The EUROMOD platform II

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UNU-WIDER Training course

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Content

- Overview of EUROMOD structure
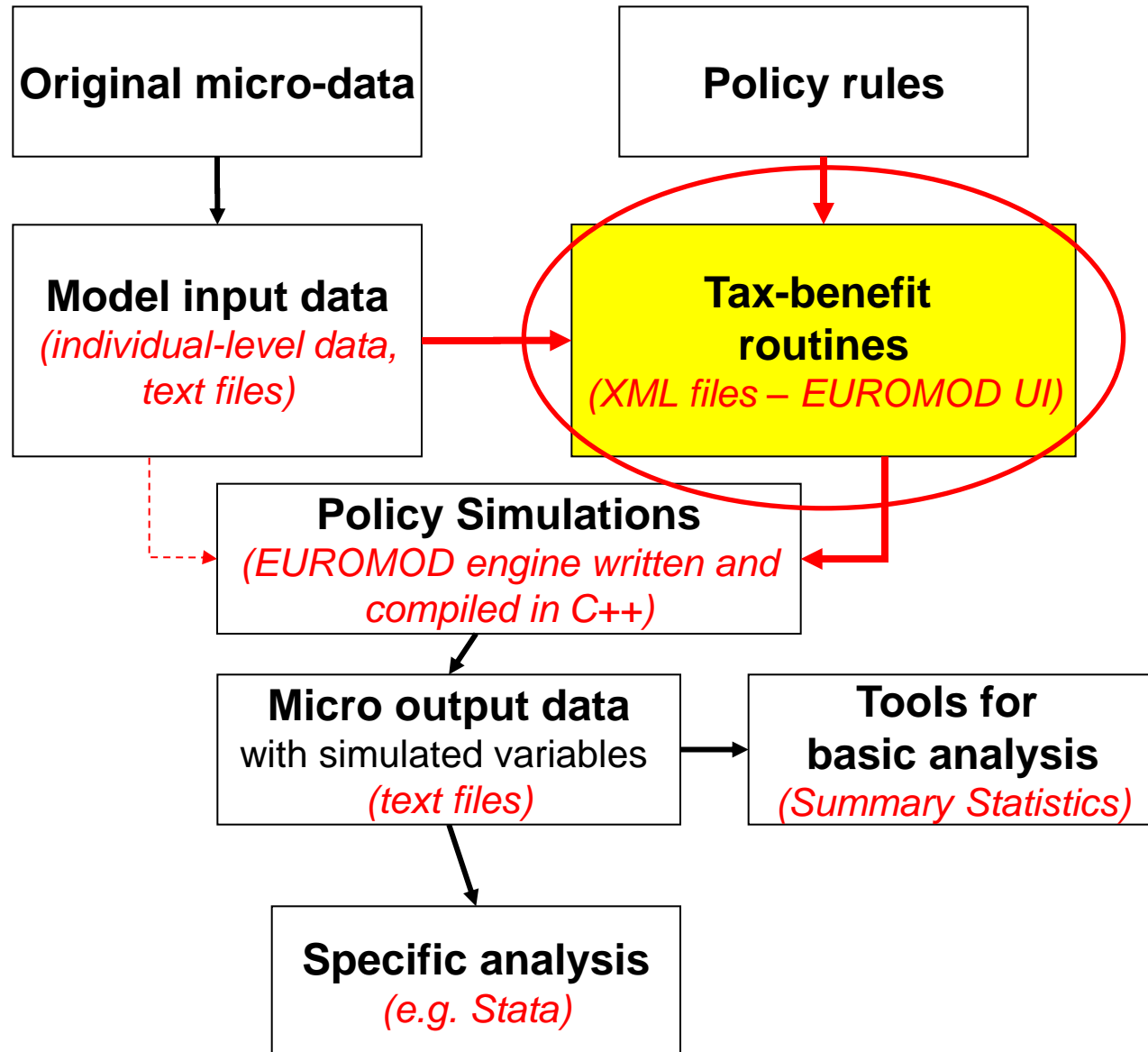
- EUROMOD User Interface

Content

- **Overview of EUROMOD structure**

- EUROMOD User Interface

EUROMOD: how does it work?

EUROMOD input dataset

- Variables: demographic, labour, income, assets, expenditure

- Harmonised data reference period

- Compulsory variables (id, demographic and labour status variables)

- No missing values

- Gross income

- At the individual level

- Income and expenditure data expressed in monthly terms

- In national currency

- In tabulated text format

- Documentation – do-files and Data Requirement Document (DRD)

Variable name convention

Names are combination of acronyms: abb**

- a=class 1 – type of information (e.g., y: income, x: expenditure)
- bb=class 2 – specific for each type a (e.g. y| em: employment, se: self-employment)

  e.g. yem: employment income; yse: self-employment income

- further bb's for additional information/detail

  e.g. ysebs: business self-employment income

- Common Variables file (VarConfig.xml)

EUROMOD country parameter files

- Contain all information about tax-benefit rules
- Stored in XML files read by the EUROMOD engine
- Two files per country
  - Data config file
  - Parameters file
- Manipulated via user interface (UI)
- Implemented via EUROMOD functions grouped in policies
  - Defining elements to be used later on (tax units, income lists, constants etc.)
  - Simulation of tax-benefit policies
  - Controlling the output dataset file

Questions?

Content

- Overview of EUROMOD structure

- **EUROMOD User Interface**

Installation

- Requires Microsoft .NET framework files or an Internet connection to download files in the SETUP process
- Complete separation between the **User Interface (UI)** and **EUROMOD 'content'** (i.e. country files, input, output, applications) files
- Only one copy of the UI but can use multiple 'content' files
- Run the Installation Wizard
- Set the path to your EUROMOD 'content' files
  - Project path
  - (if necessary) separate input data and output data paths

EUROMOD content folder structure
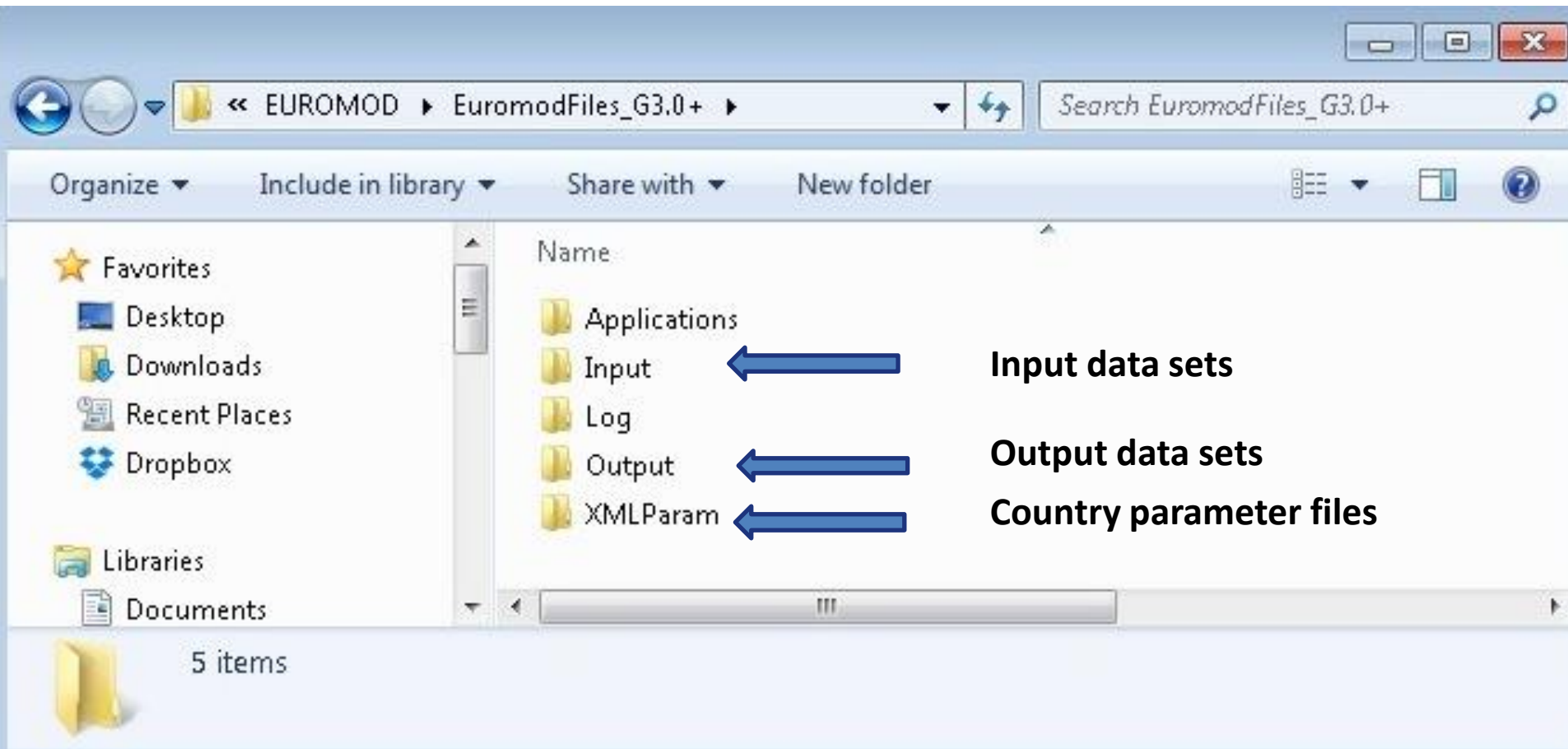
Linking the User Interface to EUROMOD content files
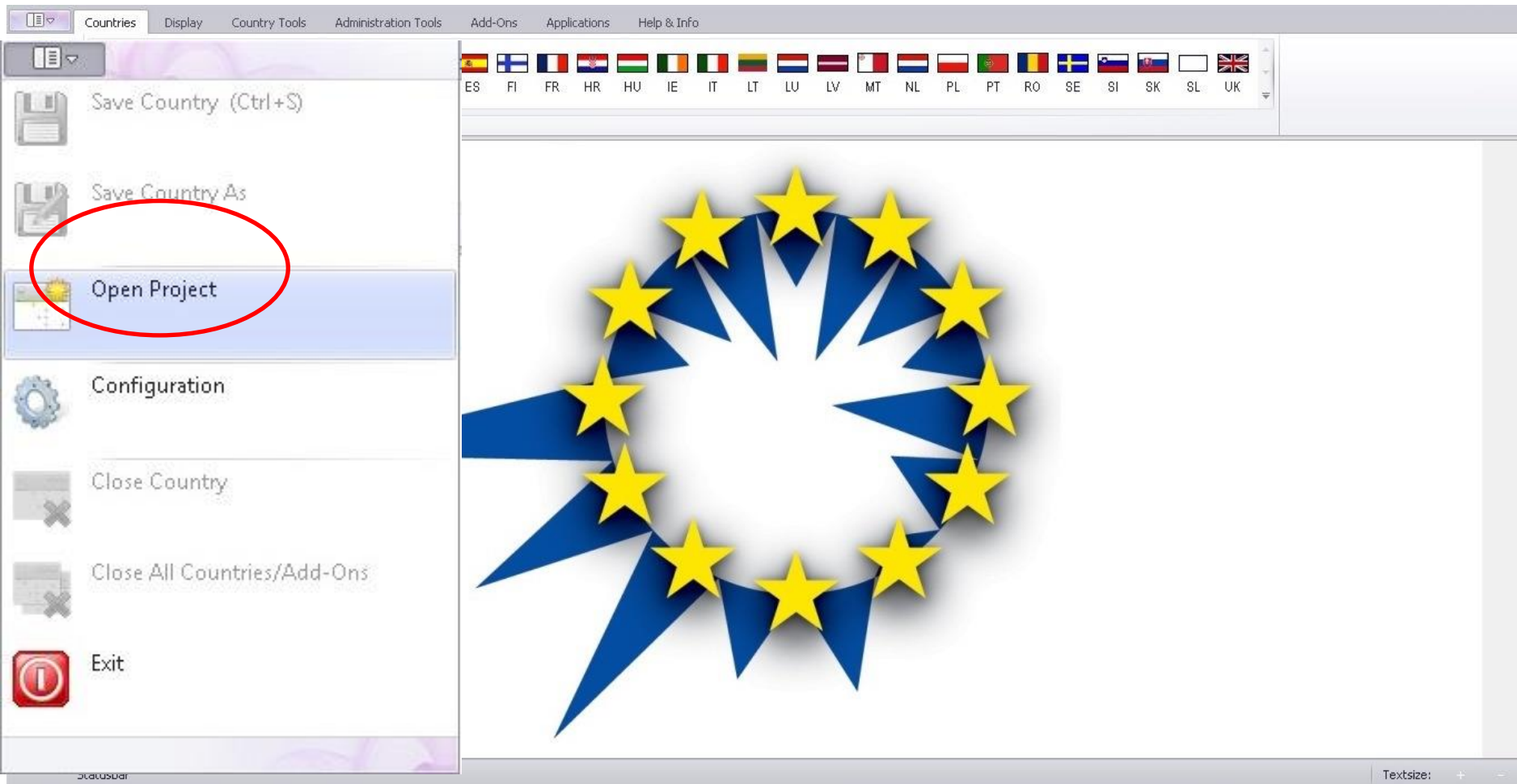
Linking the UI to EUROMOD content files
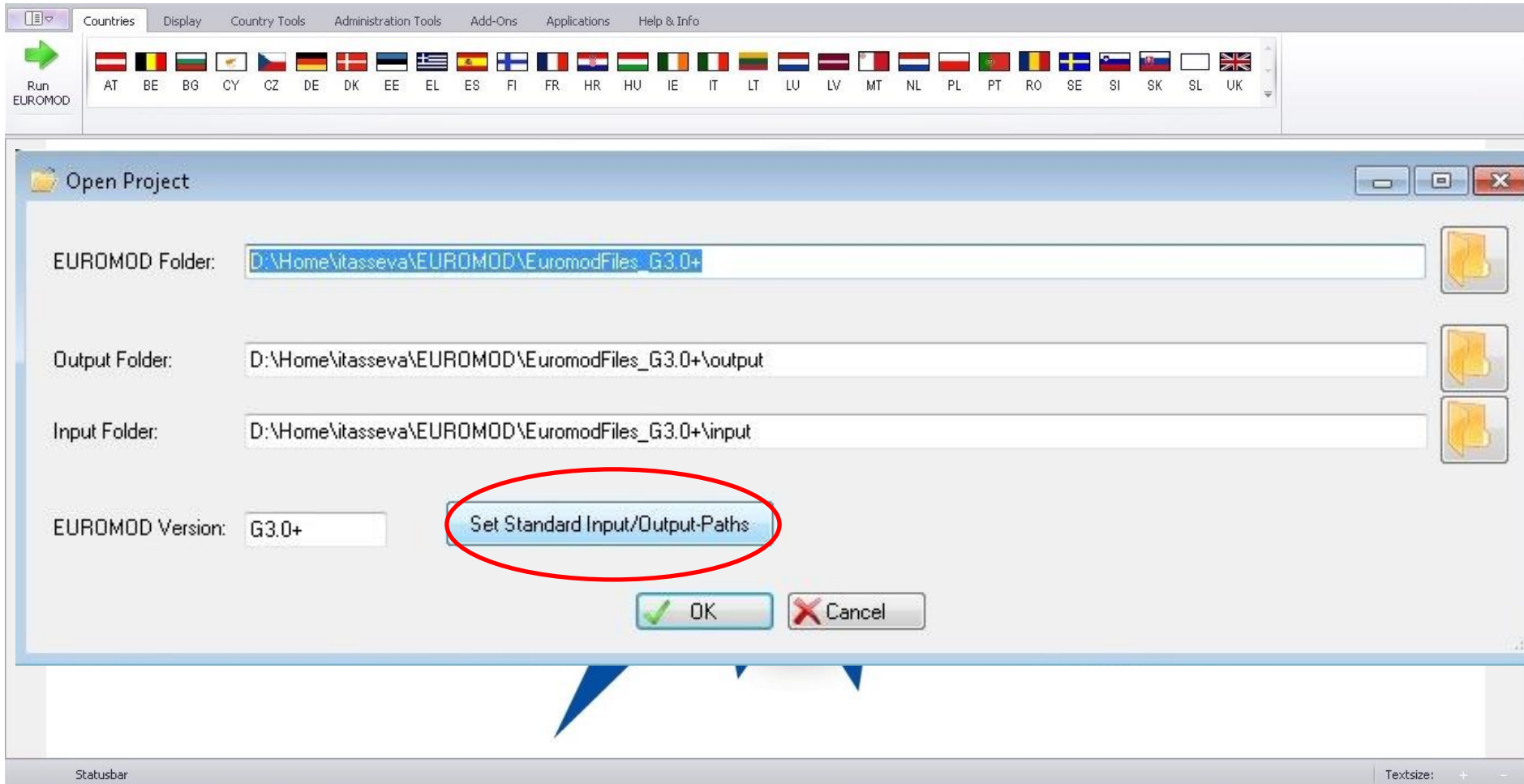
User Interface (UI)

- Single stand-alone piece of software-Windows Operating System
- Single working environment
- Mostly point and click but some hot keys are available (standard and specific)
- In-built features that allow for improved user control and guidance
- Intuitive!
- **Features:**
  - Ribbon bar with tabs
  - Context menus
  - IntelliSense (suggestion of parameter values)
  - Built-in help
  - Variables file – VarConfig.xml

User Interface (UI)

Ribbon bar

Run button

Country files

Working environment

Ribbon bar – country tools
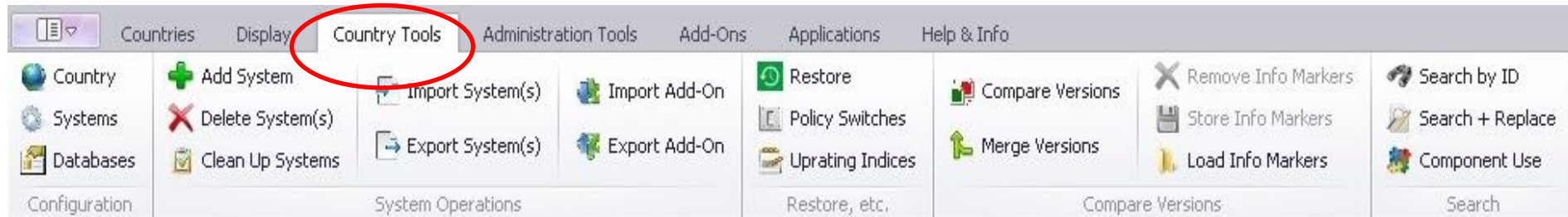
- Country must be open to activate buttons
- Contains options that manipulate the general parameters of a country file
  - Name and acronym
  - Available policy systems and their characteristics
  - Available datasets and their characteristics
- Adding and deleting systems
- Search and replace
- More advanced (import/export systems, add-ons etc.)

Policy system settings

Database settings

Ribbon bar - control display and formatting
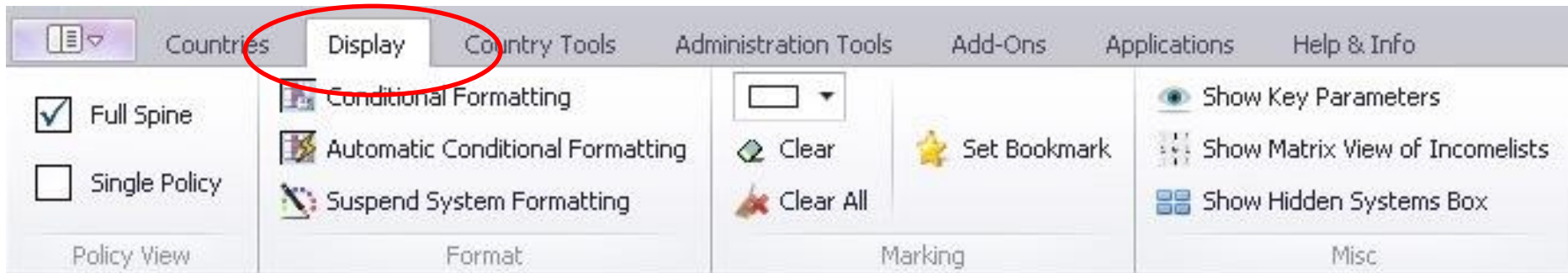
- View full policy spine vs. single policy
- Conditional formatting (similar idea to EXCEL)
- Bookmarks

...

Ribbon bar – administration tools
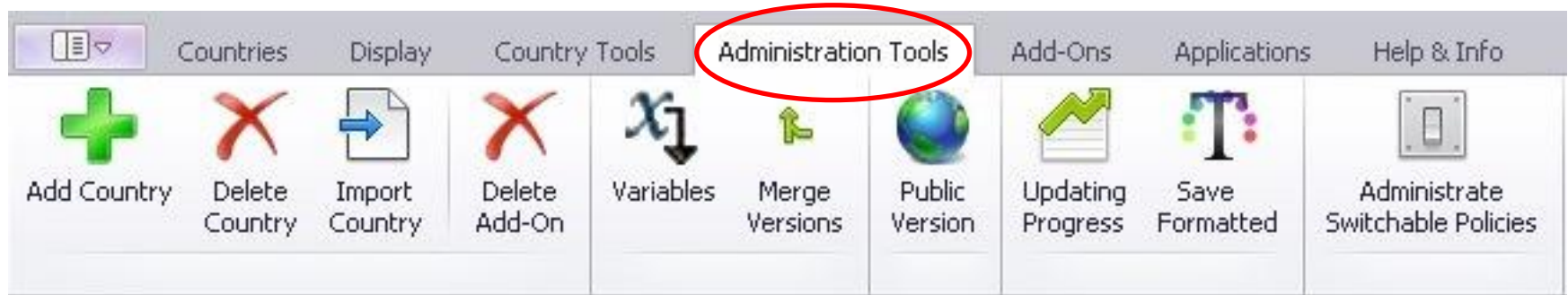
- Adding and deleting countries
- Accessing and administering the variables file
- Updating progress: overview of available policy systems and datasets
- More advanced & not covered in this course:
  - available add-ons
  - applications

EUROMOD Help

Context menus

Context menus

- Activated by right-clicking

- Intuitive options controlling the respective elements

- Description available

IntelliSense

Variable Administration

Variable Administration

Adding a variable

new empty row;
fill in name and monetary

Naming a variable

Filtering variables

Questions?