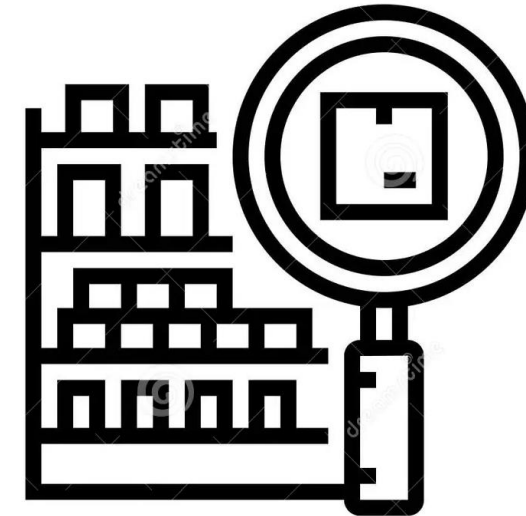


Training on 2006 IPCC Guidelines for preparing National GHG Inventory: Energy and Waste Sector

Present By:

Eng. H. M. Buddika Hemashantha

International MRV Transparency
Advisor to CBIT-GSP



Inventory Compilation

*Organized by the Capacity Building Initiative for
Transparency
Global Support Programme (CBIT-GSP)*



Contents

1. Share the Database
2. Export and Import Worksheets

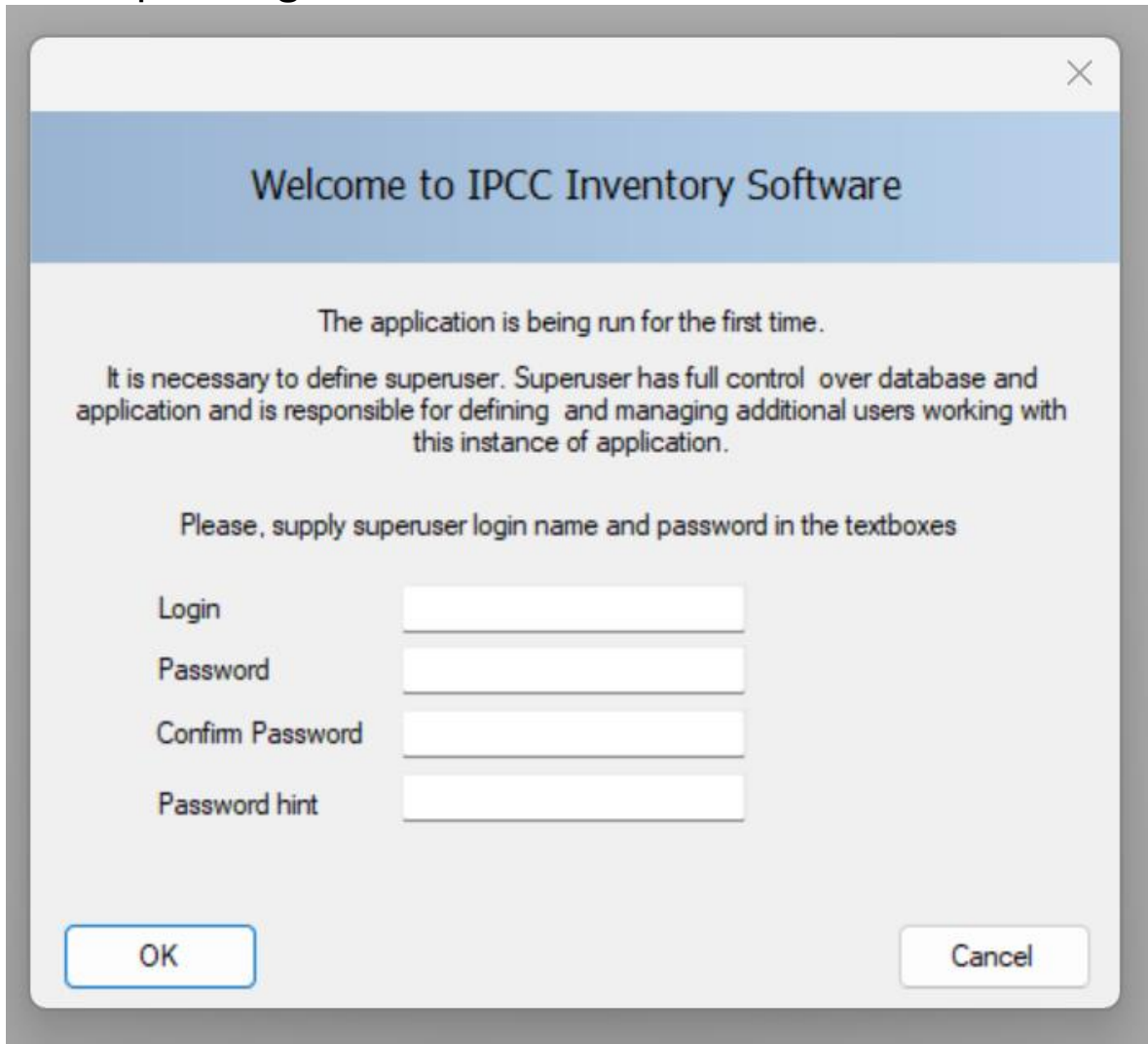


copenhagen
climate centre

1. Share the Database

Define Superuser

- Define a Superuser that is responsible for defining additional users and has full control over the application and corresponding database



Welcome to IPCC Inventory Software

The application is being run for the first time.

It is necessary to define superuser. Superuser has full control over database and application and is responsible for defining and managing additional users working with this instance of application.

Please, supply superuser login name and password in the textboxes

Login

Password

Confirm Password

Password hint

OK Cancel

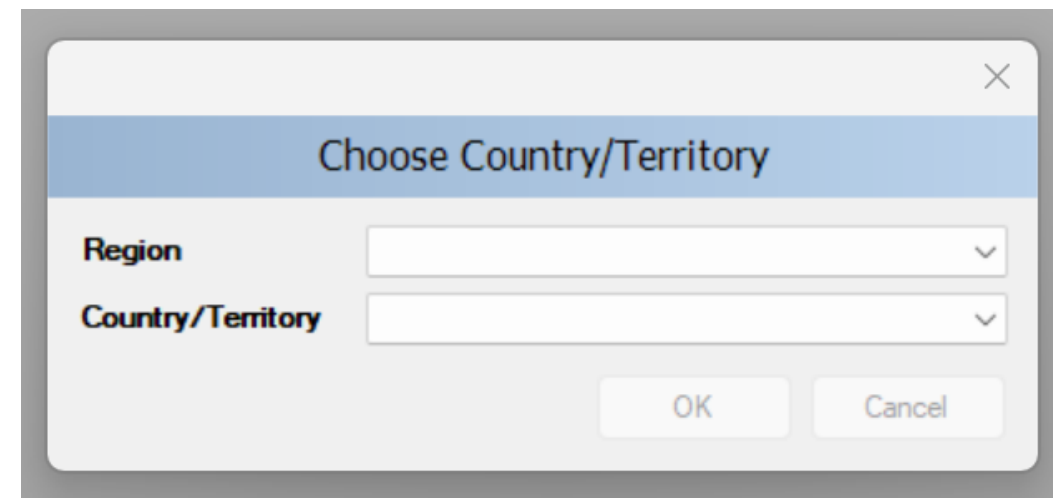


Login	Superuser_PHL
Password	Philippines

Choose country

- It is necessary to choose desired Region and Country/Territory

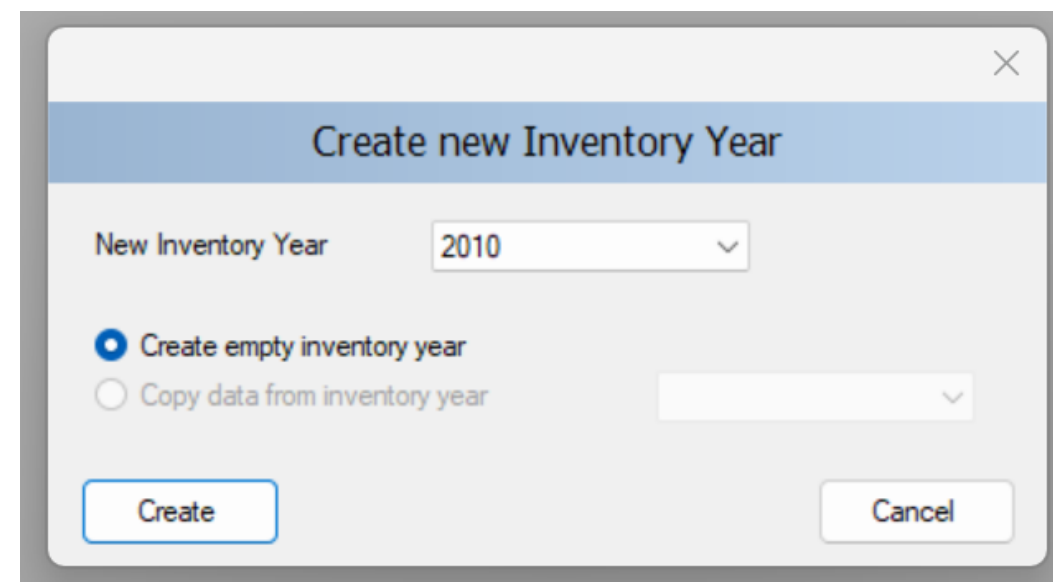
Region	Asia
Country/Territory	Philippines



The screenshot shows a dialog box titled "Choose Country/Territory". It contains two dropdown menus: "Region" and "Country/Territory". Below the dropdowns are two buttons: "OK" and "Cancel".

Create Inventory Year

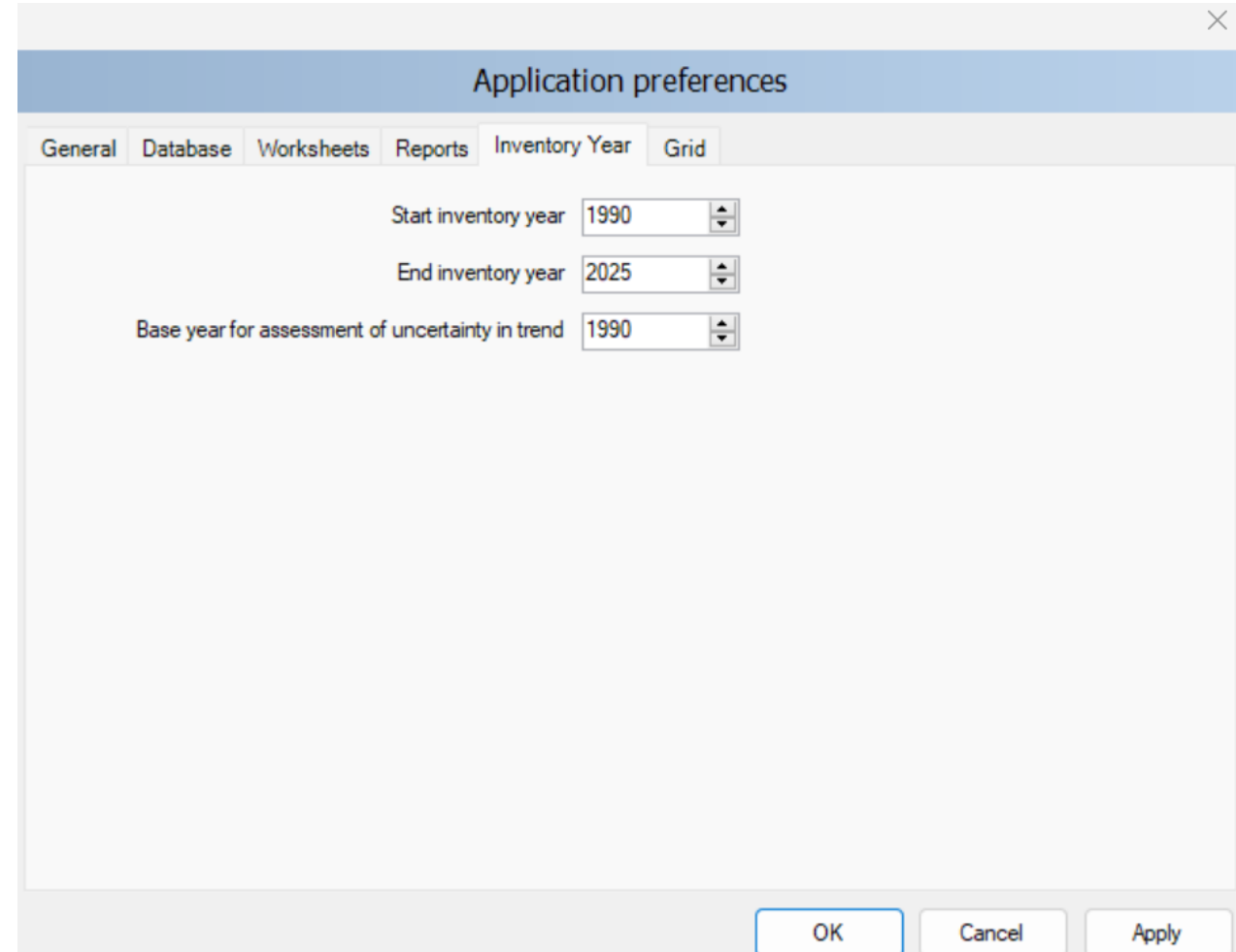
- it is necessary to create an initial Inventory Year



The screenshot shows a dialog box titled "Create new Inventory Year". It contains a dropdown menu for "New Inventory Year" with the value "2010" selected. Below this are two radio buttons: "Create empty inventory year" (which is selected) and "Copy data from inventory year". To the right of the second radio button is a dropdown menu. At the bottom of the dialog are two buttons: "Create" and "Cancel".

Check and modify Inventory Preferences

- Use the Application / Preferences menu to access Application preferences
- Check and modify the following values, if necessary:
 - 1) Use the Start inventory year numeric box to set the starting inventory year. The default is 1990.
 - 2) Use the End inventory year numeric box to set the ending inventory year. The default is the current year.
 - 3) Use Base Year for assessment of uncertainty in trend numeric box to define Base Year for assessment of uncertainty in trend. The default is 1990.



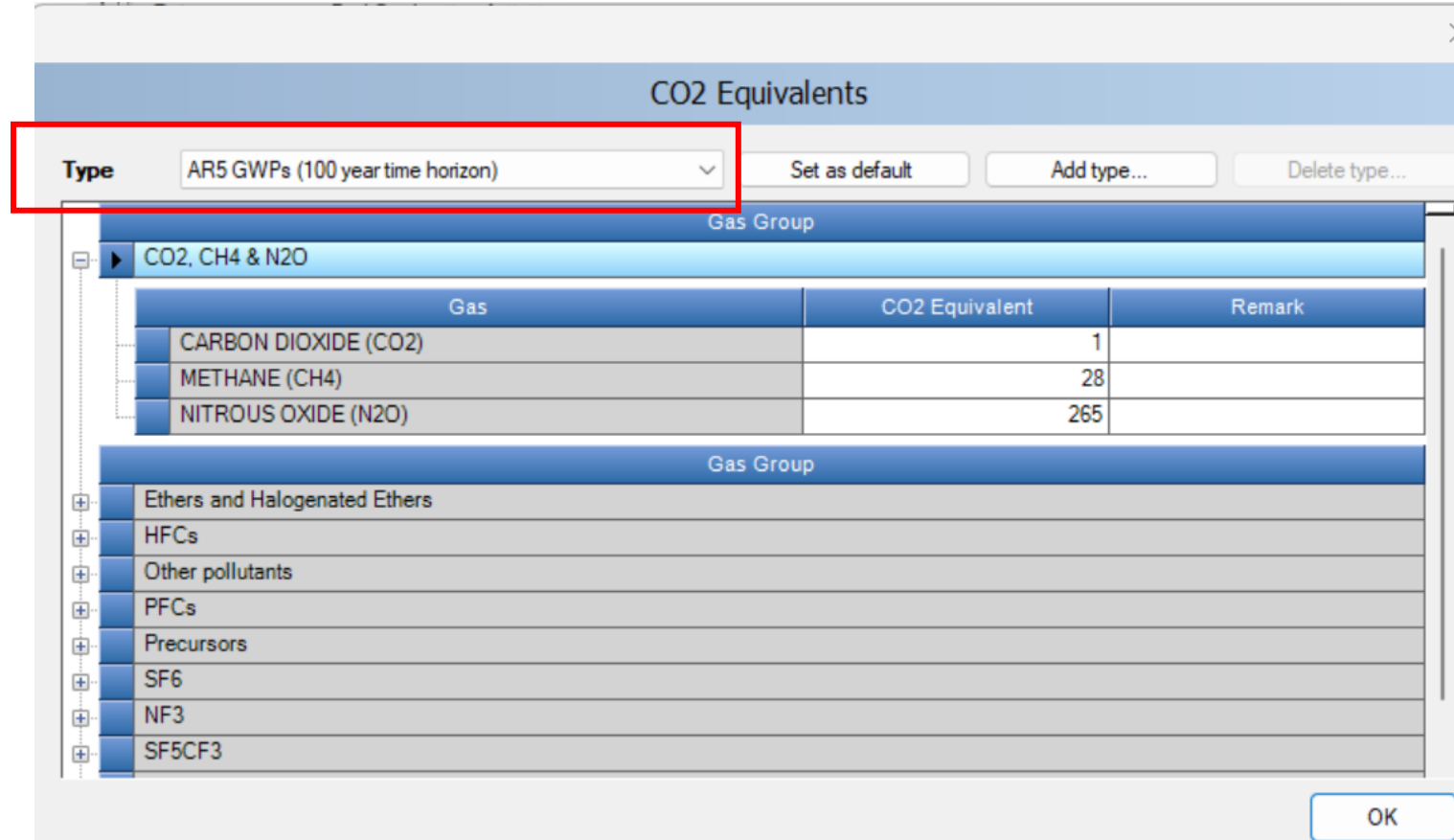
The screenshot shows a dialog box titled "Application preferences" with a close button (X) in the top right corner. The dialog has several tabs: "General", "Database", "Worksheets", "Reports", "Inventory Year", and "Grid". The "Inventory Year" tab is selected. Inside the dialog, there are three numeric input fields with dropdown arrows:

- "Start inventory year" is set to 1990.
- "End inventory year" is set to 2025.
- "Base year for assessment of uncertainty in trend" is set to 1990.

At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Apply".

Check and set default CO₂ Equivalents

- Currently, active (default) CO₂ Equivalent Type is indicated in the status bar located at the bottom of the main software window.
- Use Administrate / CO₂ Equivalents menu to access management of CO₂ Equivalents.
- The Type list contains 4 fixed types with fixed CO₂ Equivalent values, that cannot be changed or deleted:
 - SAR GWPs
 - TAR GWPs
 - AR4 GWPs
 - AR5 GWPs – these are set as default



The screenshot shows the 'CO2 Equivalents' management window. At the top, the 'Type' dropdown menu is set to 'AR5 GWPs (100 year time horizon)'. Below this, there are buttons for 'Set as default', 'Add type...', and 'Delete type...'. The main area displays a list of gas groups and their corresponding CO2 equivalent values.

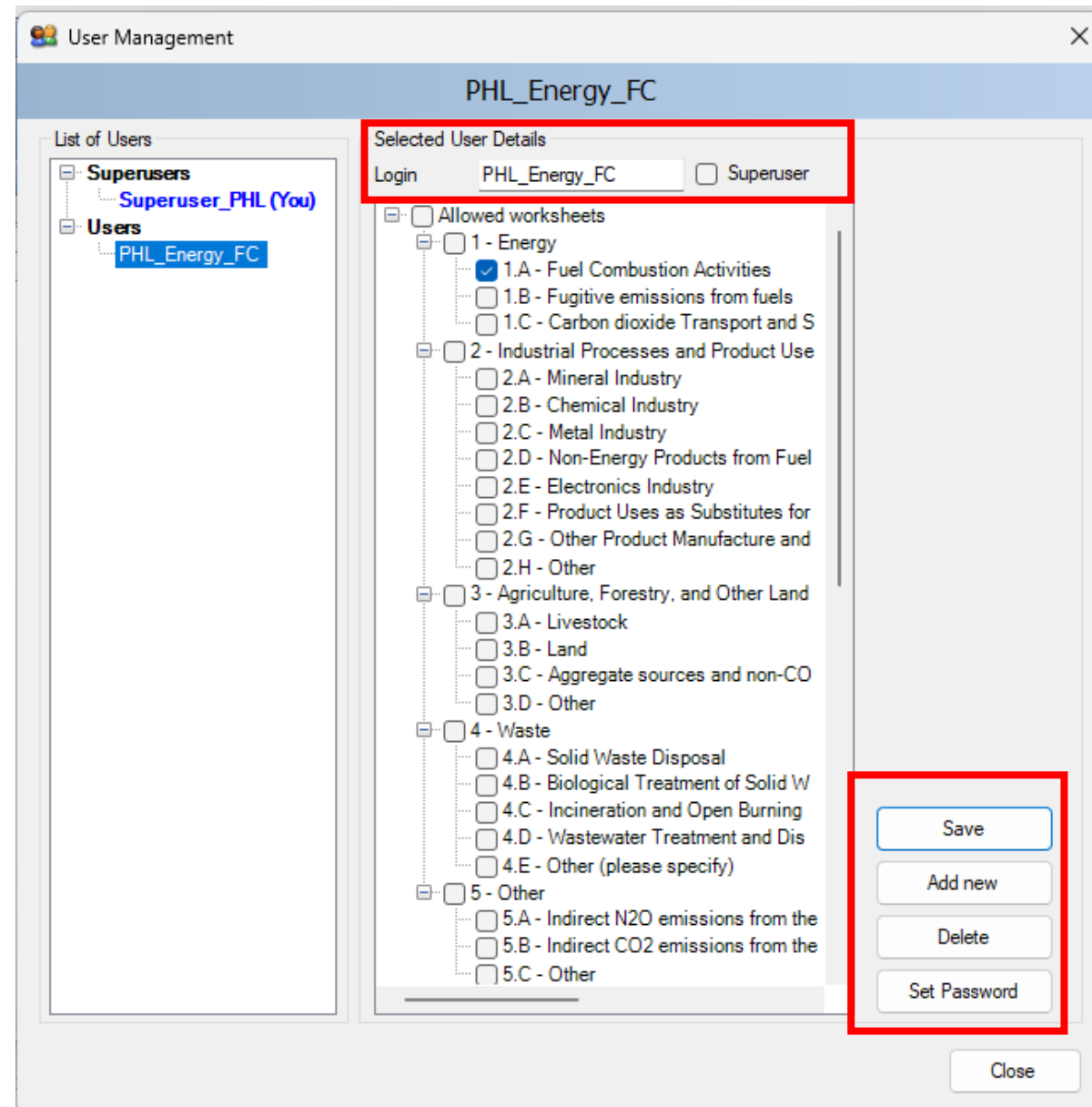
Gas Group		
Gas	CO2 Equivalent	Remark
CO2, CH4 & N2O		
CARBON DIOXIDE (CO2)	1	
METHANE (CH4)	28	
NITROUS OXIDE (N2O)	265	
Gas Group		
Ethers and Halogenated Ethers		
HFCs		
Other pollutants		
PFCs		
Precursors		
SF6		
NF3		
SF5CF3		

An 'OK' button is located at the bottom right of the window.

Adding new user

- Use Administrate / Users menu to access User Management system which is designated for adding new users and editing and deleting existing users in the currently open database.

- Enter the desired unique login name into the Login textbox
- Use the Superuser checkbox to define the user as a Superuser (checked) or ordinary user (unchecked)
- In the case of ordinary users define Allowed Worksheets for the user to work with
- Click the Set password button to explicitly set the password for new user
- Click the Add new button to save a new user into the database



User Management

PHL_Energy_FC

List of Users

- Superusers
 - Superuser_PHL (You)
- Users
 - PHL_Energy_FC

Selected User Details

Login Superuser

Allowed worksheets

- 1 - Energy
 - 1.A - Fuel Combustion Activities
 - 1.B - Fugitive emissions from fuels
 - 1.C - Carbon dioxide Transport and S
- 2 - Industrial Processes and Product Use
 - 2.A - Mineral Industry
 - 2.B - Chemical Industry
 - 2.C - Metal Industry
 - 2.D - Non-Energy Products from Fuel
 - 2.E - Electronics Industry
 - 2.F - Product Uses as Substitutes for
 - 2.G - Other Product Manufacture and
 - 2.H - Other
- 3 - Agriculture, Forestry, and Other Land
 - 3.A - Livestock
 - 3.B - Land
 - 3.C - Aggregate sources and non-CO
 - 3.D - Other
- 4 - Waste
 - 4.A - Solid Waste Disposal
 - 4.B - Biological Treatment of Solid W
 - 4.C - Incineration and Open Burning
 - 4.D - Wastewater Treatment and Dis
 - 4.E - Other (please specify)
- 5 - Other
 - 5.A - Indirect N2O emissions from the
 - 5.B - Indirect CO2 emissions from the
 - 5.C - Other

Save

Add new

Delete

Set Password

Close

List of Users

Superusers

contains the list of all Superusers. The user marked blue represents the currently logged-in user.

The following restrictions apply to Superusers:

- Currently logged-in user is prohibited from removing themselves from the Superusers group for security reasons.
- Currently logged-in user is prohibited to delete itself
- All worksheets are allowed automatically without the possibility of changing the list of allowed worksheets

Users

contains the list of ordinary users.

The following restrictions apply:

- Access to the Administrate section of the software is prohibited
- Can see and edit only worksheets specified as Allowed Worksheets

Exercise 01

Please use the downloaded database and credentials for the respective sectors for data entering and compilation

Sector	Login Name	Password
Energy- 1. A- Fuel combustion activities	PHL_Energy_FC	PHLEnergyFC
Energy- 1.B- Fugitive Emissions	PHL_Energy_FE	PHLEnergyFE
Waste- Solid waste disposal	PHL_SolidWaste	PHLSolidWaste
Waste- Biological treatment & Incineration	PHL_Boi&Inc	PHLBoi&Inc
Waste- Wastewater	PHL_WasteWater	PHLWasteWater

Database-

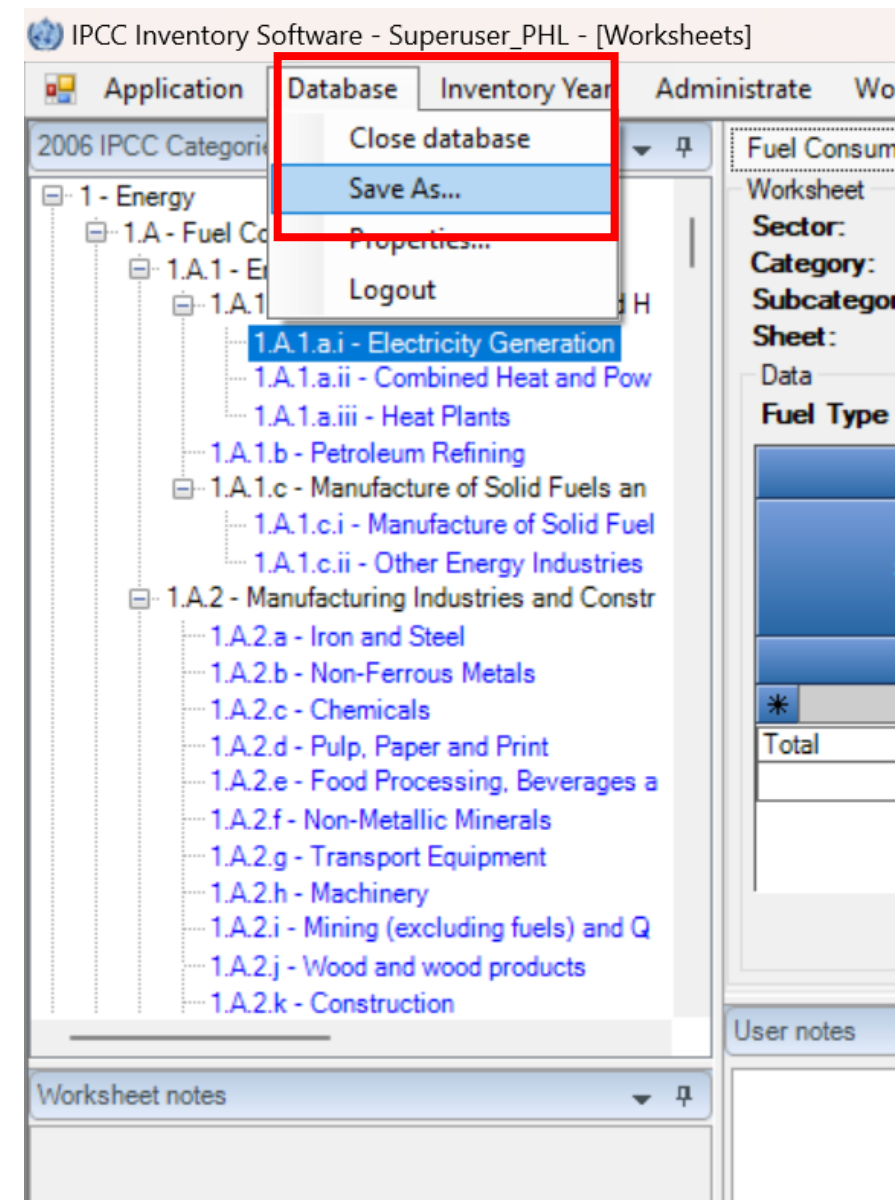
<https://climatesi.sharepoint.com/:u:/s/ClimateSI/EU7Sfa-21z9Gv9UChXFPNw8B0wrcHyZzo5Z5bCj8ma1FeQ?e=4LdA7c>

Saving database

Use the “Database / Save As...” menu to save the currently open database to a new file:

- Select destination folder and file
- Choose whether to remove password protection (see note below)
- Decide whether to compress (ZIP) database file (compressed database file must be uncompressed (unzipped) before opening it in the software).

NOTE: Do not remove password protection. Removing the password protection will prevent the database from opening in the software (Software strictly accepts password protected database only for security reasons)



Share one database vs. maintaining multiple databases

Share database file on a network drive

copy the created database file to some shared folder on the network, where other inventory compilers have read/write access. This alternative is strongly recommended because after making administrative changes, all compilers are automatically affected.

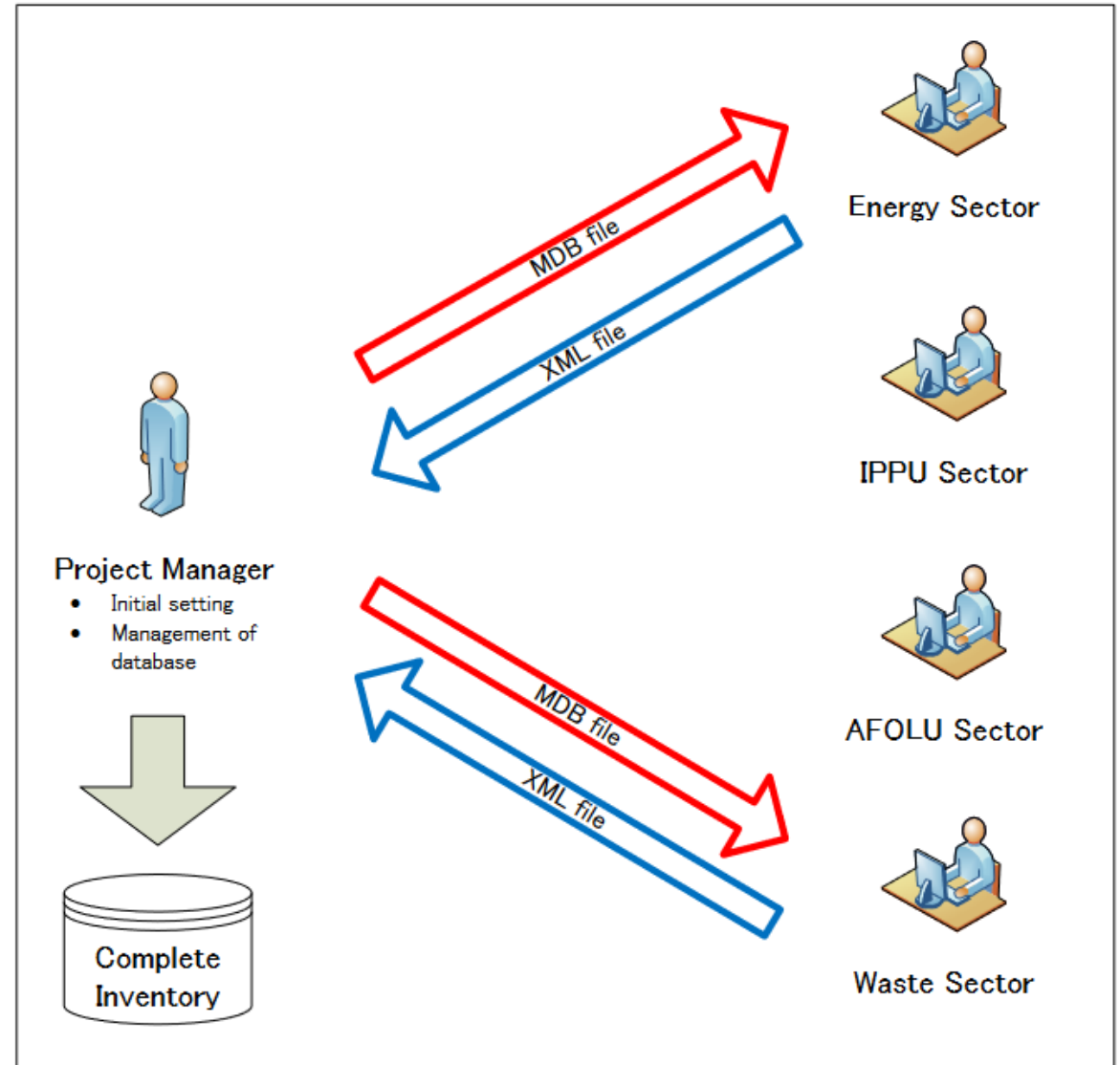
Share a copy of the database file via e-mail

Send a copy of the created database file to each of the inventory compilers (e.g. via e-mail). Administrative changes must be performed within each copy of the database to maintain consistency across inventory compilers. This approach can easily lead to inconsistency amongst compilers and therefore is not recommended.

Using the software in an inventory team

The safe and simple way to share the data between users is to share one database.

- 1) The project manager should initialize the database.
- 2) The project manager provides the database (ACCDB file) to each user.
- 3) After users update the data to their database, this data should be exported as XML file.
- 4) The manager imports the XML file to update the database.

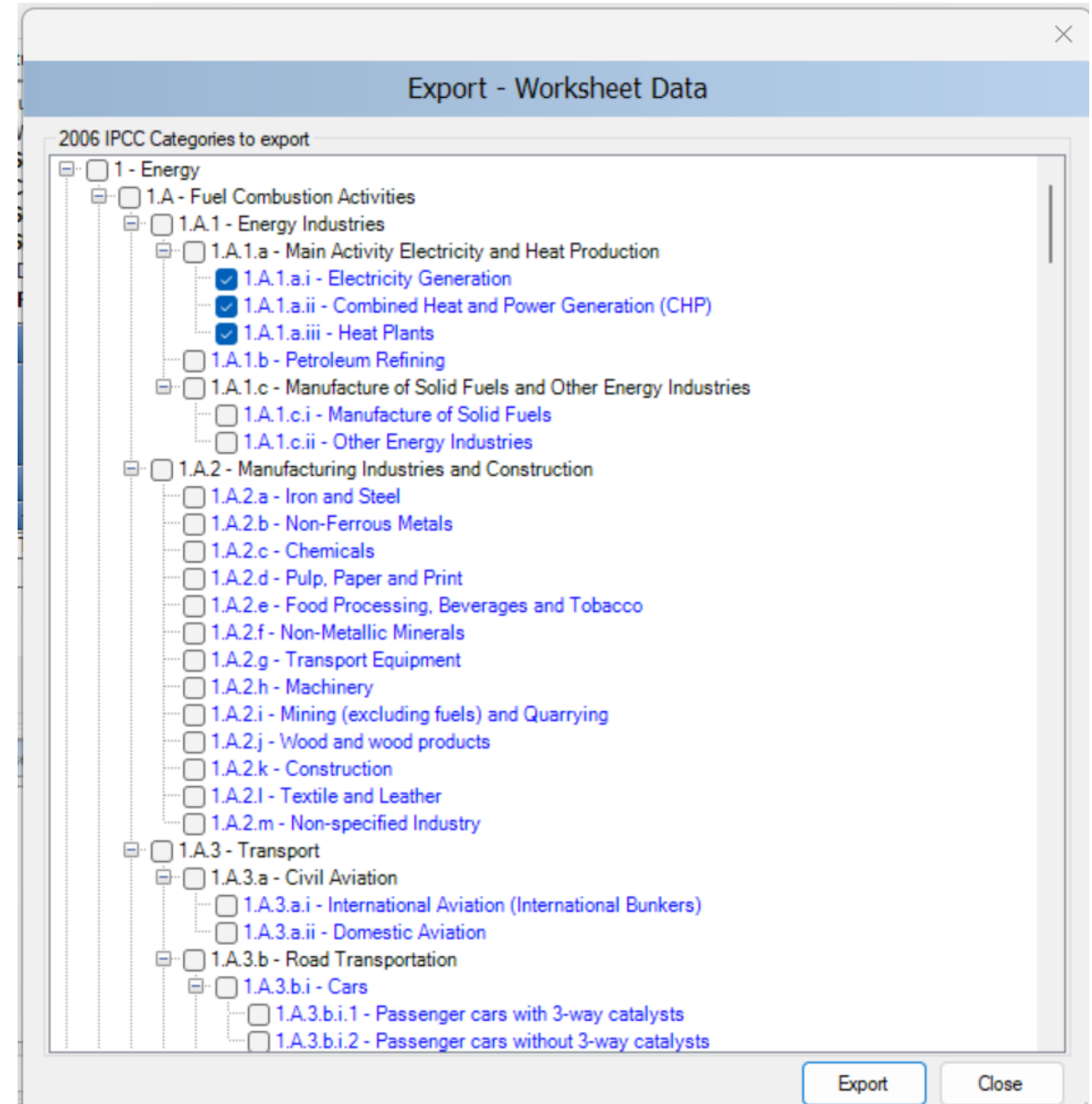


2. Export and Import Worksheets

Export Worksheet Data

This menu item opens the dialog box that allows selecting and exporting part of the current inventory year, i.e. one or more sectors, sub-sectors, or categories into an XML file.

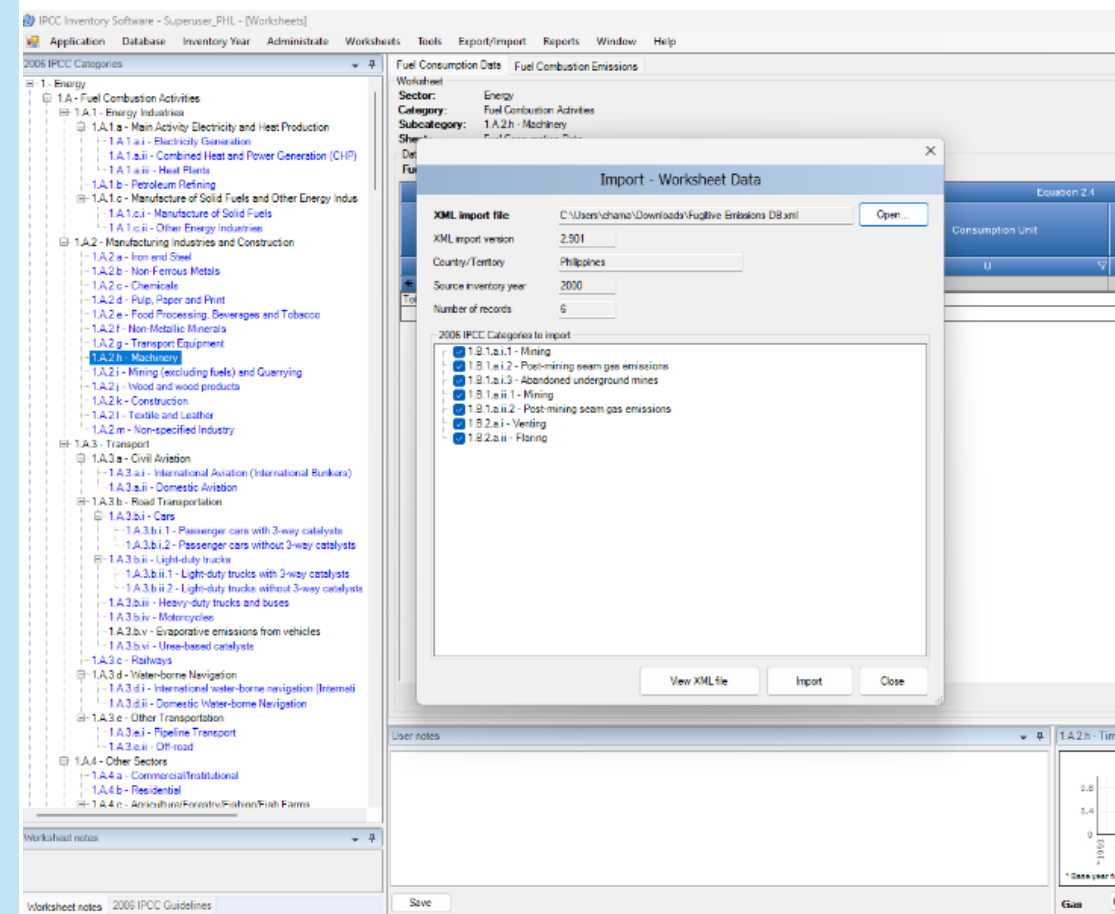
- 1) Select one or more categories of interest. Categories containing worksheets (data) are marked blue.
- 2) Click the Export button and supply the destination XML file when asked.



Import Worksheet Data

This menu item opens the dialog window that allows importing an XML file containing a part of an inventory, i.e. one or more sectors, sub-sectors or categories into the currently open database and currently chosen Inventory Year.

- 1) Click the Open button to browse for XML file to be imported.
- 2) Check the details such as XML Import Version, Source inventory year, and Number of records, and decide whether this import file suits your needs.
- 3) Section Categories to import contains the list of all categories included in the source XML file. Select the categories of interest to be imported. All categories are selected by default.
- 4) Click the Import button to begin importing. A progress bar will be shown to indicate the progress of import.





Eng. H.M. Buddika Hemashantha

MRV Transparency Advisor to CBIT GSP

+44 7359 23 7074, +94 770 320 110

buddika@climatesi.com