

IPCC Inventory Software

IPCC Side-event- IPCC-TFI tools for National GHGs Inventories

UN Climate Change Conference

Katowice, Poland 5 December 2018

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IPCC Inventory Software- Presentation Outline

- ➤ Part 1:-
- ✓ Overview/Introduction
- ✓ Structure of Software
- ✓ Key functions/features software
- **>** Part 2:-
- ✓ How to get started when using IPCC Inventory Software







Part 1: IPCC Inventory Software – Key Functions/Features





Introduction

- IPCC launched the Inventory Software in 2012
- The software implements the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
 - can assist countries in using the IPCC Guidelines
 - presentations explaining the 2006 IPCC Guidelines and other supporting materials are available at IPCC TFI website

https://www.ipcc-nggip.iges.or.jp/support/support.html

 The latest version of the software (version 2.54) implements Tier 2 methods in the 2006 IPCC Guidelines for Energy, Industrial Processes & Product Use and Waste sectors. Available at http://www.ipcc-nggip.iges.or.jp/software/index.html





Introduction

- Development to implement Tier 2 methods for the AFOLU sector is underway and includes Wetland Supplement (at Tier 1)
- Agriculture sector Tier 2 implementation for livestock categories was completed in 2018, new version of software with Tier 2 for livestock categories is expected first quarter of 2019.
- Work on implementation of Tier 2 for LULUCF categories is due to start (December – January)
- Implementation of Wetlands Supplement, is an extension to 2006 IPCC Guidelines dealing with new methodologies for calculating and reporting emissions for inland/coastal, drained/rewetted lands under Land Use sector (at Tier 1)



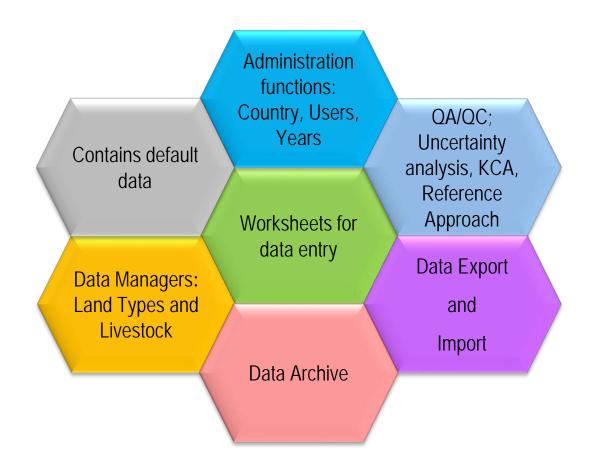
IPCC Inventory Software

- Database based and stand alone software
- Does not require internet access or expensive hardware
- Can be used for the whole inventory or just individual categories
- Allows different parts of inventory to be developed simultaneously
- Can be used for reporting under the *Revised 1996 Guidelines* or *2006 IPCC Guidelines*
- Aids QA/QC
- FREE





Software Functions

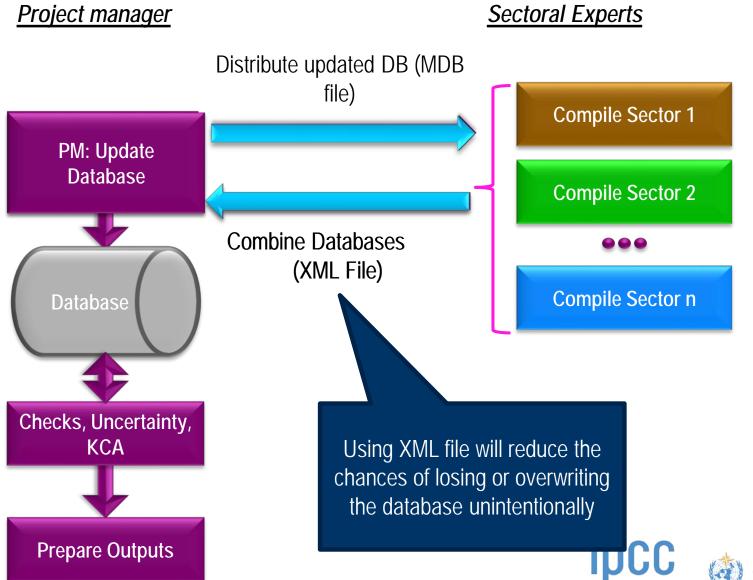






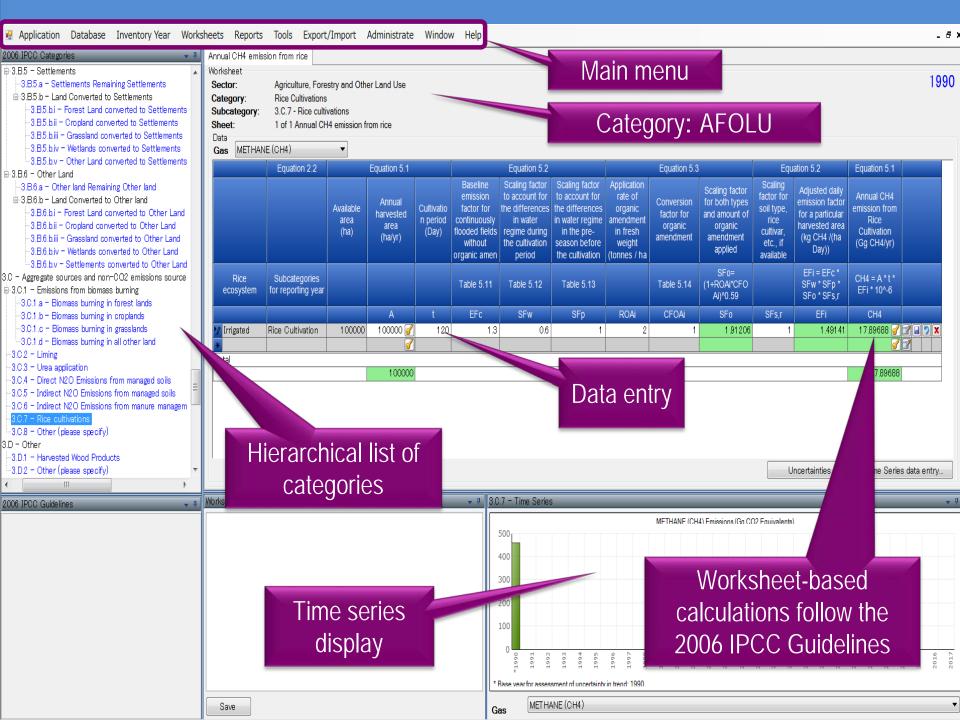


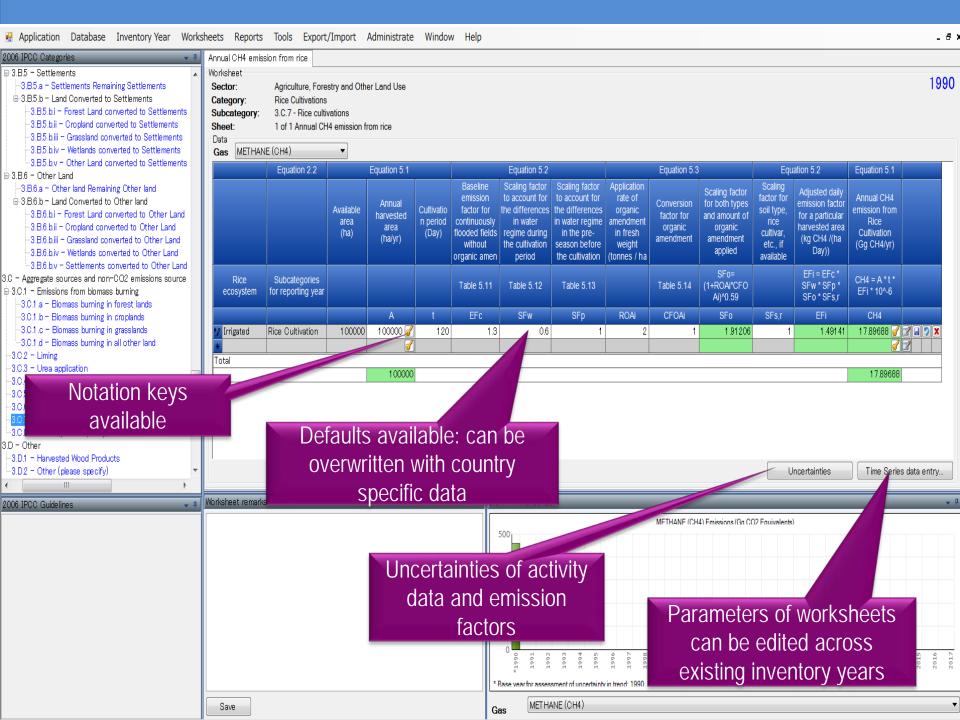
Multiple Users



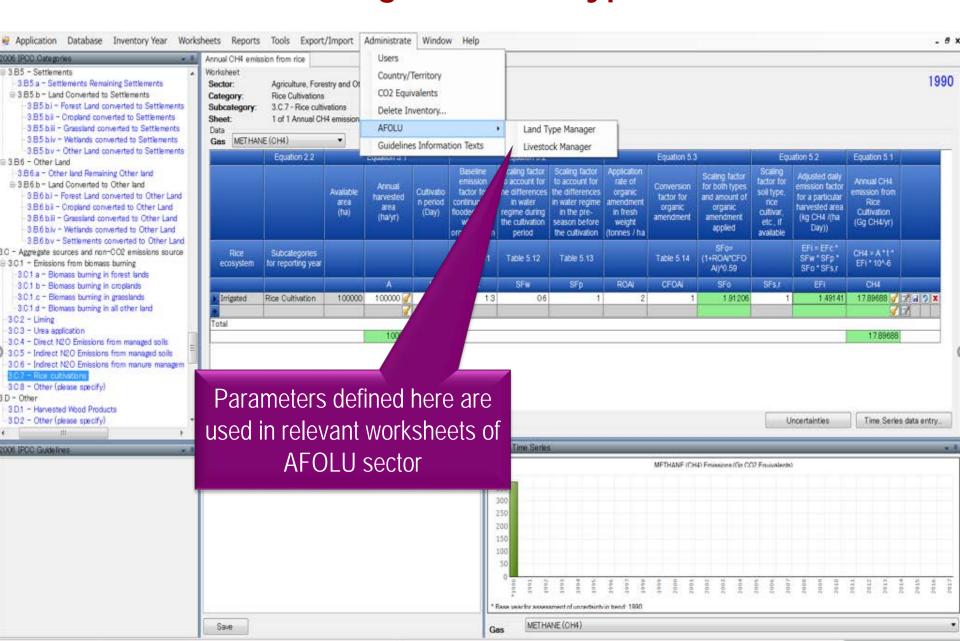


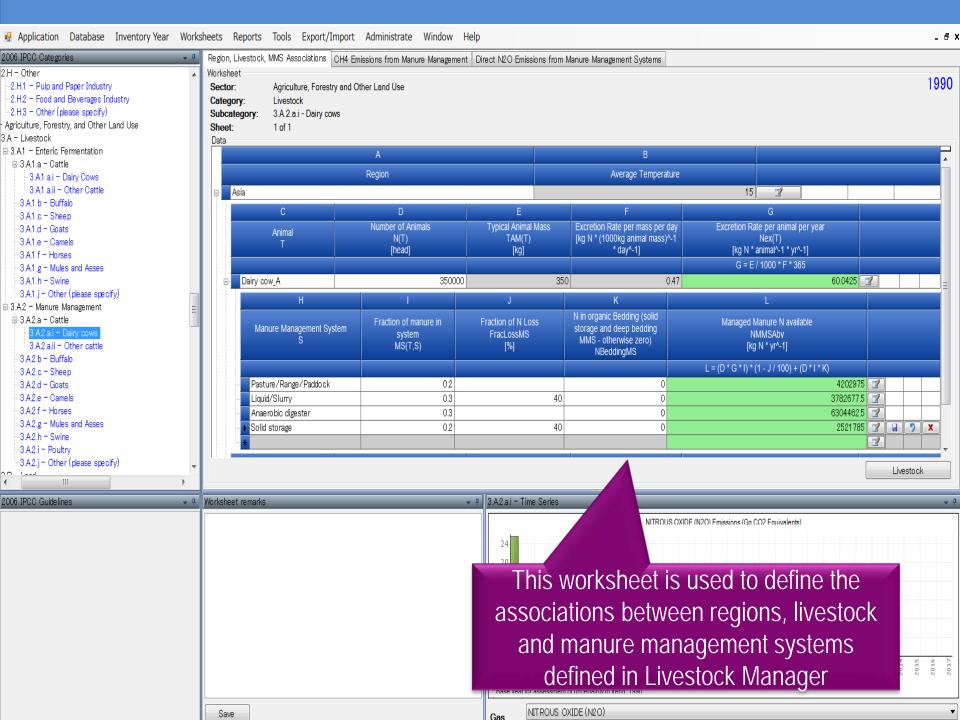




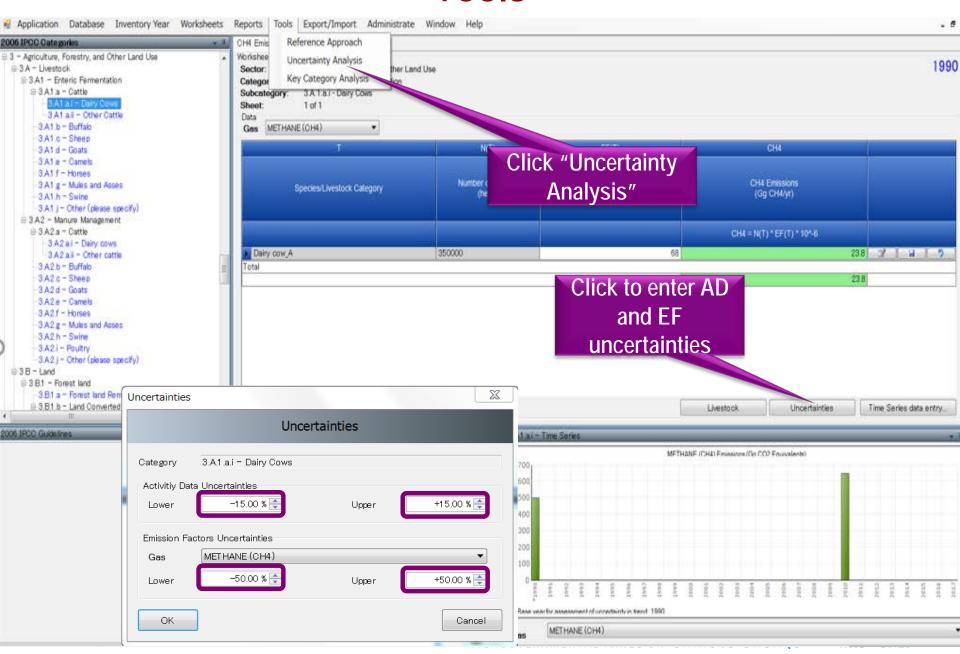


AFOLU Data Managers: Land Type and Livestock

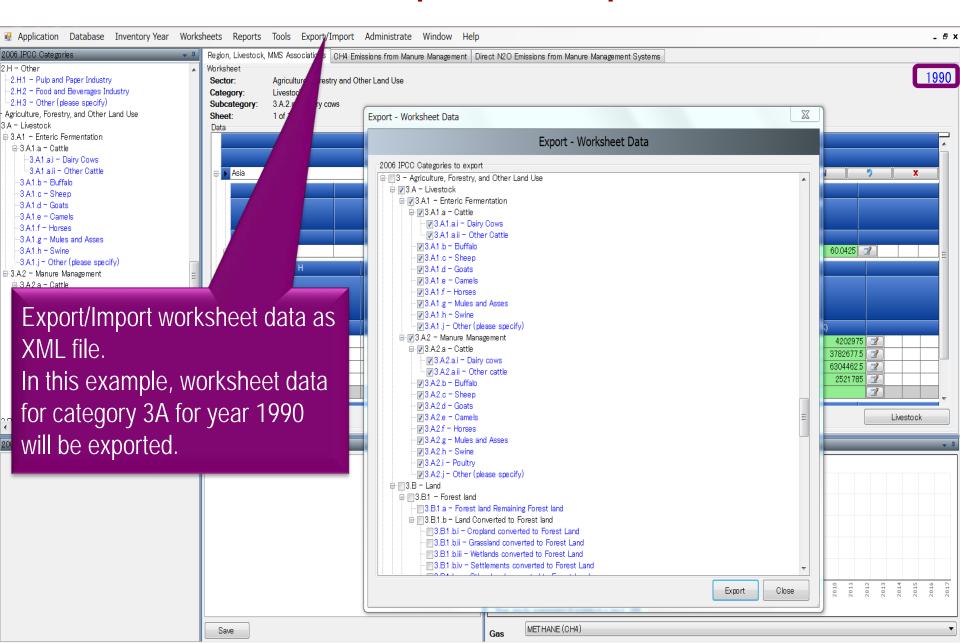




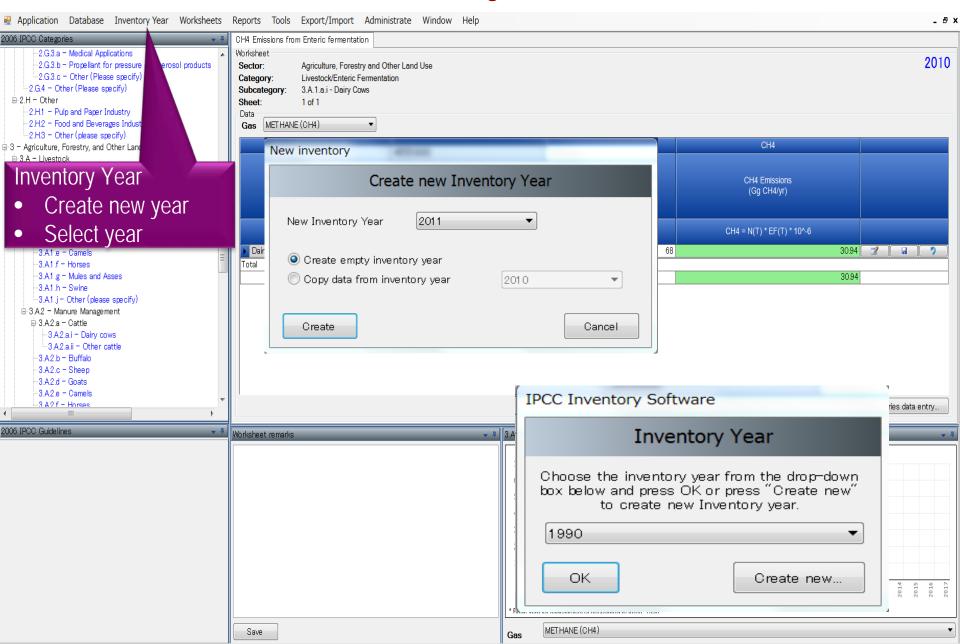
Tools



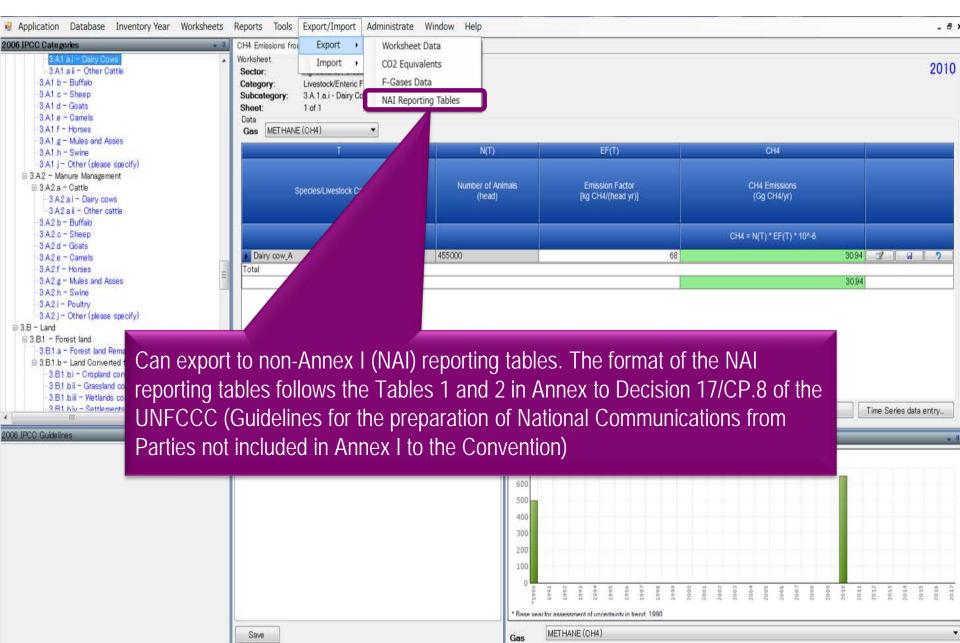
Data Export and Import



Inventory Years



Reports



Ongoing Activities

- Organizing expert meetings annually
- Continuing support to users
 - Help Desk: <u>ipcc-software@iges.or.jp</u>
 - Web Forum:https://discussions.zoho.com/ipccinventorysoftware/
- Work to incorporate Tier 2 methods for AFOLU sector is underway





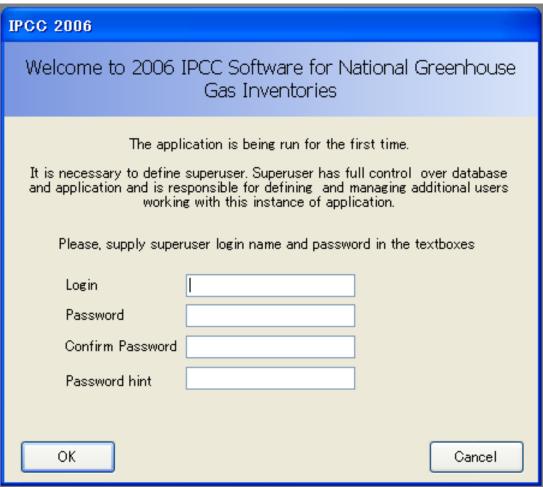
Part 2: IPCC Inventory Software - Getting Started





Let's get started. – Define ID&PW





➤ Do not forget your login name & password!!!

Select Region & Country



> Select your region & country from the dropdown list.





Determine Initial Inventory Year

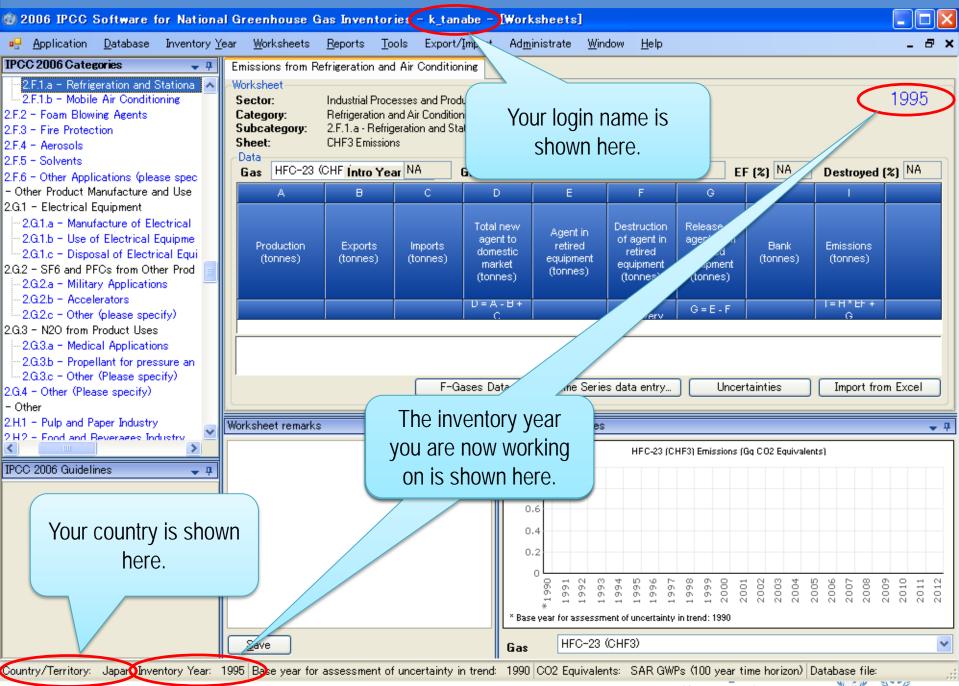


- ➤ Determine the year for which you are going to produce your national GHG inventory.
 - ✓ Determine the initial inventory year first.
 - ✓ The other years can be created later.

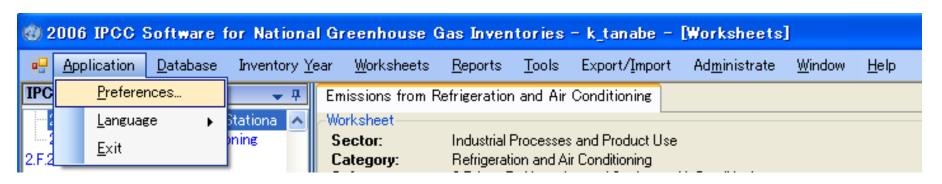








Adjust Configuration As You Like



- ➤ You can adjust configuration as you like using the menu "Application" "Preferences", e.g.:
 - ✓ Appearance of windows
 - ✓ Database management
 - ✓ Default number of decimal places in worksheets and reporting tables
 - ✓ Inventory years (from what year to what year)

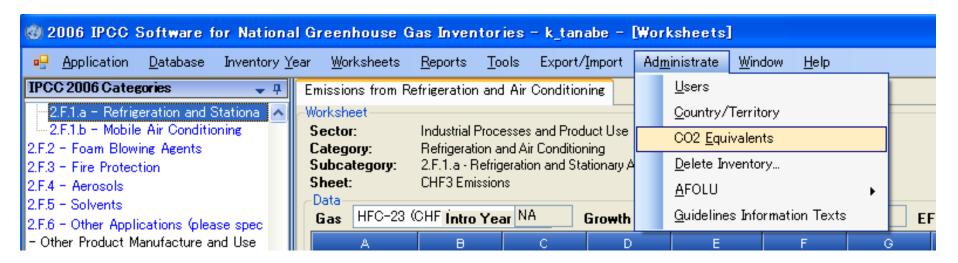


Determine Inventory Years



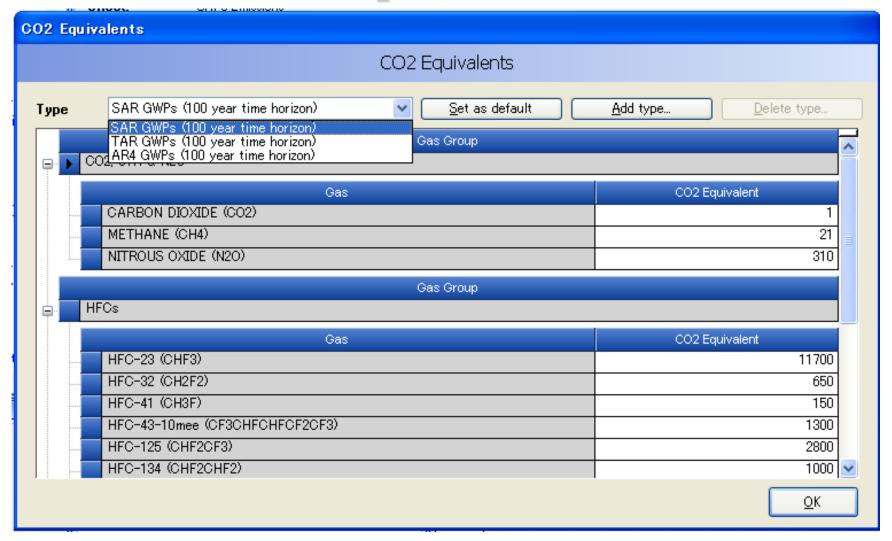
- ✓ Base year for assessment of uncertainty trend
 - This is used for uncertainty analysis and key category analysis.
 - This information is not used for this training, but let's set it to be 1995.

Determine CO₂-eq conversion factors

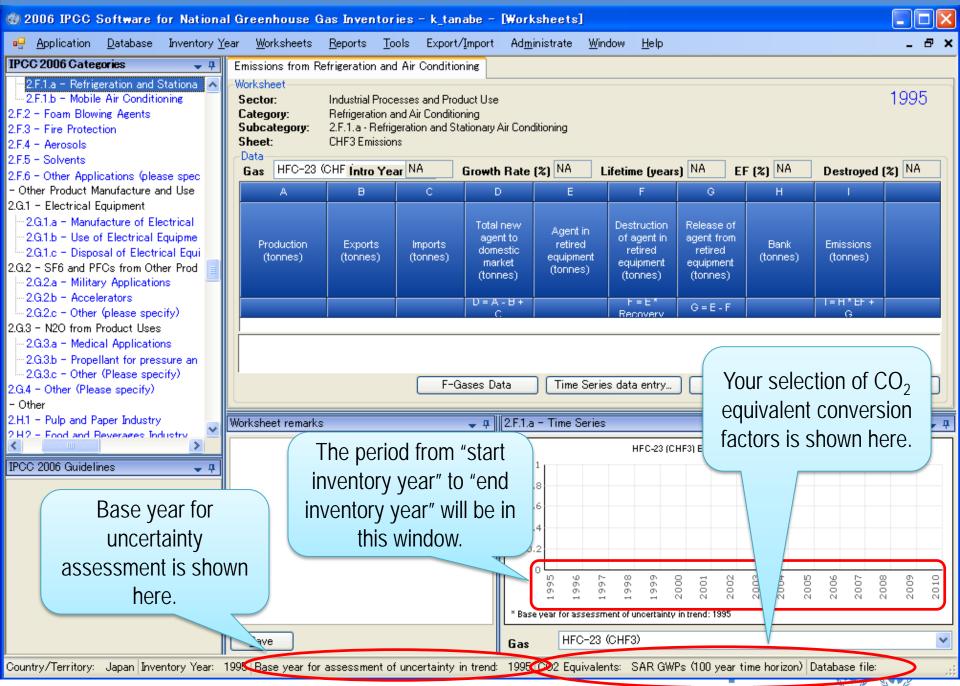


- ➤ You can select, or even newly define, the CO₂ equivalent conversion factors using "Administrate" "CO2 Equivalents" menu.
 - ✓ According to the current NAI-NC Guidelines (Dec17/CP.8), "20. Non-Annex I Parties wishing to report on aggregated GHG emissions and removals expressed in CO2 equivalents should use the global warming potentials (GWP) provided by the IPCC in its Second Assessment Report ("1995 IPCC GWP Values") based on the effects of GHGs over a 100-year time horizon."

Determine CO₂-eq conversion factors



Let's select "SAR GWPs (100 year time horizon)" as an example.



Thank you

http://www.ipcc-nggip.iges.or.jp/index.html



