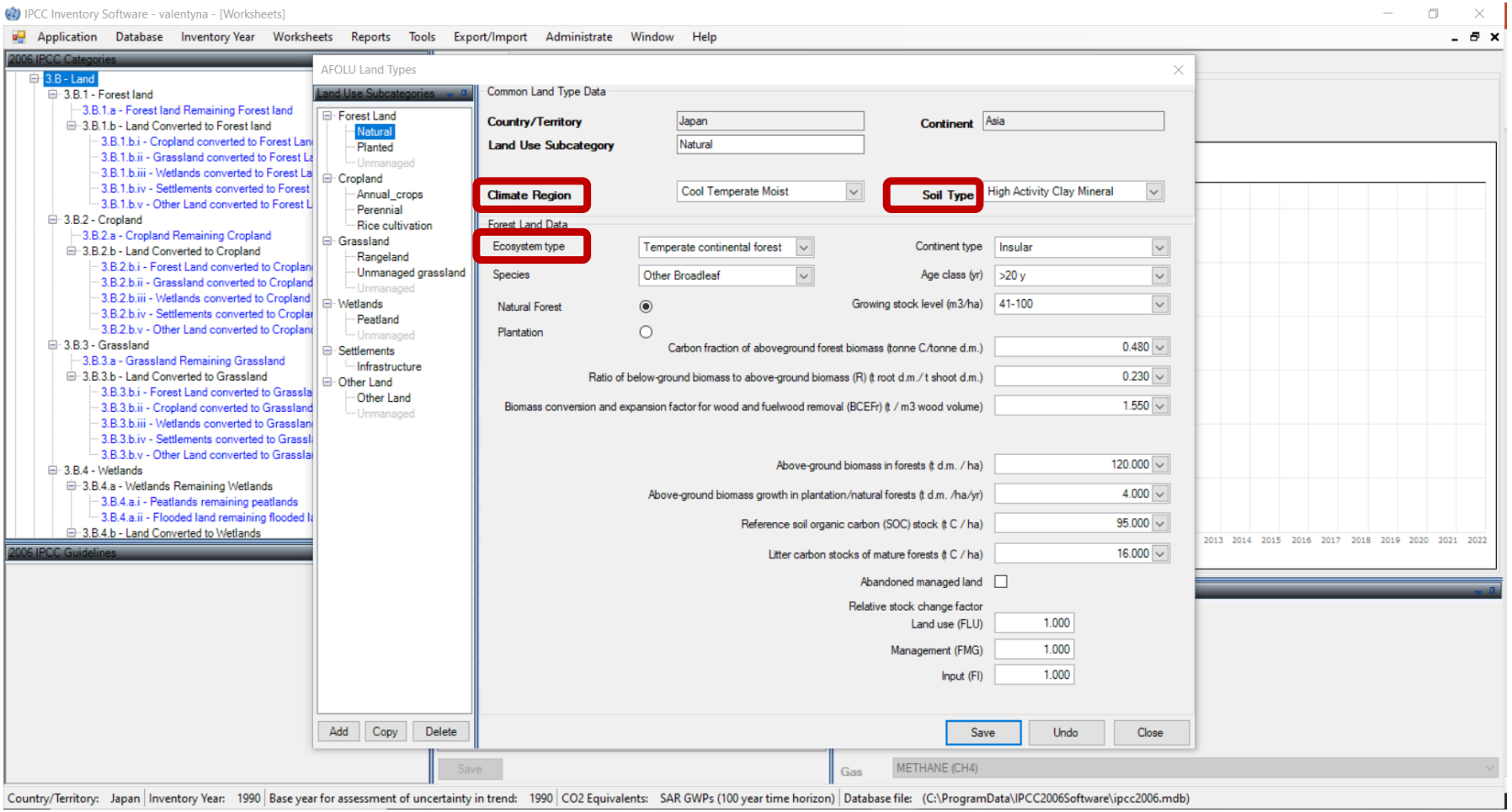
✓ climate

✓ 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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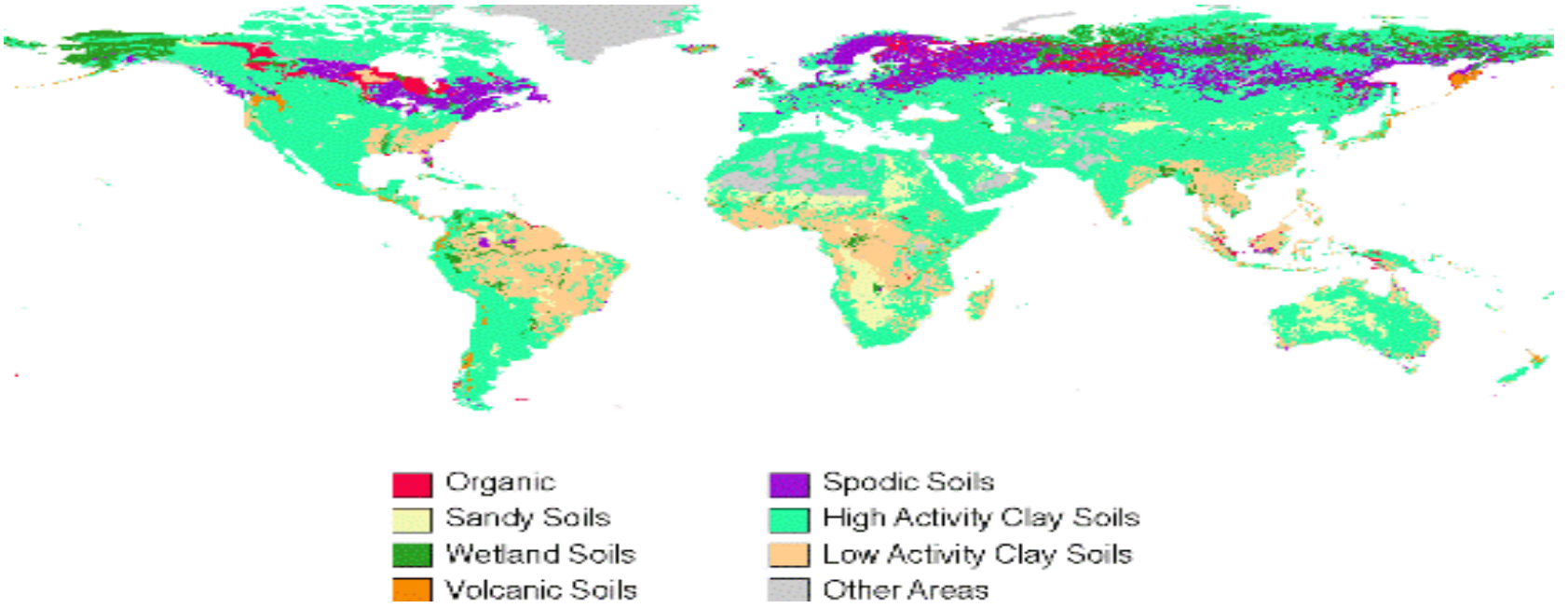
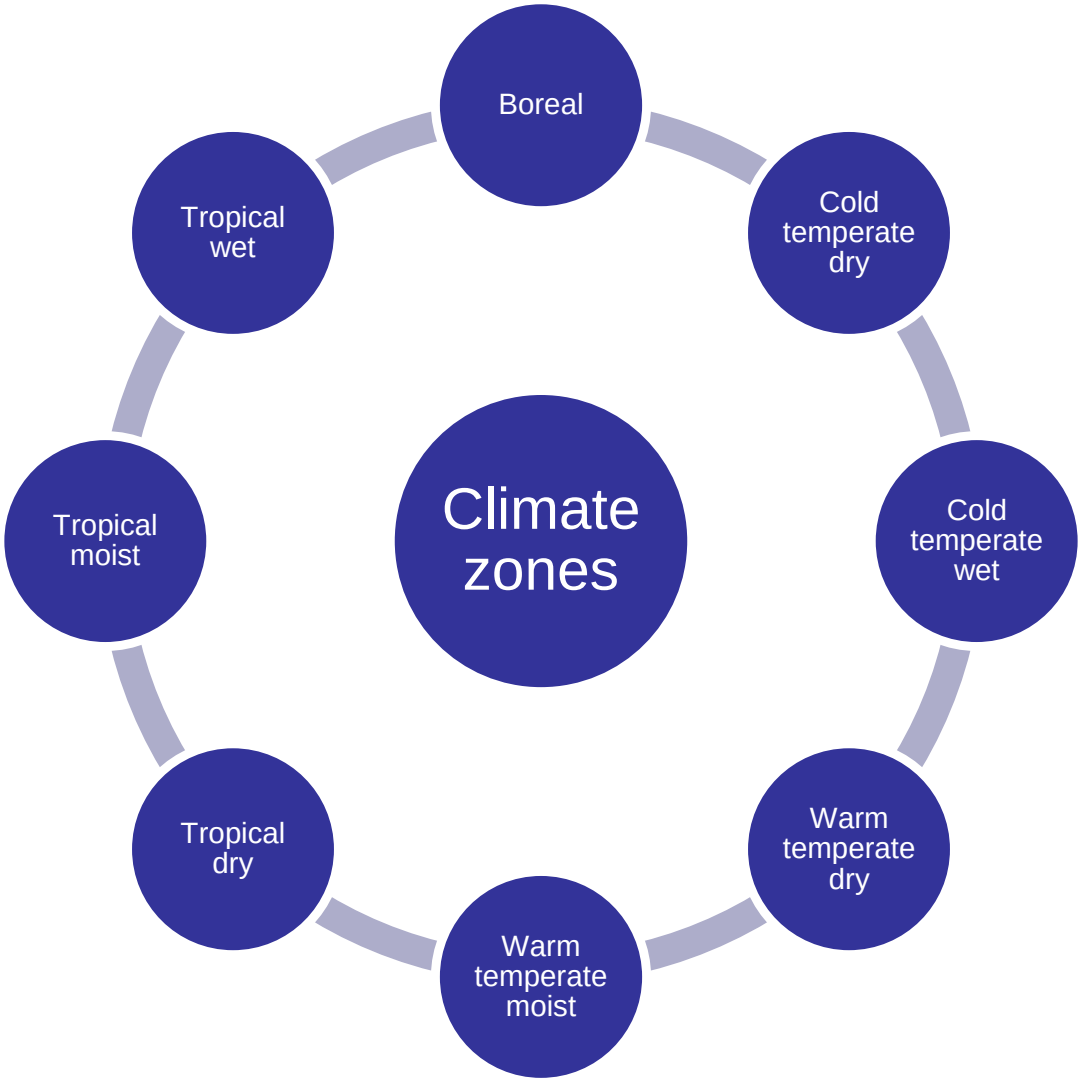
Land Stratification – Bio-physical Characteristics

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



* derived from the World Harmonized Soil Database

Land Stratification – Bio-physical Characteristics



Land Stratification – Bio-physical Characteristics

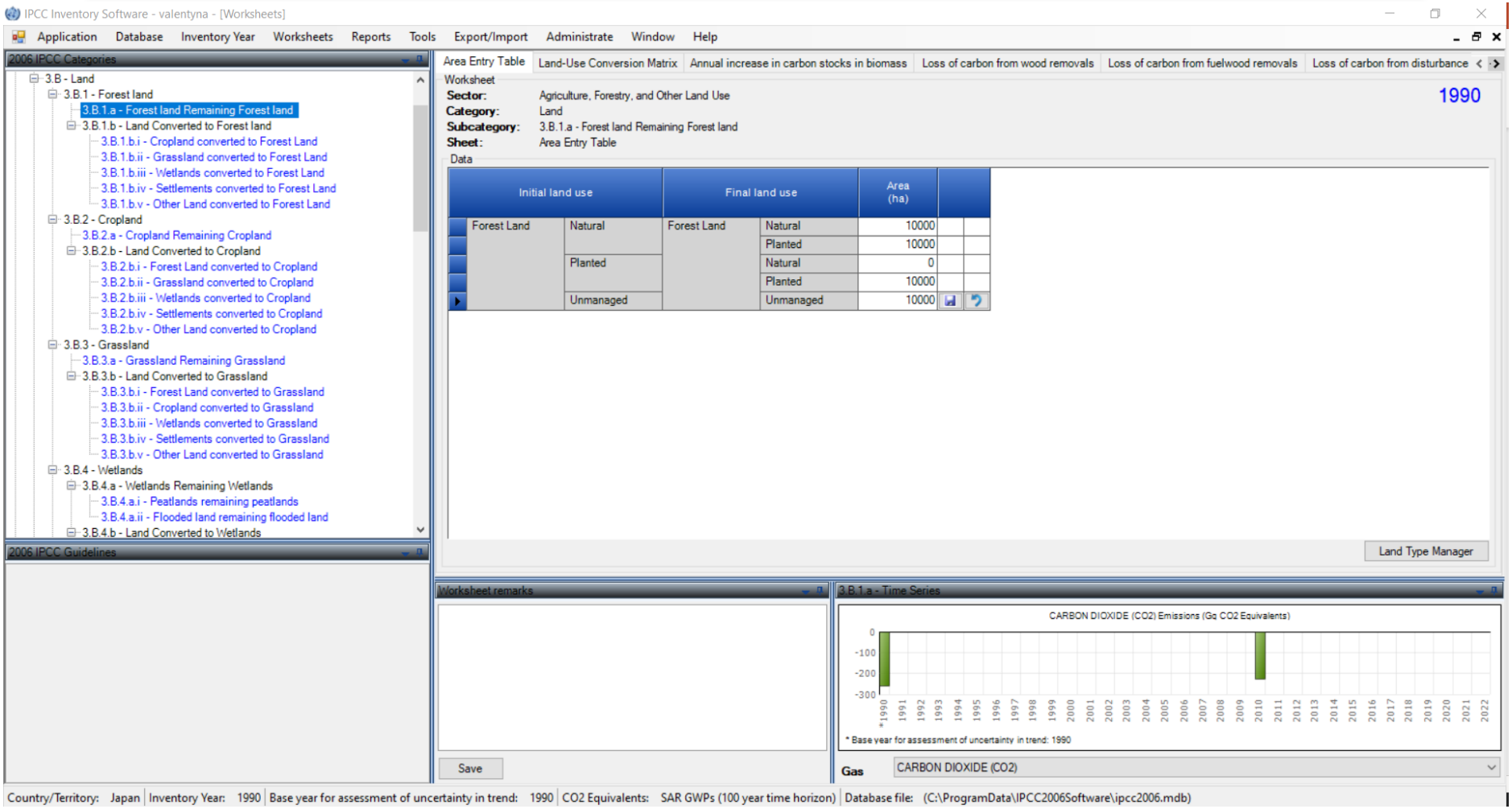
Global Ecological Zones (GEZ)*

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

AFOLU Specific Worksheets

3.B Land (3.B.1 – Forest Land)



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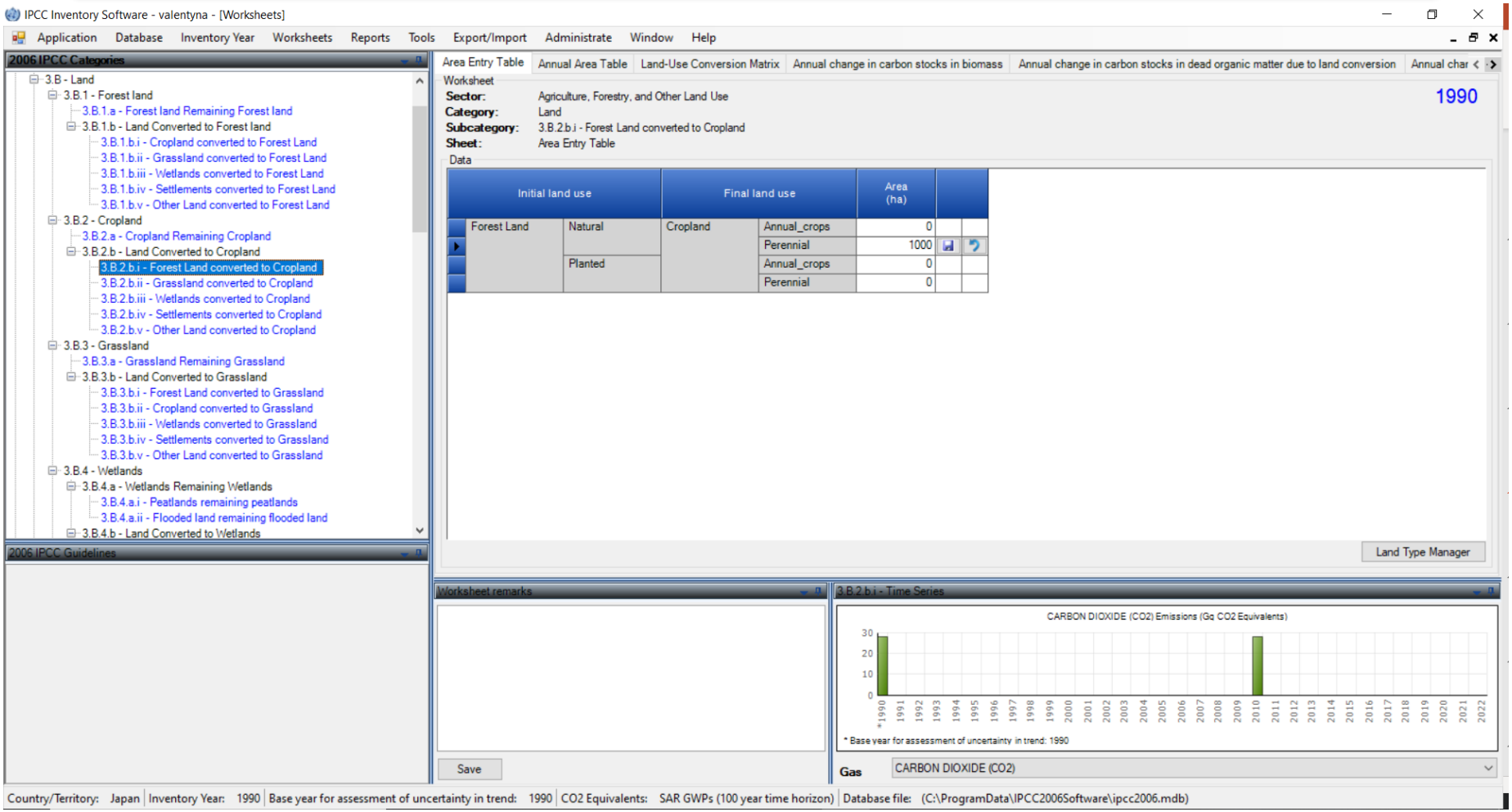
AFOLU Specific Worksheets

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



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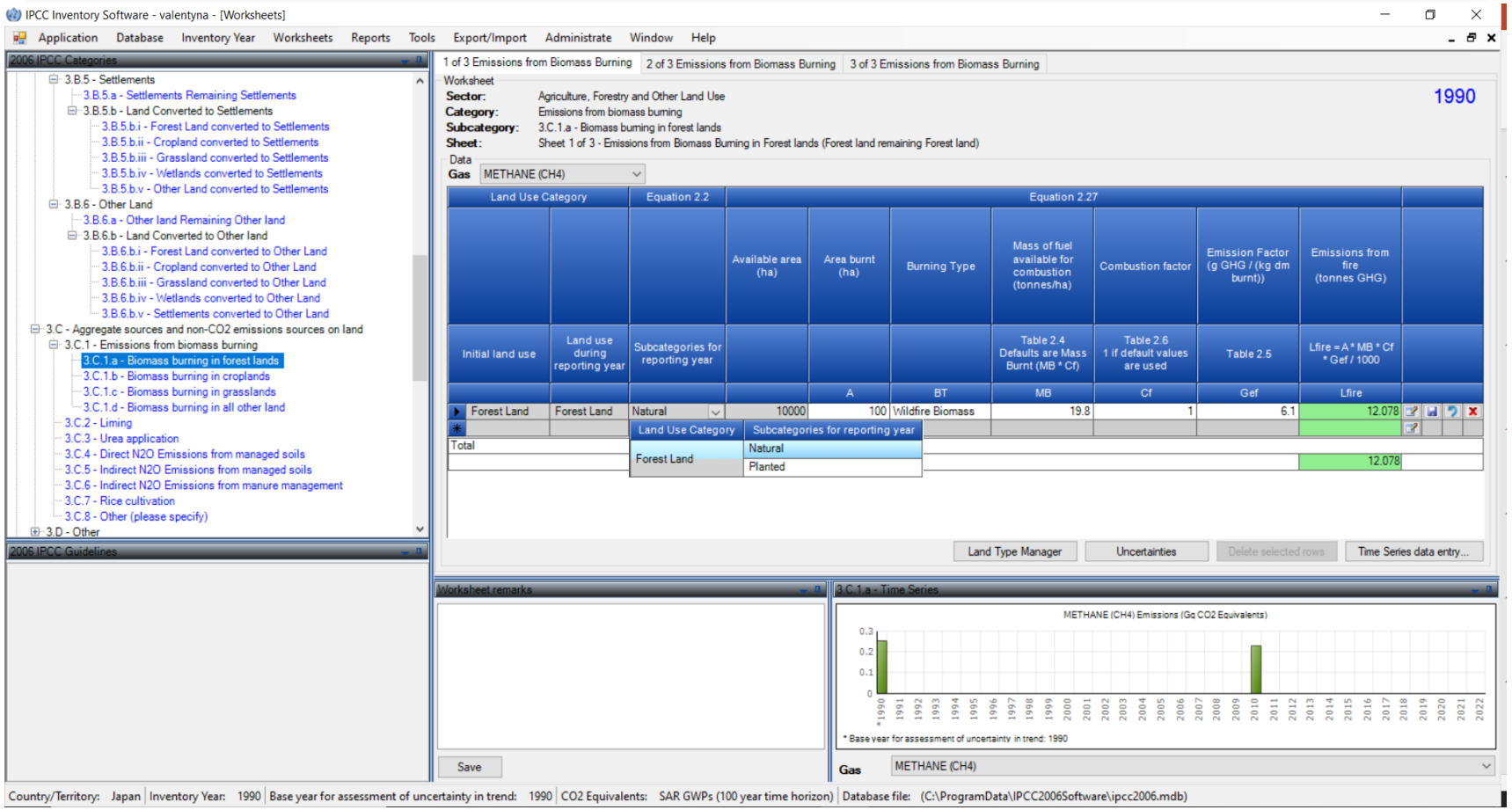
3.C Aggregate Sources and non-CO_2 Emissions Sources on Land

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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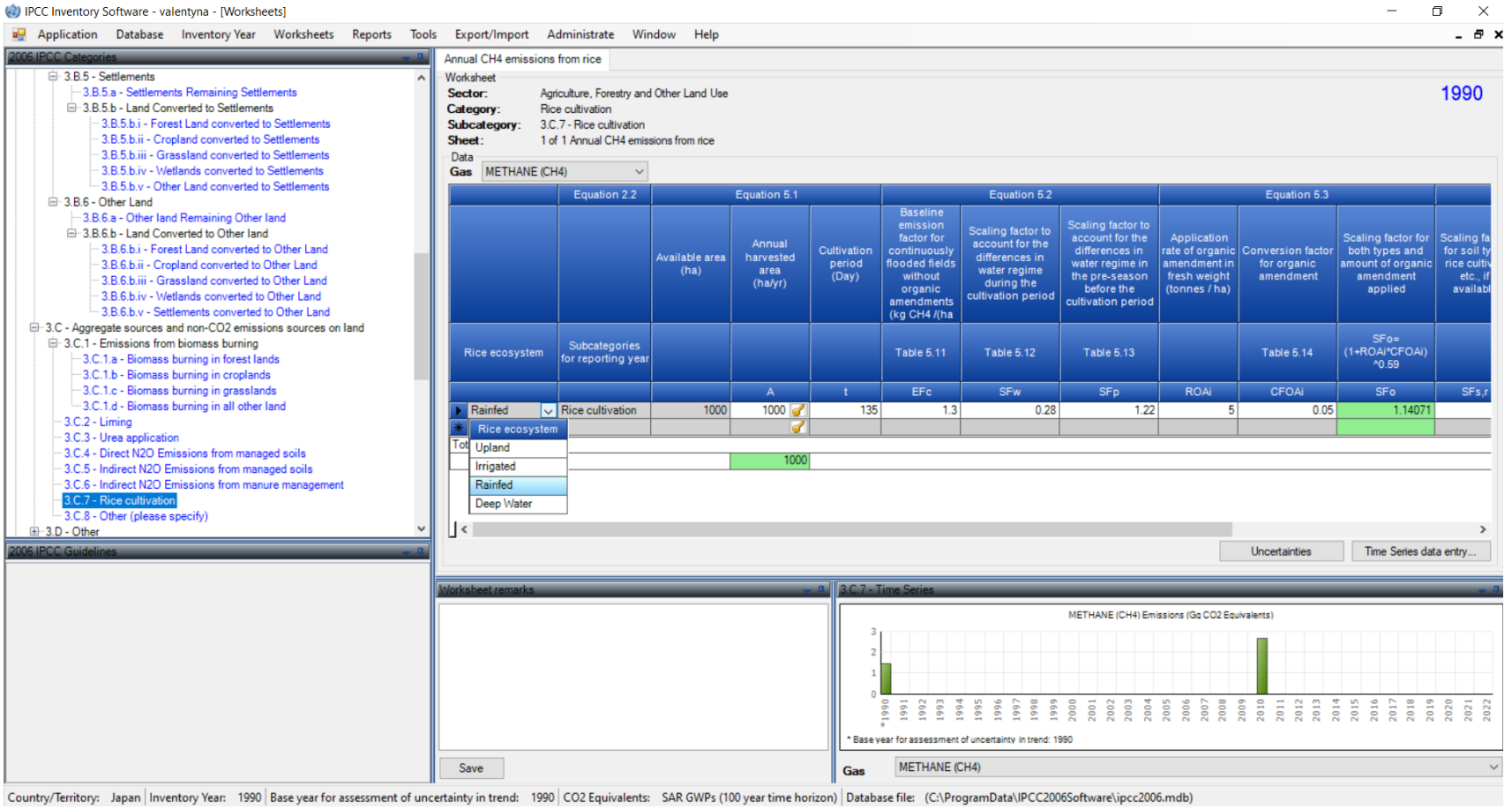
AFOLU Specific Worksheets

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!