






AIR Emission Inventory Software Tools

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Software-house in Bratislava since 1992 focuses on software development & services

Application area of Emission Inventory Tools

	CollectER ETC/EEA inventory tool	Collect Emission Register tool according to the EEA CORINAIR methodology
	NEIS National Emission Information System Slovak Republic	The hierarchical Bottom-Up set of tools enabling data collection , emission calculation, verification and reporting from plants to district offices, central database software and the national reporting on the WEB
	IPCC2006 software national GhG Inventory	Worksheet oriented software tool following the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
	ISSP Slovak Information System for GHG	The Web Portal designated to inform experts as well as public community about Greenhouse Gas emissions in Slovakia
	EFDB GhG EF WEB database	Public database of GHG emission factors on the WEB by IPCC (Intergovernmental Panel on Climate Change) secretariat in Japan

CollectER tool

The European Environment Agency (EEA) and its European Topic Centre on Air and Climate Change (ETC-ACC)

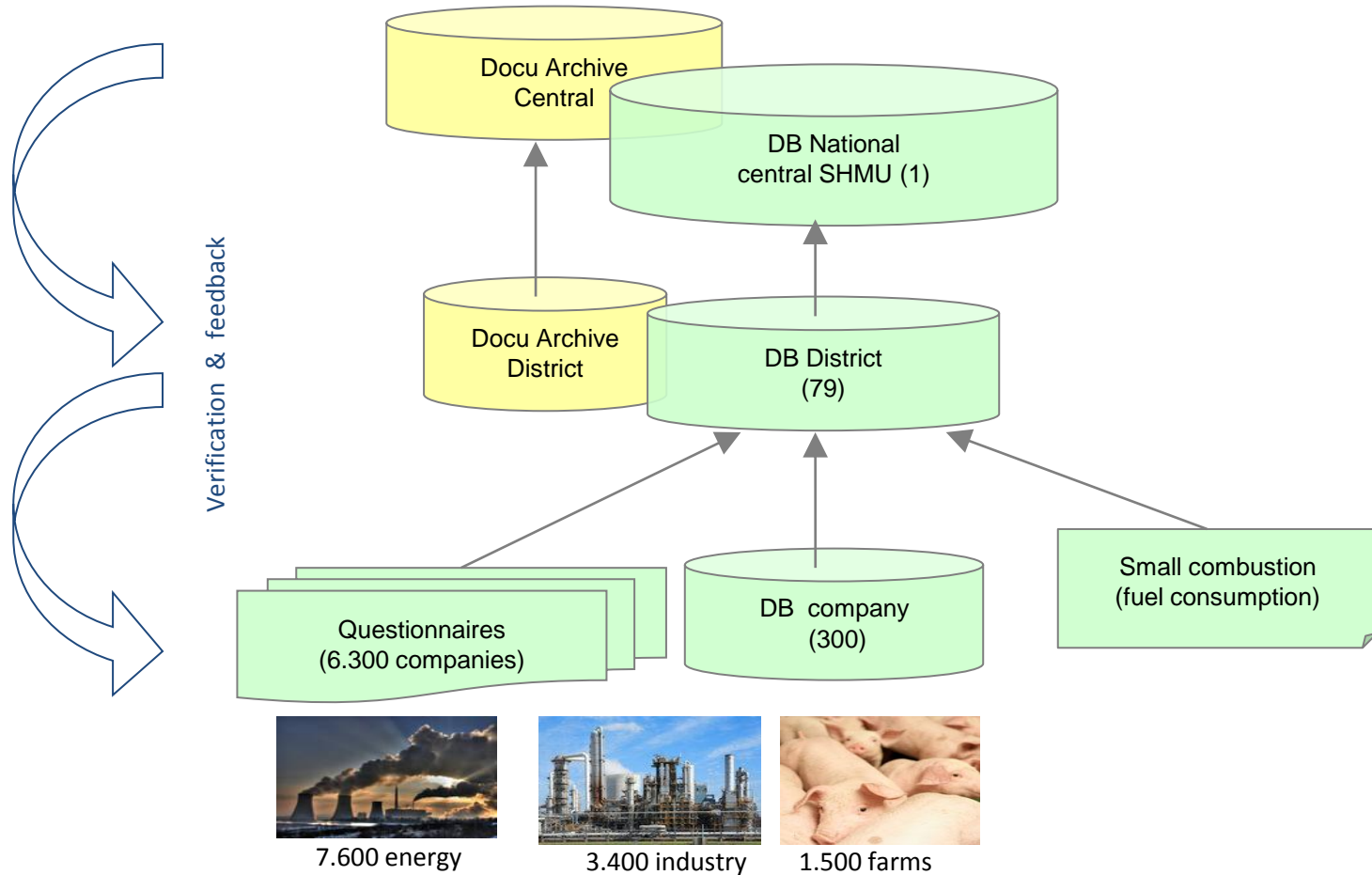


- An integrated inventory compilation and inventory reporting tool, based on UNFCCC and LRTAP Convention and compatible with EU GHG Monitoring Mechanism and the National Emission Ceilings Directive
- User interface, enabling source selections by Location / by NFR-CRF source category / by SNAP / and by Fuel
- Multi-annual compilation of emission inventories in one database structure including graphs of time series
- Rigorous input data screening providing safeguarding against typos and other errors
- Additional user defined summary and overview tables to support QA/QC during data input including “Completeness report” and “Key category analyses”

Free download on http://acm.eionet.europa.eu/country_tools/ae/CollectER_III.html

NEIS – Slovak National Emission Inventory

Hierarchical set of SQL Database oriented tools enabling emission data collection , calculation, verification and reporting



NEIS hierarchy of tools

NEIS attributes:

- A) **280 data types** related to Air Emissions of Stationary Point Sources, including technical and operational parameters, measurements, air emissions and methods of estimation, fees for air pollution
- B) **15 types** of Questionnaires
- C) **6.600** companies providing data
- D) **12.500** point sources of air emissions (7.600 energy sector / 3.400 industrial processes / 1.500 farms)
- E) **130** pollutants and GHGs
- F) **300** companies operating own NEIS PZ database providing data electronically
- G) **79** district environmental offices operating own NEIS BU database
- H) **Small combustion** sources data involved from fuel resale questioners + 500 **IPPC** sources questioner
- I) **Verified** annual Inventory available since Year 2000
- J) Everything following SR/EU **legislative standards**
- K) **Archive** of accompanying documents ... emission source allowance, decisions, fees...

<http://www.air.sk/en/emissions.php> and http://www.air.sk/neiscu/main_gui.php?change_language=1

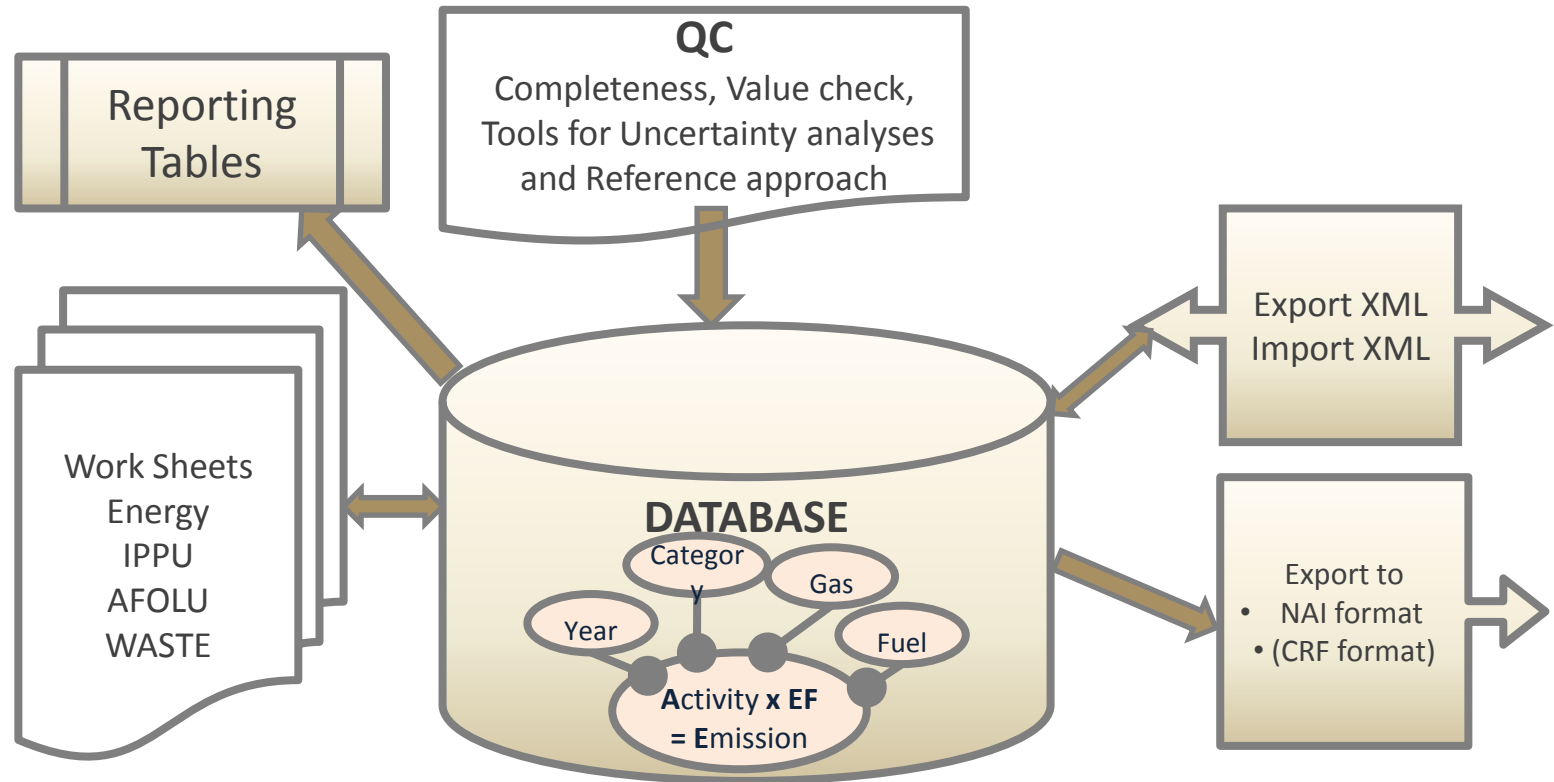
IPCC2006 software

Worksheets oriented software implementing 2006 IPCC Guidelines for National Greenhouse Gas Inventories.
Supported by IPCC Intergovernmental Panel on Climate Change and its Technical Support Unit located at IGES in Japan

- Navigation pane through IPCC2006 Sector & category structure
- Worksheets input module to fill activity data values + uncertainties (or notation keys)
- Default emission factors are filled into worksheets from database to calculate emissions
- Reporting tables filled upon these calculations by aggregated emissions
- Data import/export function enables to load year/sector particular data into/ from XML format
- Worksheets control functions for completeness check and numerical value check
- QC tools for “Uncertainty analysis”, “Key Category analysis” and “Reference approach”

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ISSP - IS for Greenhouse Gases in Slovakia

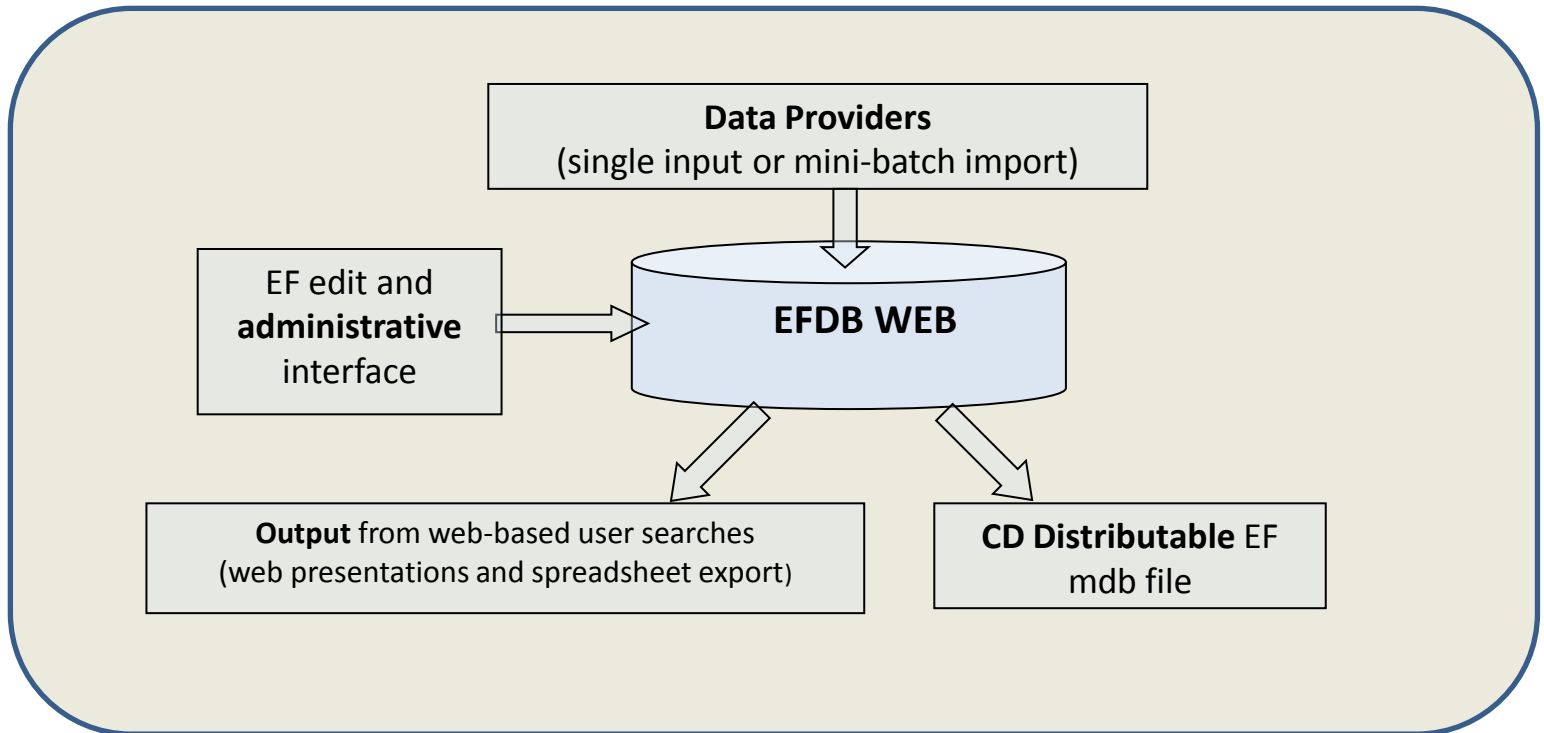
WEB portal - all the official information on GHGs in Slovakia related to the UNFCCC (United Nations Framework Convention on Climate Change) and the Kyoto Protocol

- **Background information:** including international framework, national arrangements, responsible subjects and GhG inventory processes in Slovakia.
- **GhG annual emissions:** displayed either as aggregate values (CO₂, CH₄, N₂O, HFCs, PFCs, SF₆) or calculated values in CO₂ equivalents
- **The methodology documents:** prepared by national experts including information about categories, gasses, methodologies used, about input data and their quality, about emission factors, uncertainty and completeness of the Slovak inventory
- **Time series** of GhG emissions shown in stacked bar graph
- **Projection** of emissions till 2025
- **All GhG documents for download:** including legislative norms and national reports

The ISSP pages : <http://issp.air.sk/main.php>

EFDB - Database on GHGs Emission Factors

WEB Library on GhG emission factors provided by IPCC National Greenhouse Gas Inventories Programme



EFDB home page: <http://www.ipcc-nggip.iges.or.jp/EFDB/main.php>