



IPCC Inventory Software

UN Climate Change Conference

5 December 2019

Madrid, Spain

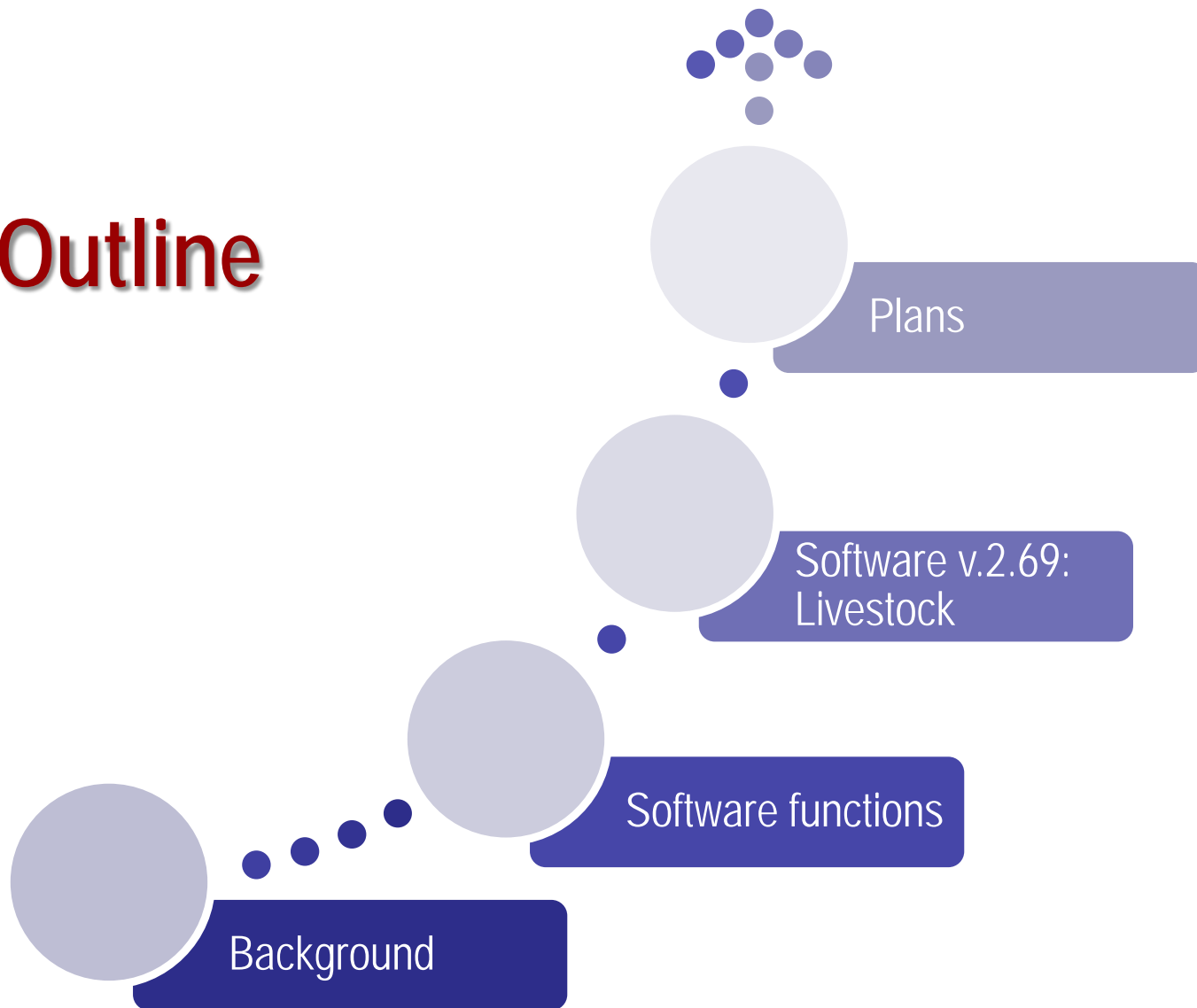
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INTERGOVERNMENTAL PANEL ON climate change



Outline



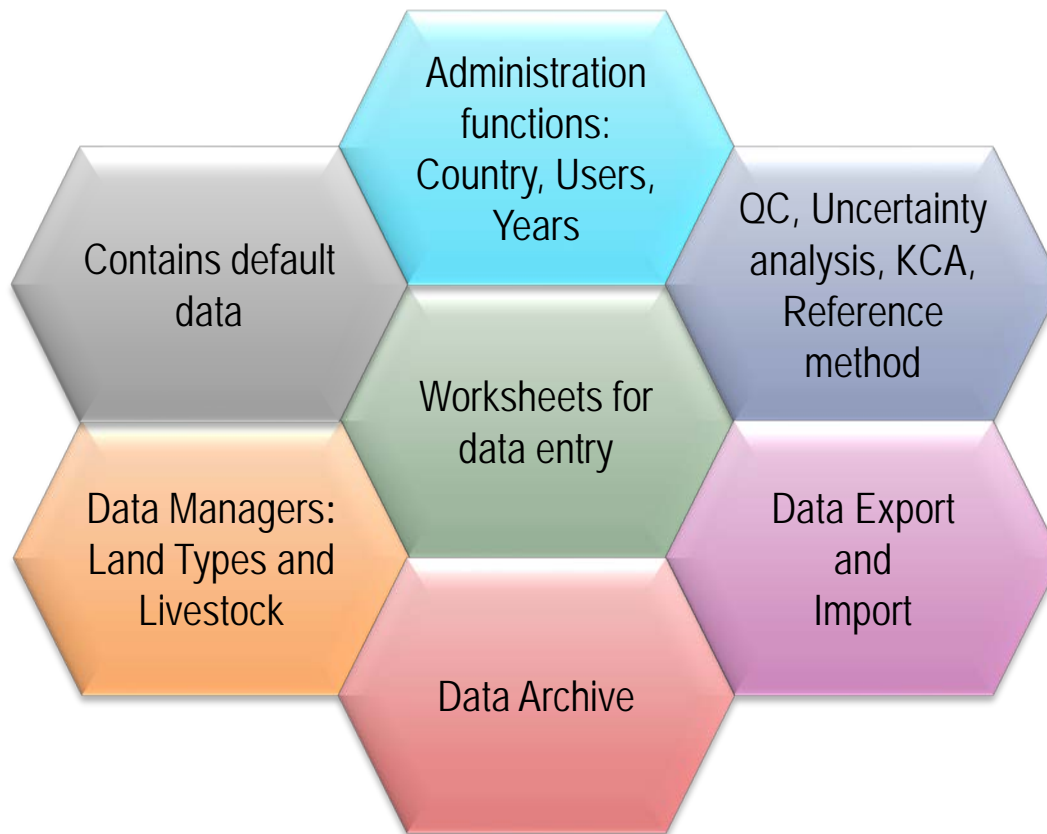
Background

- ❑ IPCC Inventory Software is one of the tools produced by IPCC TFI to support development of National GHG Inventories by countries
- ❑ First Excel-based software was developed for Revised 1996 IPCC Guidelines Workbook, considering its wide usage by the countries at that time (some countries are still using this tool)
- ❑ In 2012 new MS-Access based IPCC Inventory Software was launched that implements the **2006 IPCC Guidelines**
 - Latest version 2.69 released in October 25, 2019 implements Tier 2 for most Energy, IPPU, Agriculture and Waste emission sources

Software functions (1)

- ❑ The software (42.5 MB exe file) can be quickly and freely downloaded from IPCC TFI web-site
- ❑ It is designed for MS Windows OS, for MacOS a windows emulator is needed
- ❑ The database is password protected and a hint to recover the password is to be provided (otherwise, once password is lost user can no longer access the database)
- ❑ Software allows to backup database as MDB file and export/import of worksheet data as XML file
- ❑ The Software (from v.2.0) can automatically convert the database to the latest version when older version is opened
 - **Please make sure to backup your database before upgrading the software to the new version!**
- ❑ Non-English User Manual is available in addition to the official English version:
 - French version translated by Government of Belgium
 - Arabic version translated by Sidati Ould Dah Ould EIDA (CCPNCC)

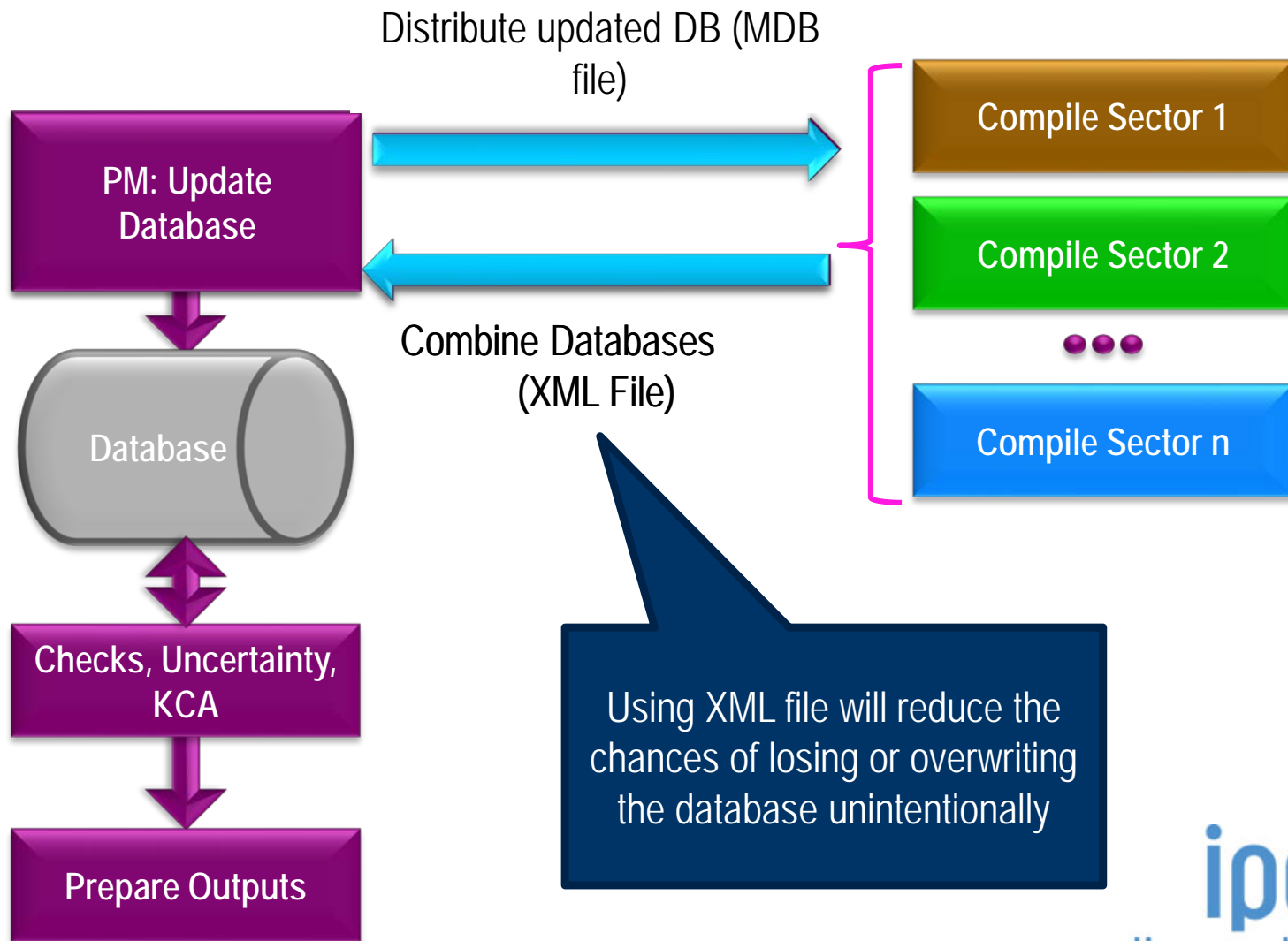
Software Functions (2)



Software functions (3): Data flow between multiple users

Project manager

Sectoral Expert(s)

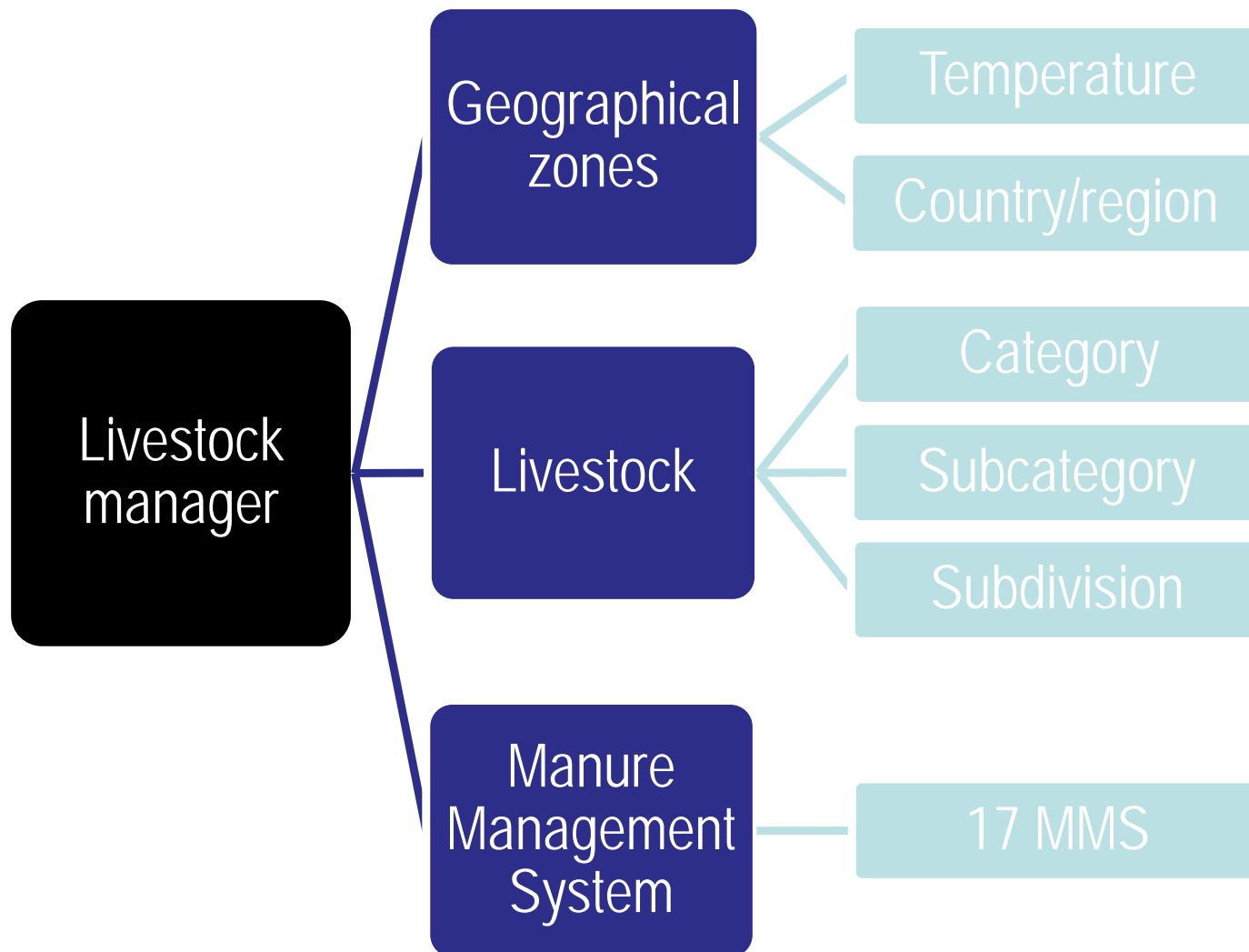


Software functions (4): Reports

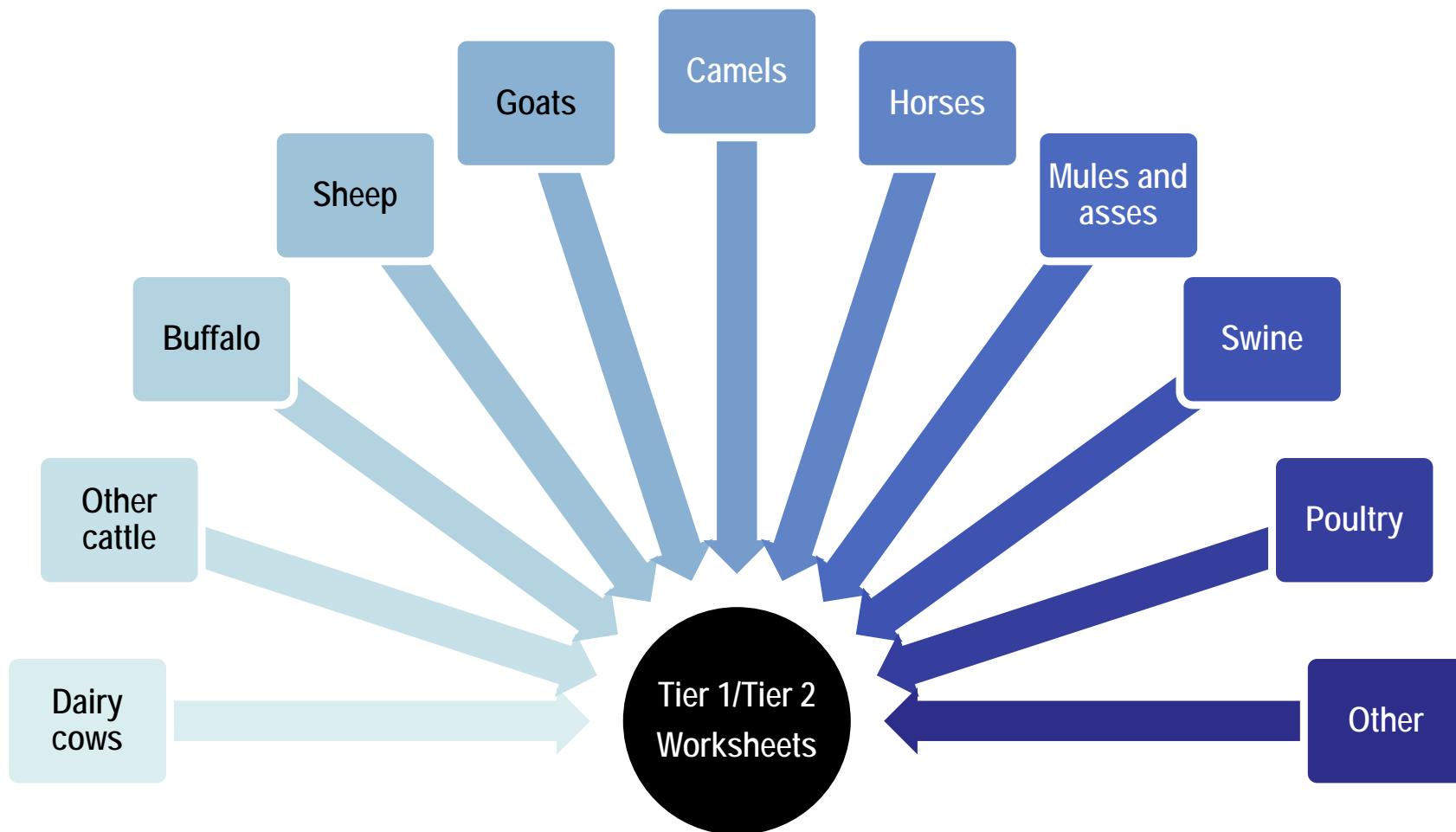
Report	Level	Contents
Summary	1.A.1	Emissions
Short summary	1.A	Emissions
Sectoral	1.A.1.a.ii (most disaggregated level)	Emissions
Background	1.A.1.a.ii (most disaggregated level)	Activity data, Emissions

Note: All reports can be exported as MS Excel file

Software v.2.69: Livestock (1)



Software v.2.69: Livestock (2)



Software v.2.69: Livestock (3)

- Why IPCC Inventory Software can be considered as user-friendly tool?
 - Users can estimate emissions based on:
 - ✓ Tier 1 and Tier 2 for all livestock categories simultaneously and compare results (QC)
 - ✓ Detailed and Simplified method for cattle, buffalo and sheep simultaneously and compare results (QC)
 - ✓ Either Tier 2 or direct input of country-specific data (Calculated/Specified option)
 - ✓ Time series data entry option for multiple years without need to switch between inventory years

Software v.2.69: Livestock (4)

- Users do not need to enter data common for several categories several times, once such data inserted software will do their automatic transfer:
 - ✓ From 3A1 to 3A2 and vice versa (e.g. Livestock population, Gross energy intake, Digestible energy etc.)
 - ✓ From Tier 1 to Tier 2 and vice versa (Note: relevant only for livestock population)
- Nitrogen excretion rate data estimated in 3A2 are automatically transferred to relevant 3C categories
- Default IPCC values are provided in drop-down boxes both for Tier 1 and Tier 2 for all livestock categories for users' convenience

Plans

3B Tier 2
(+Wetlands
Supplement)

3C Tier 2

Completion of Tier 2
and alternative
equations for a few
non-AFOLU categories*

3B Approach 3:
Land
Representation*

Time series reporting
and multiple sectoral
databases
compilation*

Uncertainty
and KCA:
Approach 2*

* Subject to availability of resources

- ✓ Possibility to produce all outcomes of estimates in XML format, which then can be utilized by any new reporting framework / infrastructure



Thank you!

<https://www.ipcc-nggip.iges.or.jp/index.html>

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