

IPCC Inventory Software

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

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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





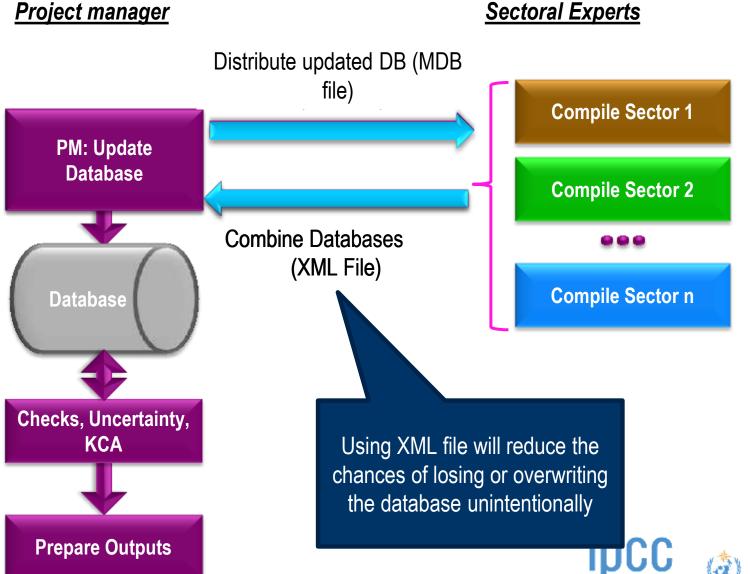
Software Functions



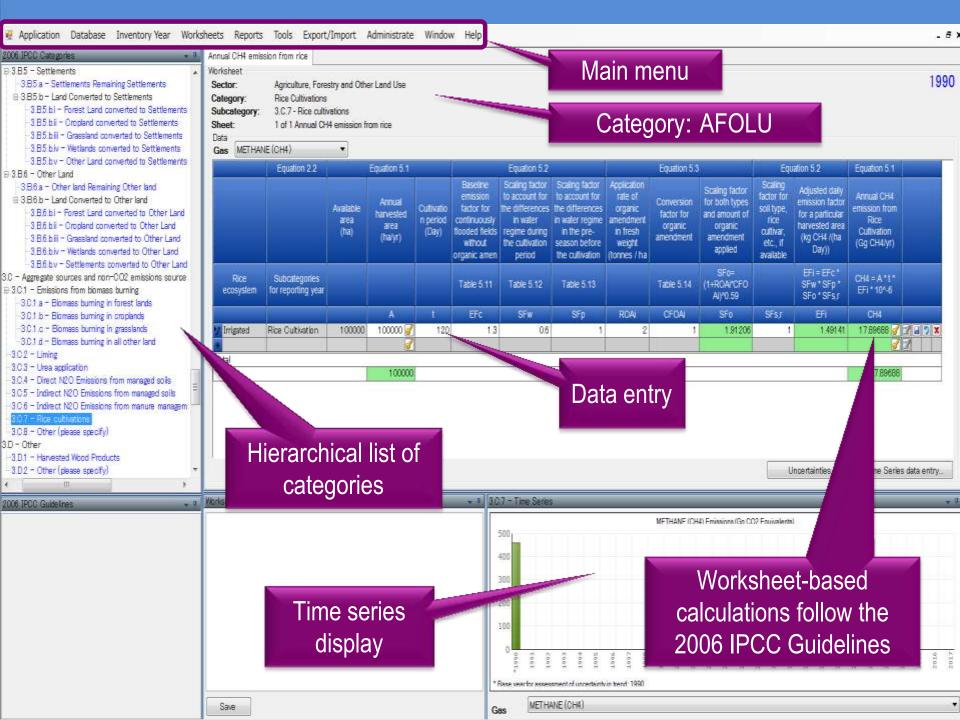


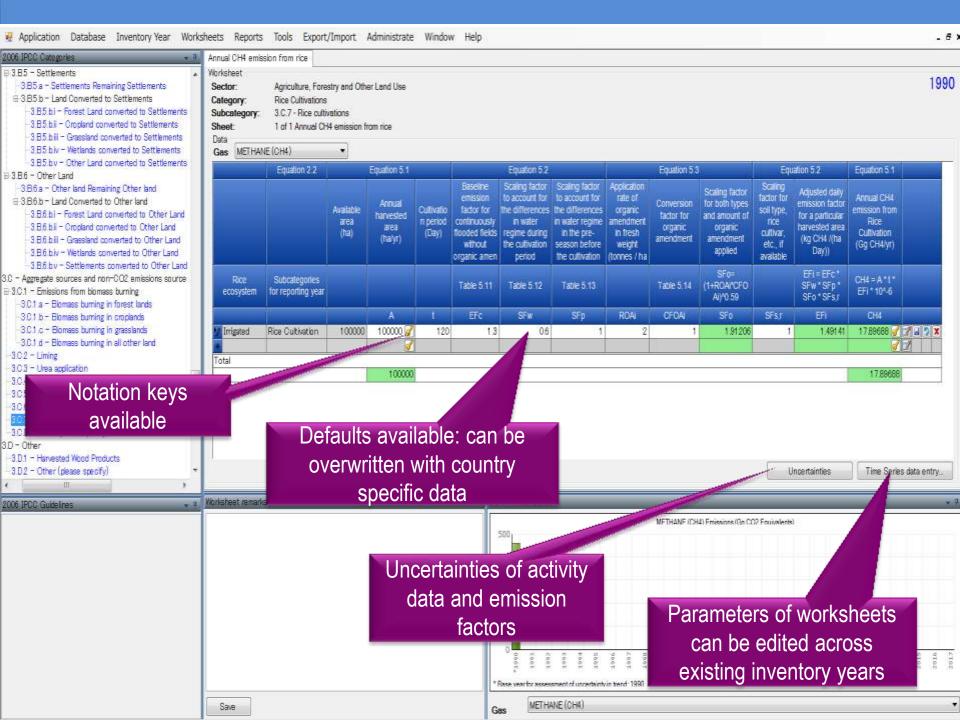


Multiple Users

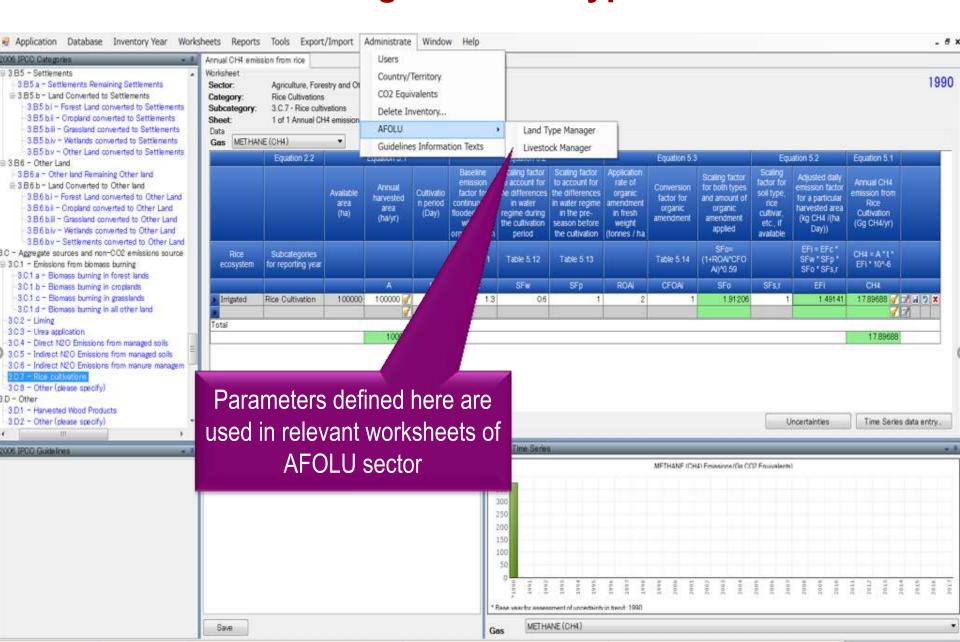


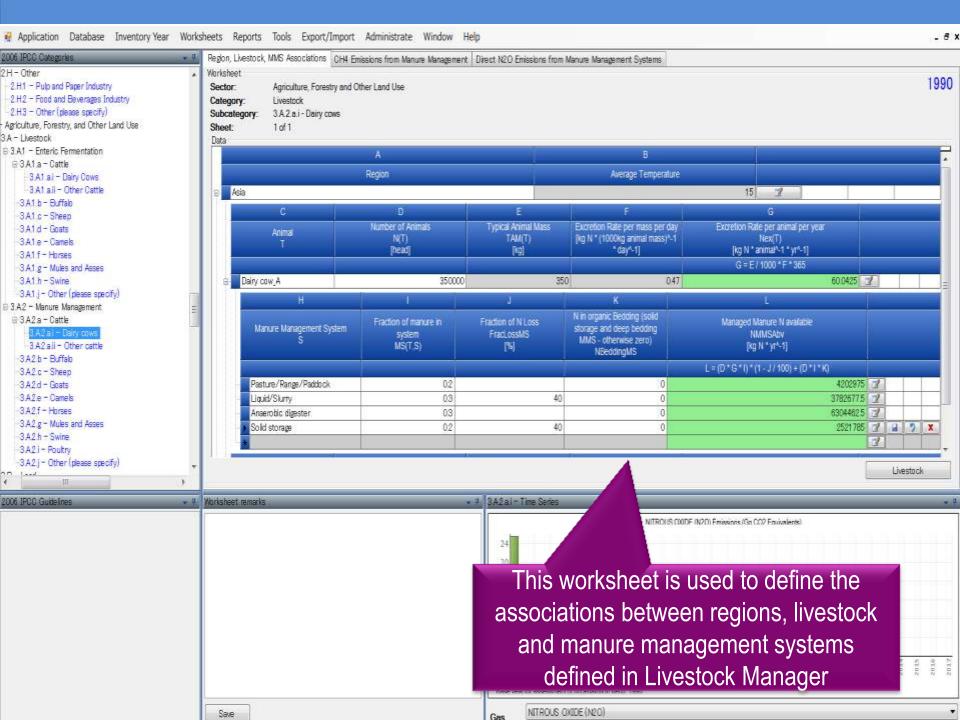
INTERGOVERNMENTAL PANEL ON Climate change



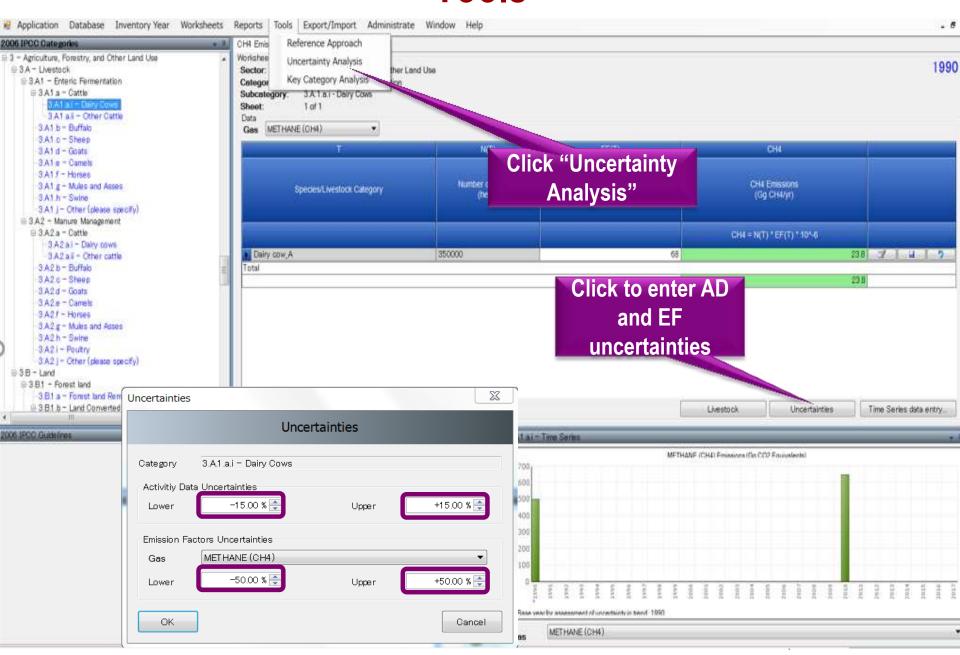


AFOLU Data Managers: Land Type and Livestock

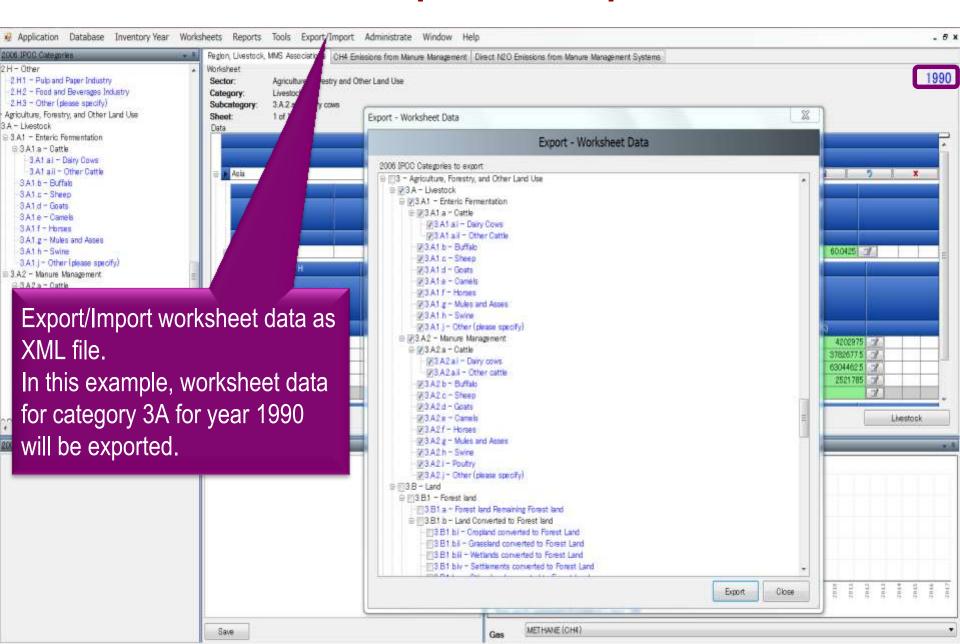




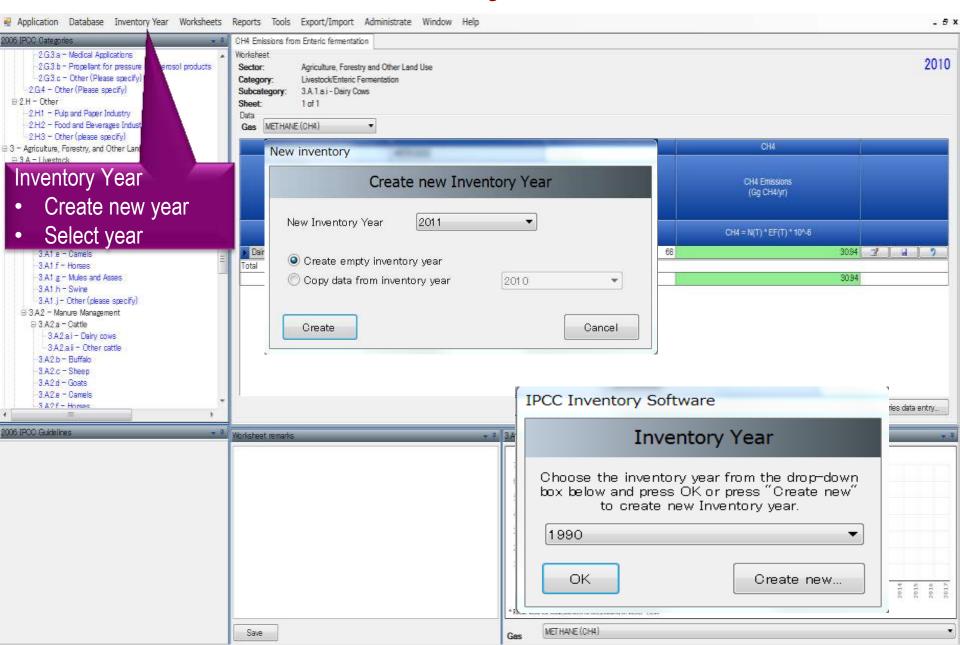
Tools



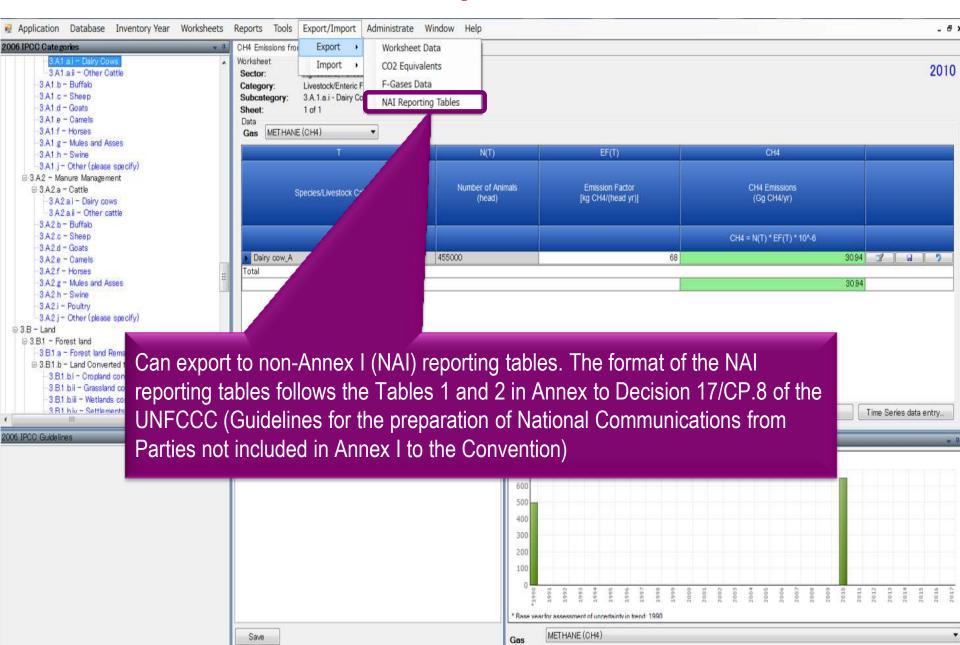
Data Export and Import



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





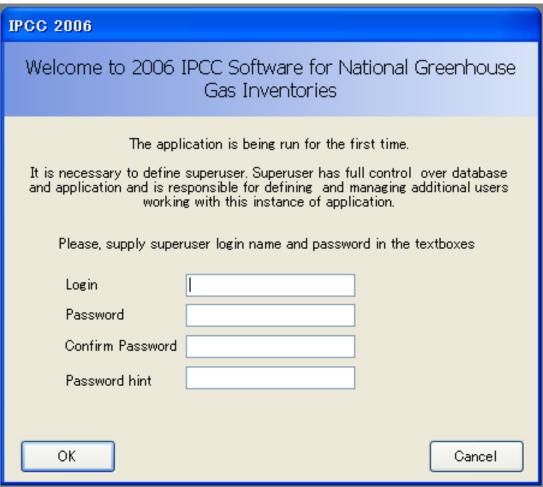
Part 2: IPCC Inventory Software - Getting Started





Let's get started. – Define ID&PW





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

Select Region & Country

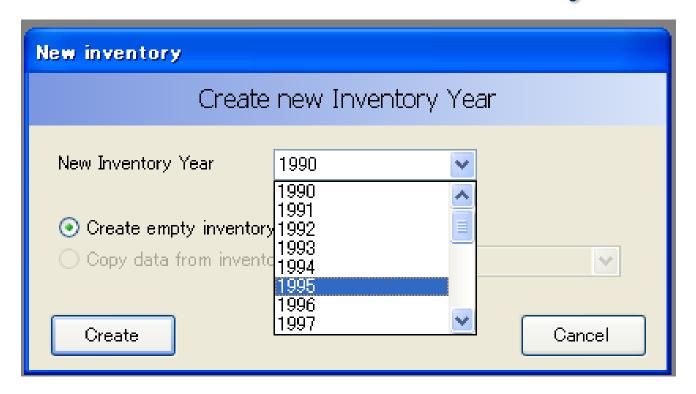


> Select your region & country from the dropdown list.





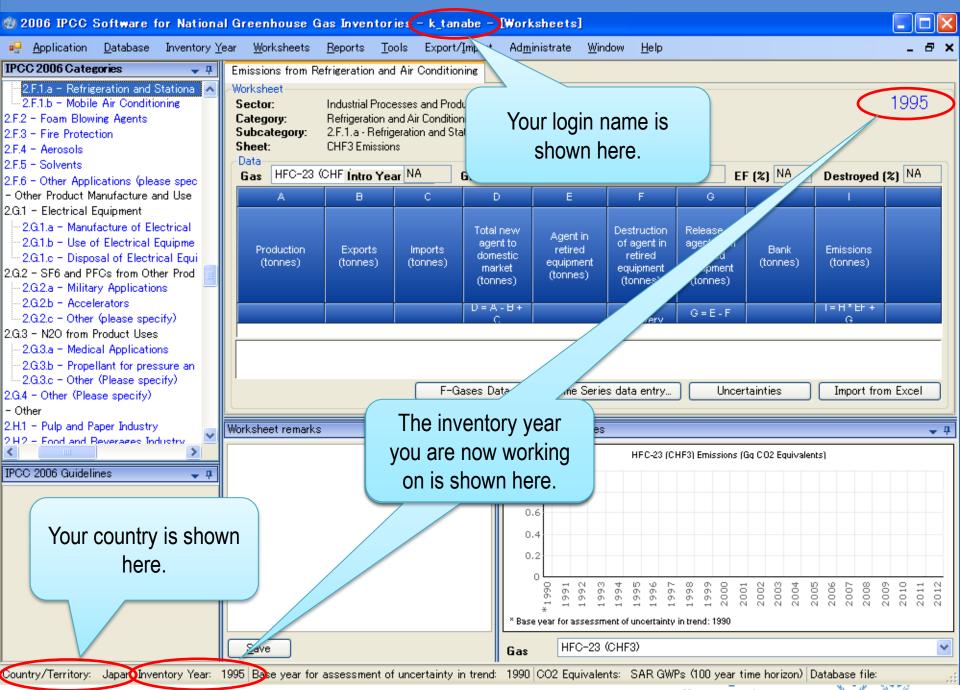
Determine Initial Inventory Year



- ➤ 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.

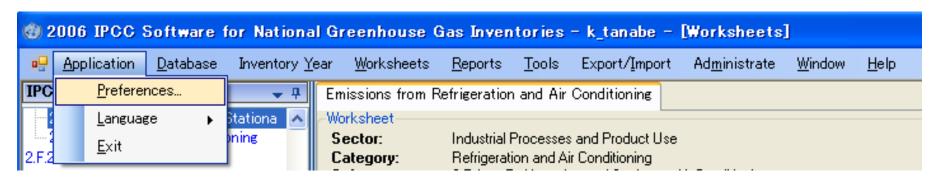






WMO UNEP

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)

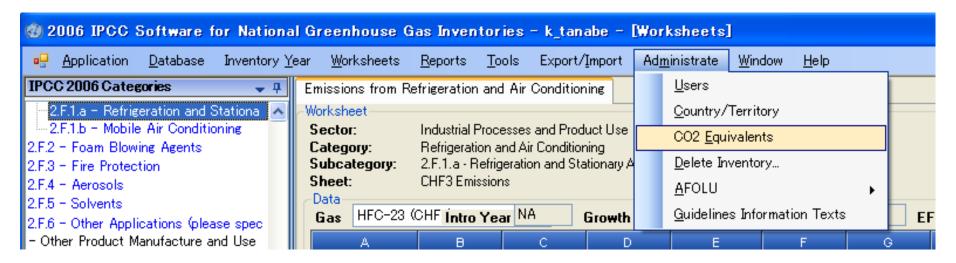


Determine Inventory Years



- ✓ 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



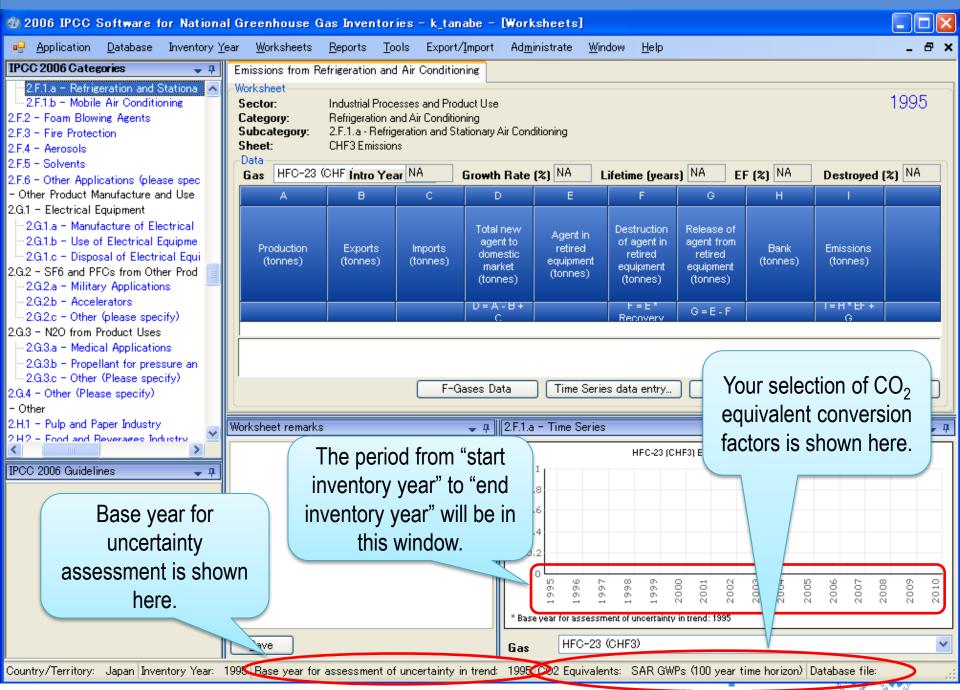
- ➤ You can select, or even newly define, the CO₂ equivalent conversion factors using "Administrate" "CO2 Equivalents" menu.
 - ✓ According to the current NAI-NC Guidelines (Dec17/CP.8),

 "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



