

The European Commission's science and knowledge service

Joint Research Centre



EUROMOD Version Control tool

Estefanía Vázquez Torres

EUROMOD Annual Meeting

Milan, 26 September 2019

Outline

1. Version Control (VC) tool: What is it?
2. Importance of using the Version Control tool.
3. Brief explanation of the tool:
 1. Creation of a new VC project.
 2. Creation of a new online bundle.
 3. Advanced options.

Version Control tool: What is it?

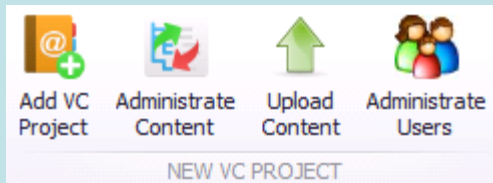
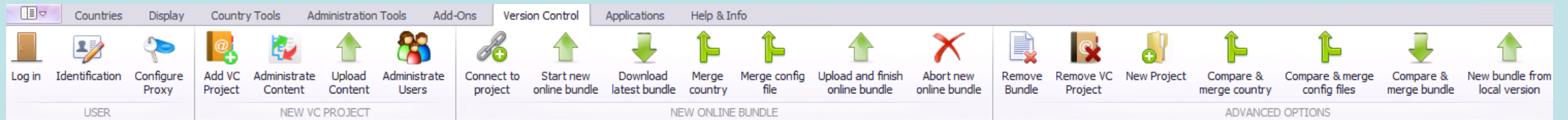
- Tool which allows users (National Team members and developers) to share changes performed to the EUROMOD model.
- Users will be able to:
 - ✓ Download the latest changes.
 - ✓ Compare and merge those changes with their current working version.
 - ✓ Upload a new version to share it with other users.

Importance of using the Version Control tool

Advantages:

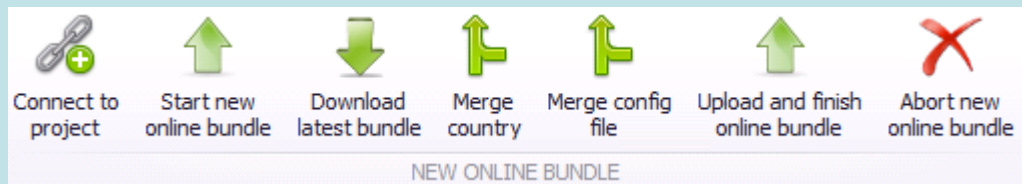
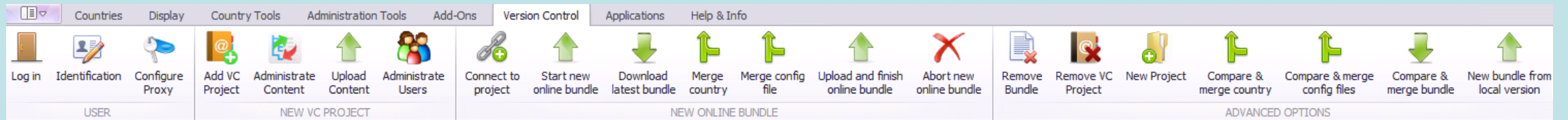
- Easy to use: It can be accessed directly from EUROMOD (it is integrated within EUROMOD).
- Safe:
 - Model will be stored at JRC for EU Member States systems.
 - Files are encrypted before transmitting them.
- Prevent changes from being lost:
 - Compare & Merge process allows users to easily compare two versions of the model and to decide which changes to keep.
 - Different versions can be created and saved per project. All online versions will always be available.

Brief Explanation of the tool



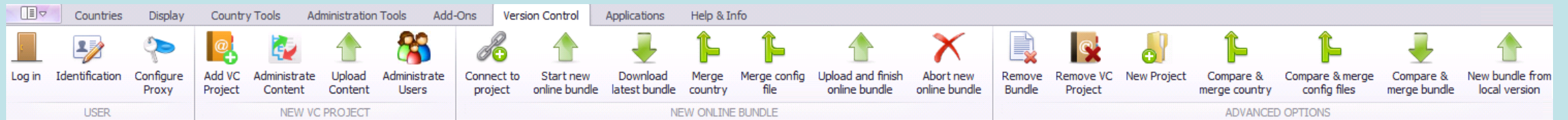
- Add VC Project: Creates a new online "empty" project.
- Administrate Content: Allows choosing the components that will be part of the project.
- Upload Content: Uploads the selected components to the server.
- Administrate Users: Grants users with reading or writing access rights to the project.

Brief Explanation of the tool

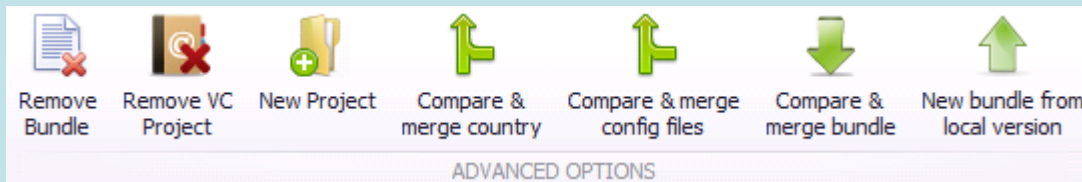


- Connect: Allows connecting to the online bundle.
- Start new online bundle: This button locks the online bundle to prevent other users from performing changes.
- Download latest bundle: The latest online bundle always need to be used as starting point.
- Merge country/config files: Allows comparing country or configuration files.
- Upload and finish online bundle: Uploads the changes and unlocks the online bundle.

Brief Explanation of the tool



- Remove Bundle: Allows removing an specific online version of the project.
- Remove Project: Allows removing an online project.
- New Project: Allows starting a new project based on an existing local or online project.
- Compare/merge bundle: Shows a list of all components and indicates if there are any changes.
- New bundle from local version: Allows uploading a new bundle without following the steps to create a new online bundle.





Any questions?

You can find me at

EUROMOD-JRC@EC.EUROPA.EU

ESTEFANIA.VAZQUEZ-TORRES@EC.EUROPA.EU

What's new in EUROMOD?

Christine Lietz & Kostas Manios

UNIVERSITÀ DEGLI STUDI DI MILANO

Milan, 26 September 2019




New developments

- Executable improvements
- Statistical Library improvements
- HHoT improvements



What's new in the EM3 executable?

- New features
 - DBYearVar
 - StringVariables
 - Conditional constants 
- Command line parameters
 - forceSequentialRun, forceSequentialOutput, globalPath, addOn, extensionSwitch, forceOutputInEuro
- Change xml
 - Allows calling the executable with a baseline system and a “change xml” file, as opposed to having to create a full reform system each time
- Can be called as a library
 - Prerequisite for building advanced tools

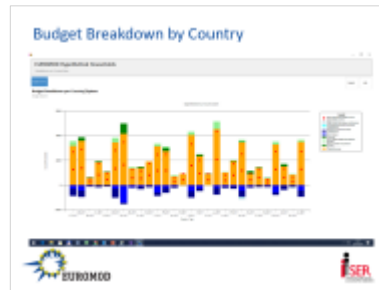
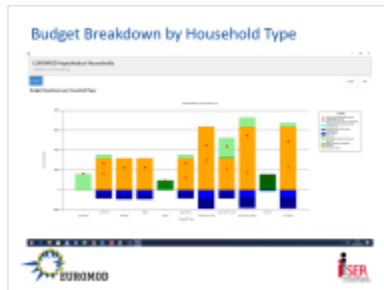
What's new in the Statistical Library

- Complete redesign of the Statistical Library
- New calculation engine which is faster & more flexible
- Uses XML templates which can be easily hand-coded by advanced users
 - Makes it easier to build new templates and maintain existing ones
- Fully supports graphs
- Can work with data from disk or memory
- We still need to develop a new Statistics Presenter plugin to take full advantage of the new library's flexibility (e.g. to show custom html pages with multiple tables and graphs)

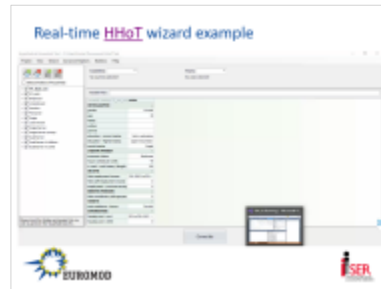


What's new in HHoT?

- HHoT-specific statistical templates with graphs



- HHoT Wizard



Thank you!



Conditional Constants example

Uprate_uk		on
ConstDef_uk		on
DefConst		on
Condition	1	drgn1 = 8
\$ChBen	1	500
\$LivWage	1	1000
Condition	2	drgn1 = 10
\$ChBen	2	600
\$LivWage	2	1100
Condition	3	drgn1 != 8 && drgn1 != 10
\$ChBen	3	400
\$LivWage	3	800
DefConst		on
DefConst		on

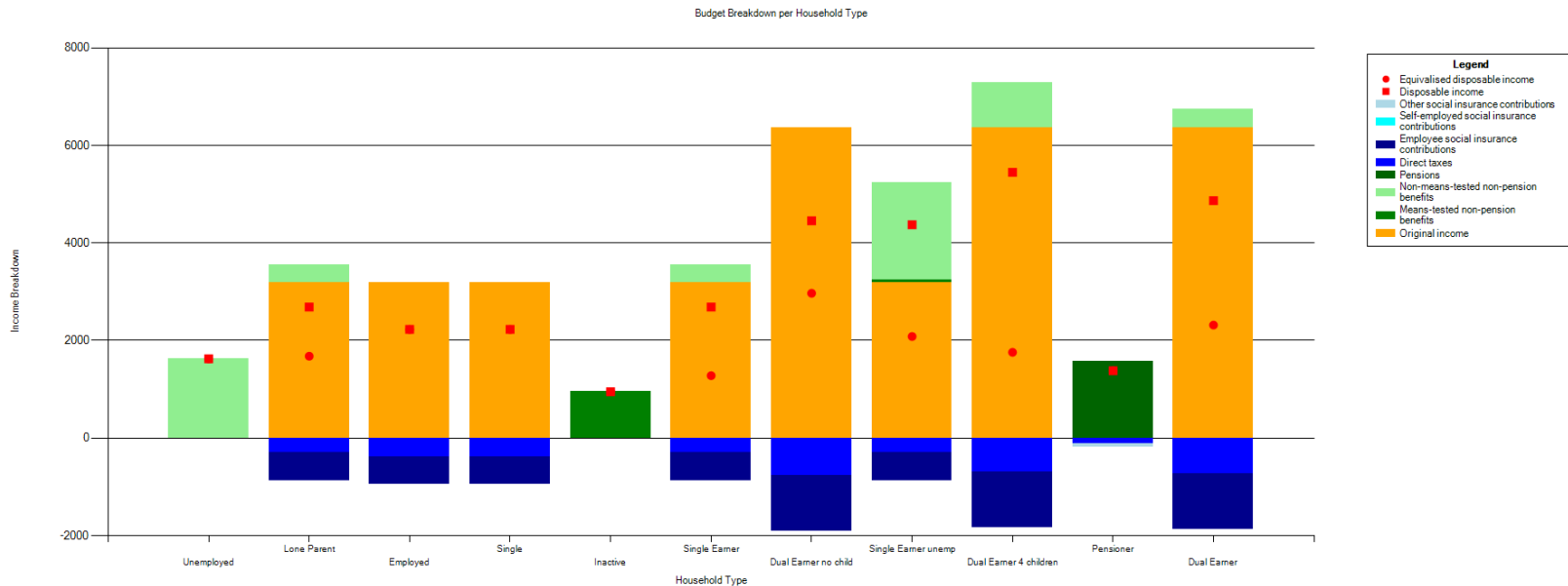
Budget Breakdown by Household Type

EUROMOD Hypothetical Households
Breakdown per Household Type

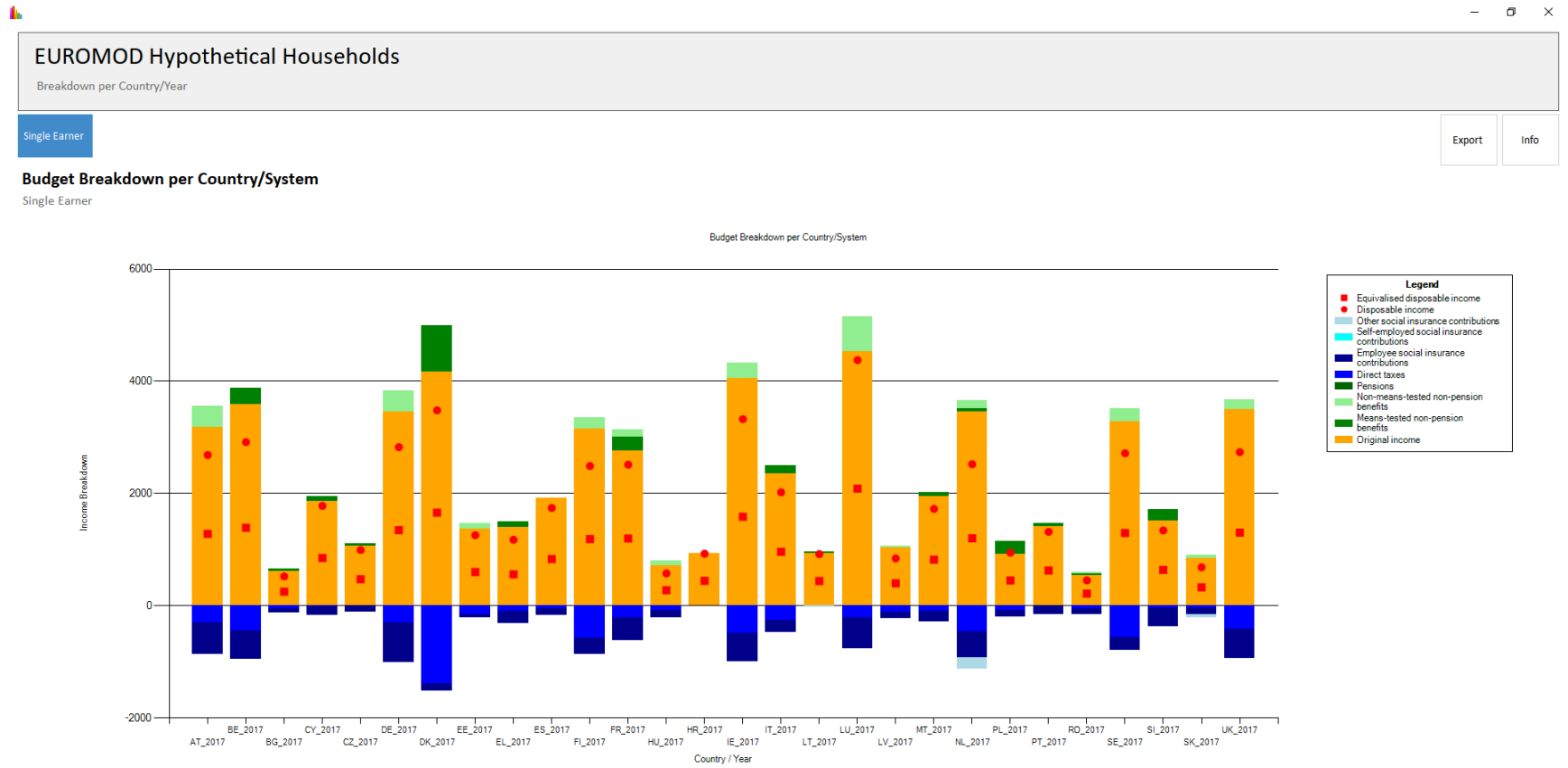
AT_2017

Export Info

Budget Breakdown per Household Type



Budget Breakdown by Country/System



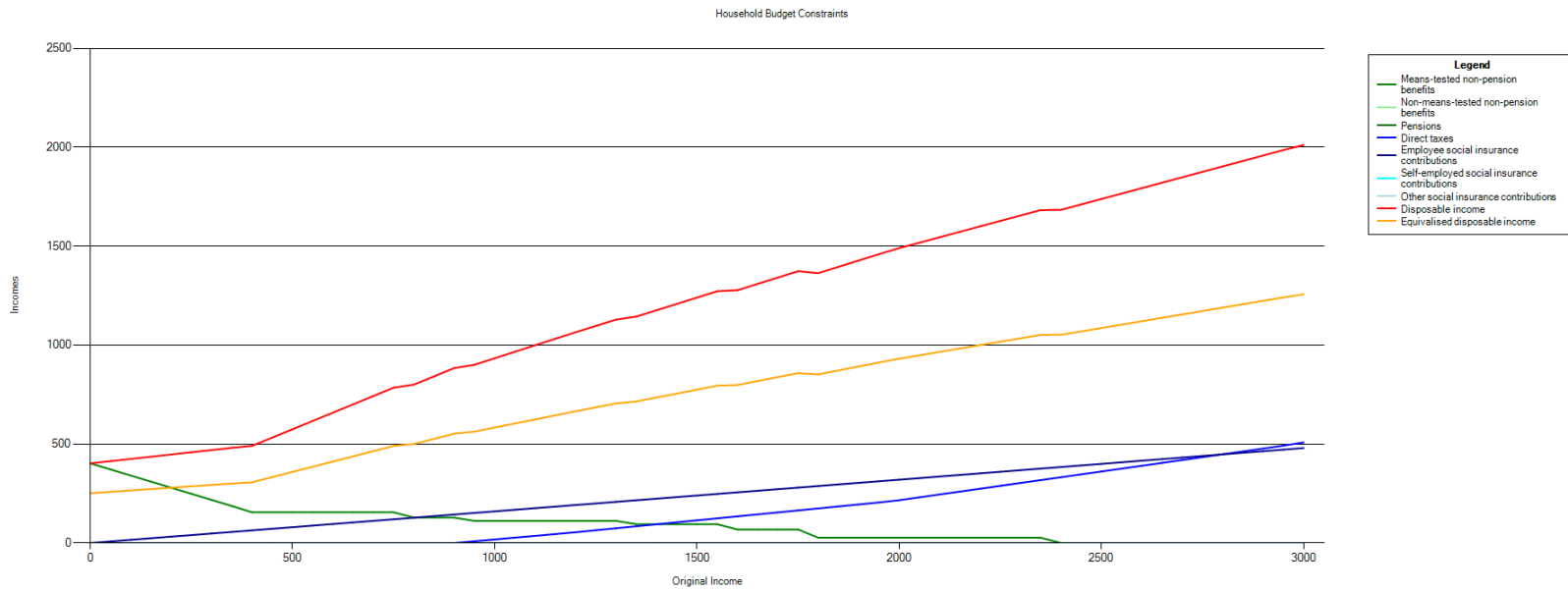
Household Budget Constraints

EUROMOD Hypothetical Households
Budget Constraints

Lone Parent, EL_2017

Export Info

Household Budget Constraints, Lone Parent EL_2017



Statistics Wizard

Statistics Wizard

Countries: AT, BE, CZ, EL **Years:** 2015, 2016, 20...

Selected countries: AT, BE, CZ, EL Selected years: 2015, 2016, 2017, 2018

Statistic

Budget Constraints Break Down HH Types Break Down Country/Year

Household Type:

- Employed
- Unemployed
- Inactive
- Single
- Lone Parent
- Single Eamer
- Dual Eamer

Specifications Budget Constraints

Person in HH: Adult1

Range Hours, Fixed Wage Range Income, Fixed Wage

Range Wage, Fixed Hours Range Income, Fixed Hours

Income from 0 to 3000 Step 50

Hours 50

Produce all output in Euro

Start Cancel

Real-time HHoT wizard example

Hypothetical Household Tool - C:\Users\Kostas\Documents\HHoT Test

Project View Wizard Advanced Options Statistics Help

Select/Unselect all households

SF_bud_con
 SF_metr
 Employed
 Unemployed
 Inactive
 Pensioner
 Single
 Lone Parent
 Single Earner
 Single Earner unemp
 Dual Earner
 Dual Earner 4 children
 Dual Earner no child

Countries: Years:
No countries selected! No years selected!

Variable Filter:

Currently viewing: SF_bud_con Adult1

DEMOGRAPHIC	
gender	Female
age	40
father	
mother	
partner	
education - current status	Not in education
education - highest status	Upper Secondary
marital status	Single

LABOUR MARKET	
economic status	Employee
hours worked per week	40
in work : work history (length c	120

INCOME	
Main employment income	0%-200% of EU...
Main self-employment income	0
employment : previous earning	0

BENEFIT/PENSION	
Main contributory old-age pen:	0

ASSETS	
main residence : tenure	Rented

EXPENDITURE	
housing cost : rent	20% of EU-SILC ...
housing cost : other	0

Please check the families and people that you wish to generate the Household Data for.

Generate