

# Art 6, National Greenhouse Gas Inventories and the IPCC Inventory Software: a consistent implementation

UNFCCC COP29, Baku 2024

**IPCC TFI-TSU** 





### NDC Reporting and Accounting Rules



- ✓ Article 4, para. 14 of Paris Agreement: "In the context of their NDC, when recognizing and implementing mitigation actions with respect to anthropogenic emissions and removals, Parties should take into account, as appropriate, **existing methods and guidance under the Convention**, in the light of the provisions of paragraph 13 of this Article."
- Annex II, decision 4/CMA.1: accounting for the NDC, Parties estimate anthropogenic emissions and removals in accordance with methodologies and common metrics assessed by the IPCC
- Article 13, para. 7 of Paris Agreement: "Each Party shall regularly provide.... A national inventory report of anthropogenic emissions by sources and removals by sinks of GHGs, prepared using good practice methodologies accepted by the Intergovernmental Panel on Climate Change (IPCC) and agreed upon by the Conference of the Parties serving as the meeting of the Parties to this Agreement;"

### **ART6 Reporting and Accounting Rules**



✓ Annex, decision 2/CMA.3: Art 6.2 ITMOs Measured in t CO₂ eq in accordance with the methodologies and metrics assessed by the IPCC

Annex, decision 3/CMA.3: A6.4ERs Measured in t CO<sub>2</sub> eq in accordance with the methodologies and metrics assessed by the IPCC

# Key messages

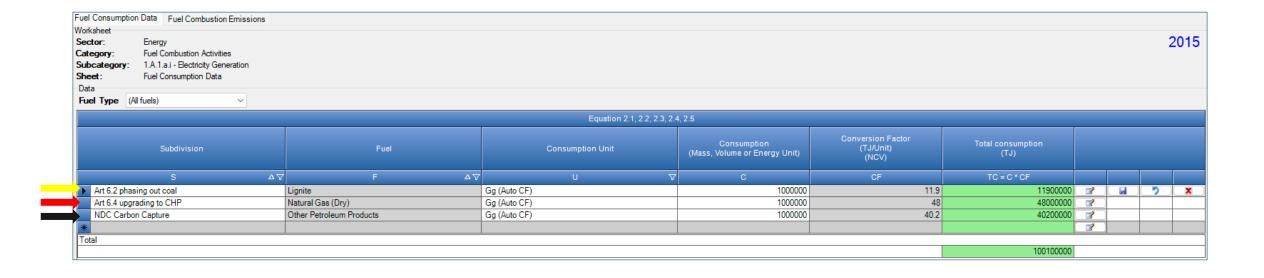
- ✓ Parties shall use the 2006 IPCC Guidelines for National GHG inventories to produce their GHG Inventory for the BTR
- ✓ **The IPCC Inventory Software (***Software***)** is the tool for preparing a GHG inventory consistently with the 2006 IPCC Guidelines
- ✓ It is interoperable with the UNFCCC ETF Reporting Tool, so serving as the cornerstone of country's institutional arrangements for National GHG Inventory (NGHGI) development
- ✓ It allows to estimate, and track in the NGHGI, GHG emissions/removals at subnational/action/project level (*subdivisions*); thus, allowing tracking progress in **NDC's mitigation** actions implementation
  - Further, by compiling 2 alternative databases, -i.e. with actual AD & EF vs projected AD & EF- and comparing their GHG estimates, the *Software* provides for a tool to assess expected impact of policies and measures/project activities



- Example, with very dummy data, on how to **report within a National GHG inventory**:
  - > Art6.2 activities that can originate ITMO units
  - > Art6.4 activities that can originate A6.4ER units
  - Other NDC's mitigation actions

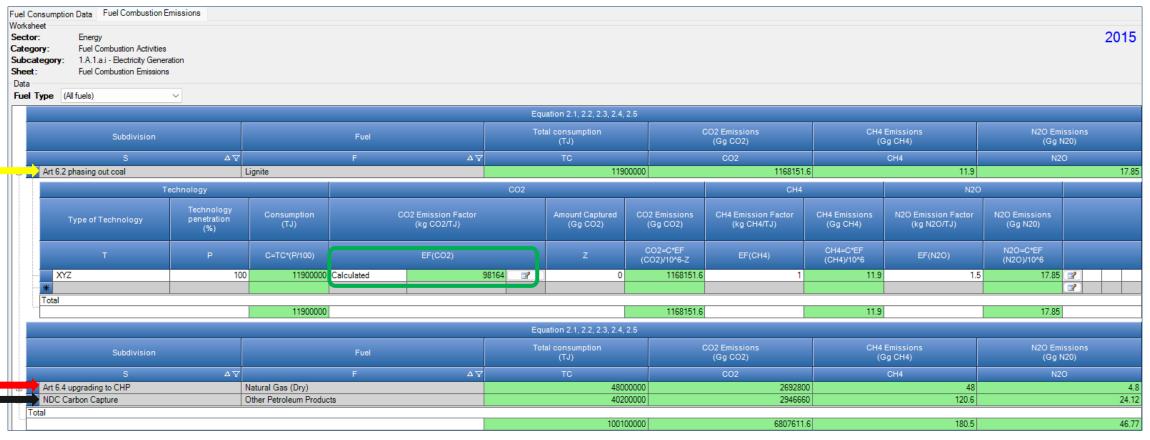


### **Electricity Generation – Activity Data**



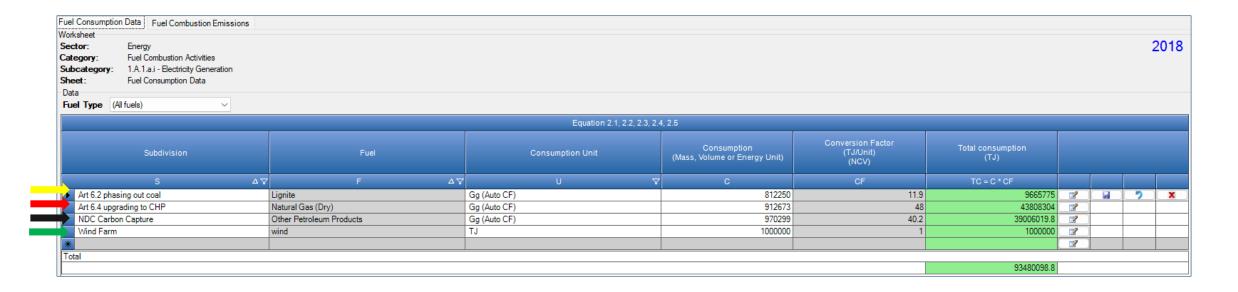


### **Electricity Generation – Emissions**



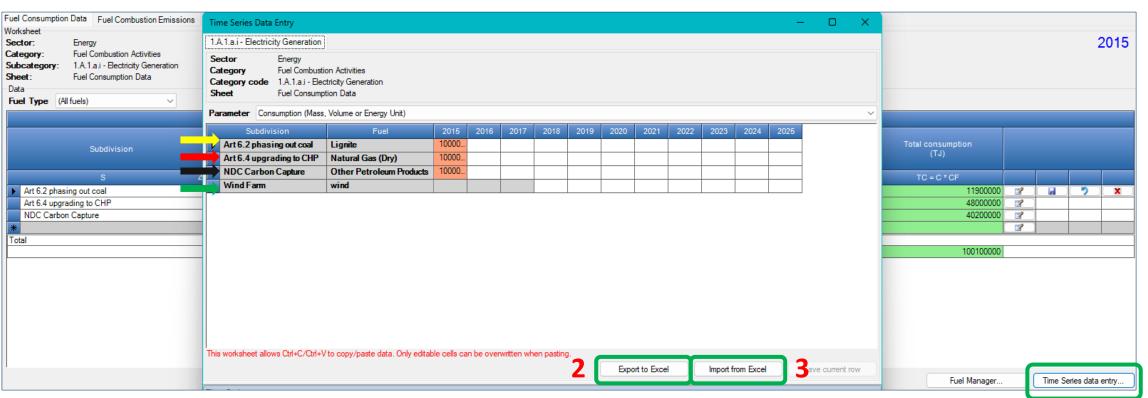


### **Electricity Generation – Activity Data**





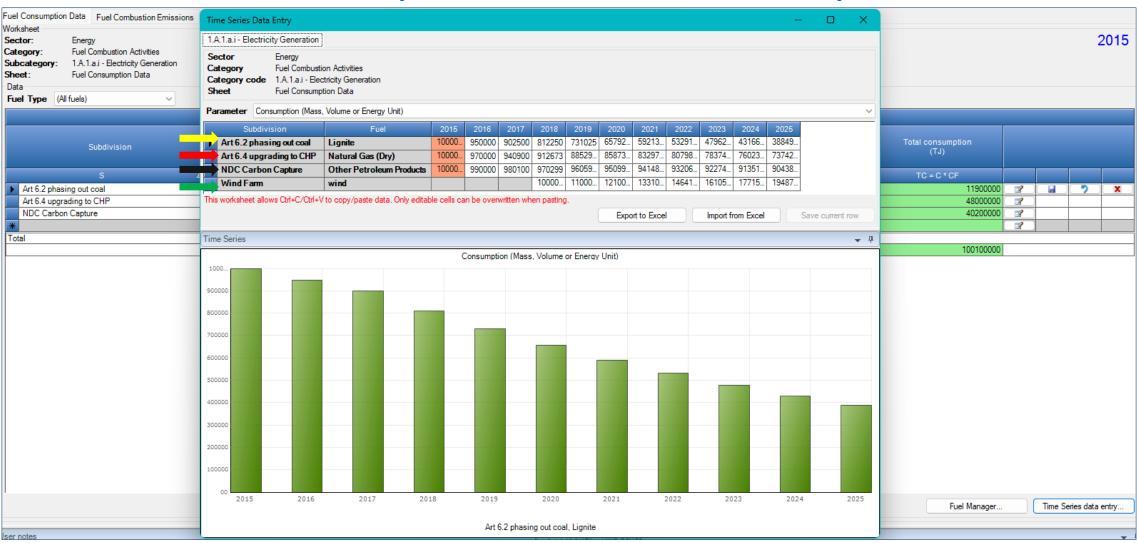
### **Electricity Generation – Timeseries Data Entry**



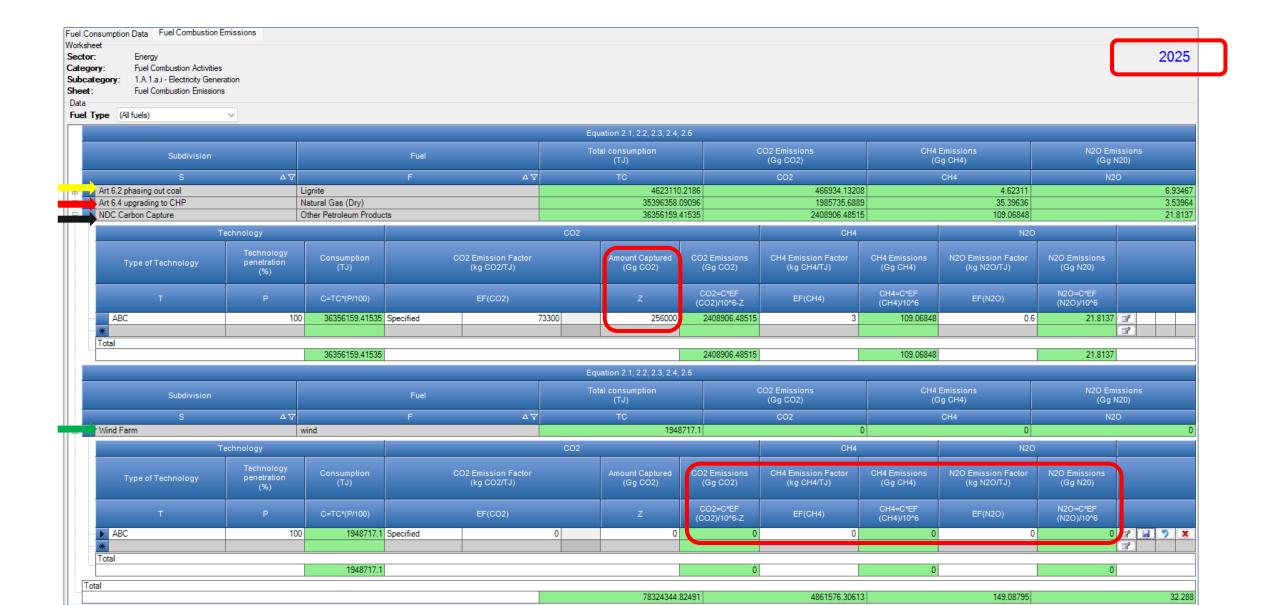




#### **Electricity Generation – Timeseries Data Entry**

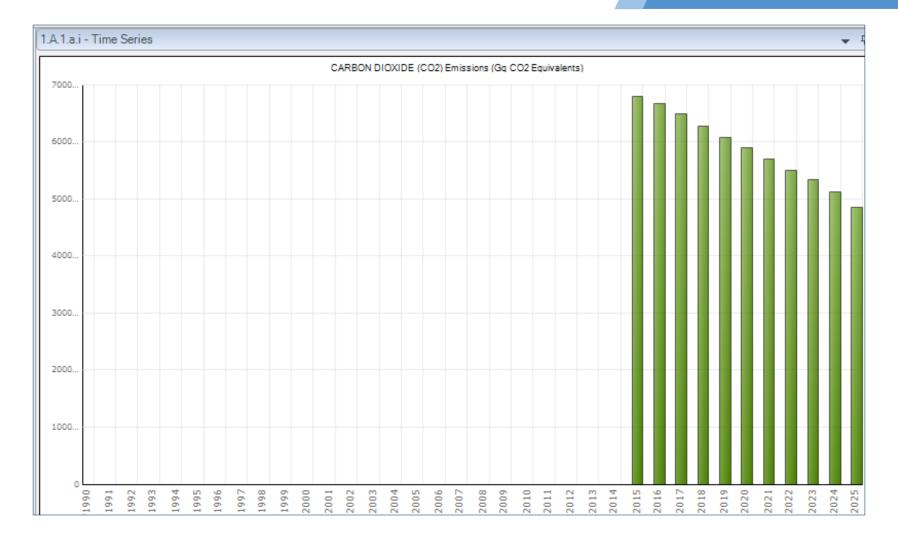












### Concluding thoughts...

The IPCC Inventory Software is the resource to prepare GHG inventories in accordance with:

- ✓ IPCC good practice and principles (Transparency, Completeness, Consistency, Accuracy, Comparability)
- **✓ UNFCCC** reporting requirements for:
  - National GHG Inventories
  - > NDCs
  - > Art 6,2 ITMOs
  - A6.4ERs

It thus ensures consistency among NGHGIs, NDCs, Art6; so, addressing double counting and integrity in mitigation's reporting

# **Support**

### **IPCC TFI TSU is supporting the IPCC Inventory Software:**

- ✓ User Manual
- ✓ Guidebook with step-by-step guidance to compile GHG estimates in all sectors/categories
- √ Help Desk: <u>ipcc-software@iges.or.jp</u>
- ✓ Cooperation with the UNFCCC at training workshops on GHG Inventories
- ✓ Annual IPCC meetings on feedback from software users, including issues where support is needed, or software improvements are envisaged





### **STAY IN TOUCH**



ipcc-nggip.iges.or.jp/software/index.html



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Any further questions?

### **STAY CONNECTED**

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