# REFORMING A POLICY IN EUROMOD:

Increasing the Minimum Wage in Portugal

European Microsimulation Modelling for Policymaking 28 May 2015





# Reforming a policy





# Which policy reform?

- Minimum Wage (MW) guarantees a minimum remuneration to all employees in Portugal
- In 2013, it amounted to €485 per month and it was payable 14 times a year
- Proposed policy reform: increase the minimum wage by 20%





## **EUROMOD** User Interface





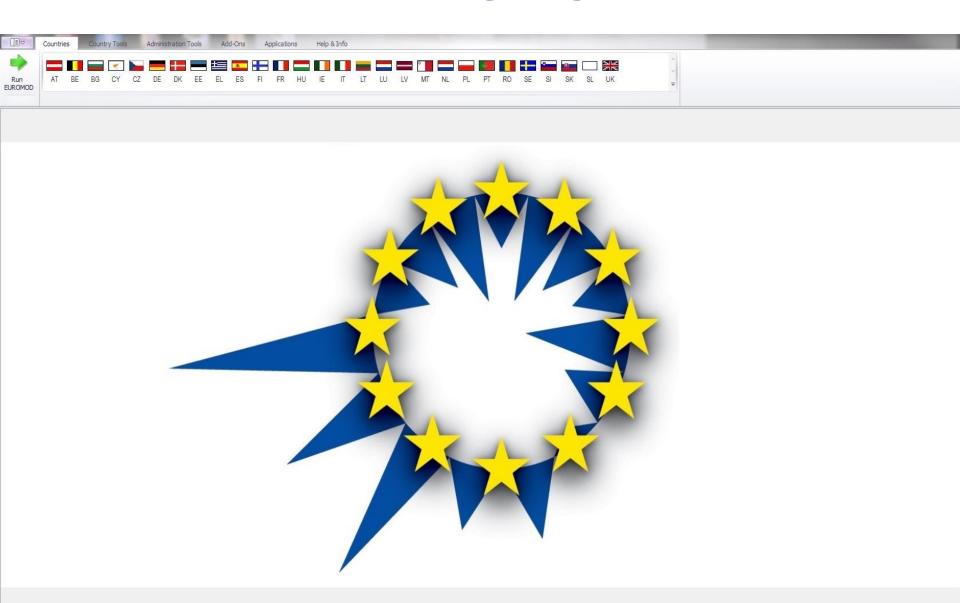
# **EUROMOD User Interface (UI)**

- Stand-alone piece of software Windows OS
- Mostly point and click but some hot keys are available (standard and specific)
- Key features:
  - ribbon bar with tabs
  - context menus
  - IntelliSense (suggestion of parameter values)
  - drag and drop
  - bookmarks and comments
  - built-in help





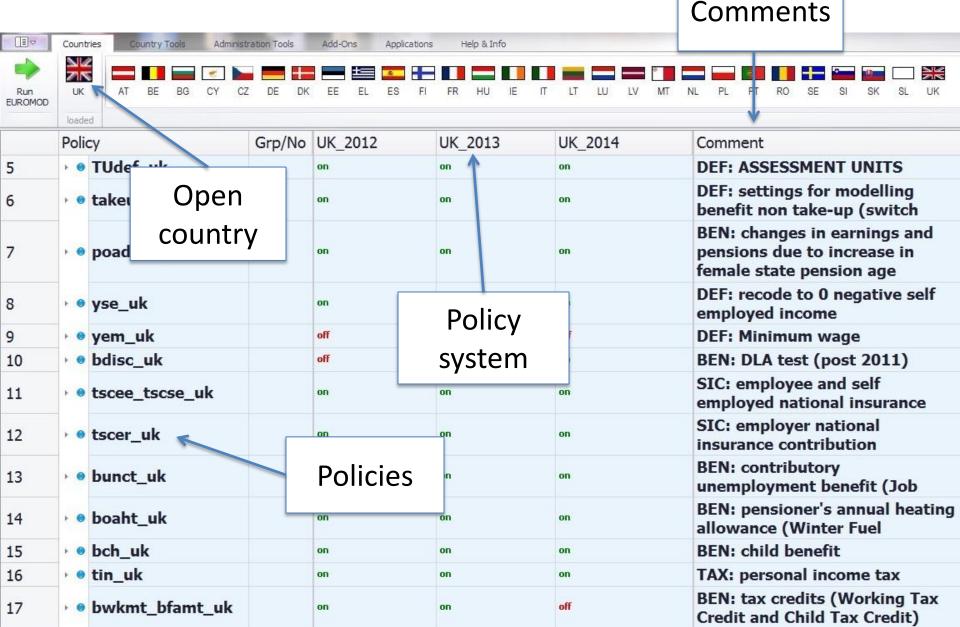
# **EUROMOD UI starting page**



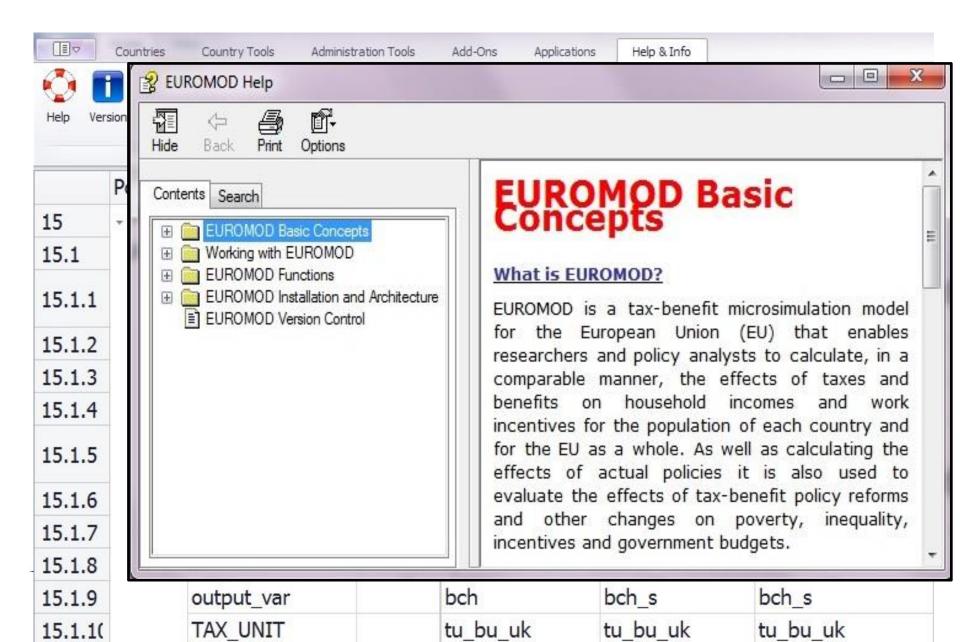
## Ribbon bar



Working environment



# **Built-in help**

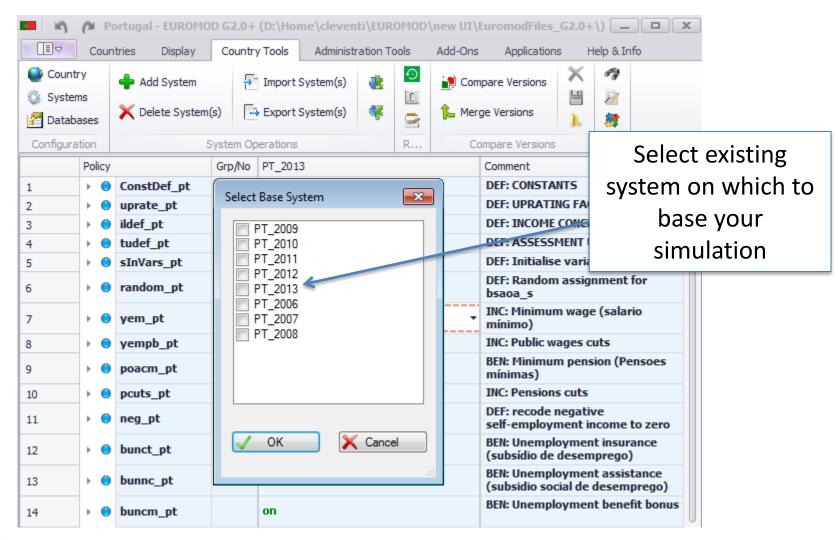


# Implementation of the policy reform in EUROMOD





#### Create a new policy system based on PT\_2013 – we can call it PT\_2013\_REF

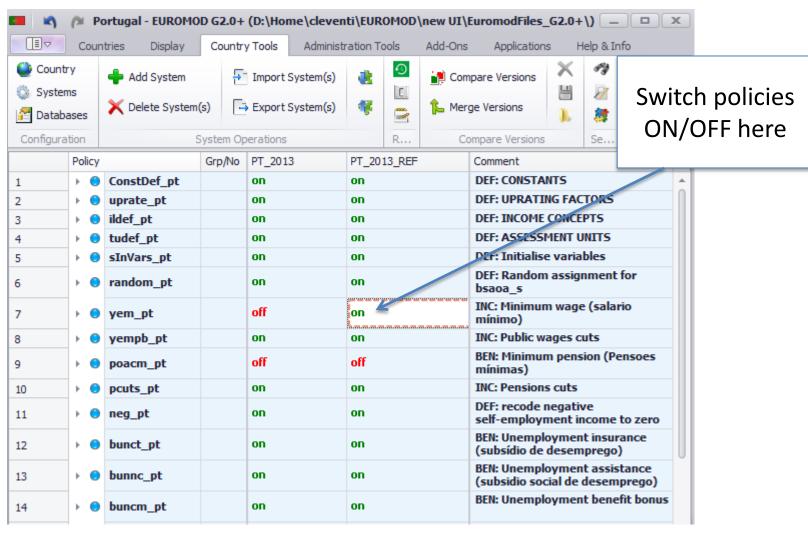








#### Switch on the Minimum Wage policy (yem\_pt)

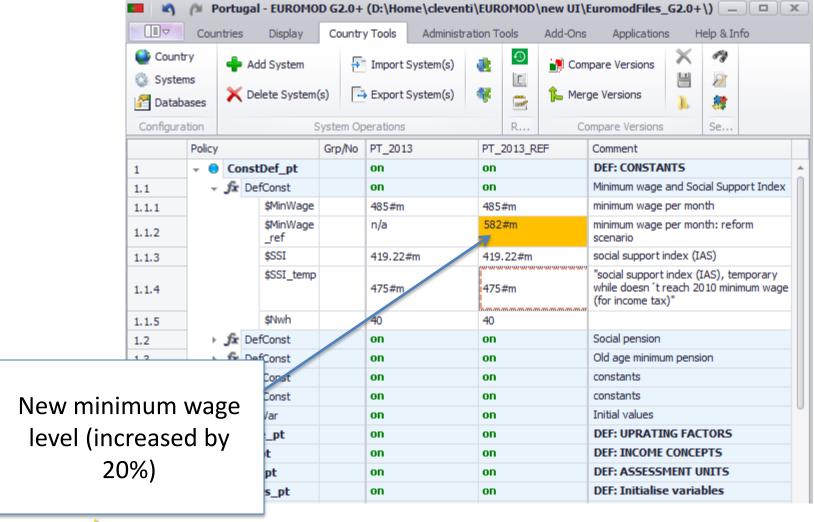








#### Add a constant with the new minimum wage level (\$MinWage\_ref)

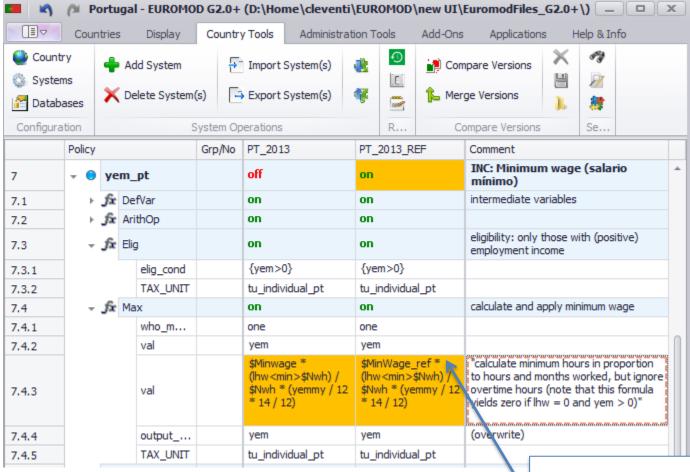








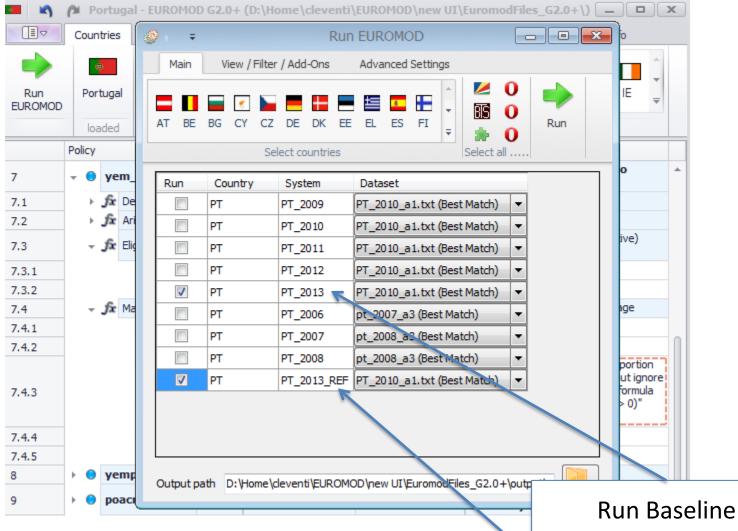
#### Use the new wage level in the Minimum Wage policy





Reforming a Policy in EUROMOD: Increasing the Minimum Wage in Portugal 14 / 19 Minimum wage constant with the new MW level (\$MinWage\_ref)

#### **Run EUROMOD**



EUROMOD

Reforming a Policy in EUROMOD: Increasing the Minimum Wage in Portugal 15 / 19 (PT\_2013) and Reform system (PT\_2013\_REF)

## Implications of the reform

- Everyone's employment income at or below the old minimum wage level will be raised to the new minimum level
- People affected might:
  - be minimum wage earners
  - have under-reported their incomes/working hours in EU-SILC
  - be part of the informal economy etc.
- Assume full enforcement of policy
- Assume no behavioural responses





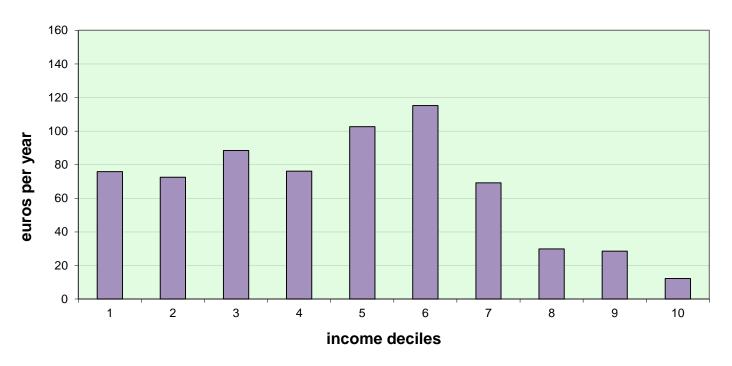
## Results





## Results: Equivalised Household Disposable Income

#### Changes in equivalised household disposable income



Notes: Income deciles were constructed according to the modified OECD equivalence

scale, based on equivalised disposable income in the baseline scenario.

Source: EUROMOD (version G2.0+)





## **Results: Poverty and inequality**

		baseline	reform scenario
At risk of poverty (%)using a fixed poverty line			
total population		16.4	15.9
	male	15.5	15.0
	female	17.3	16.7
age			
	0 - 17	21.7	20.5
	18 – 65	14.6	14.1
	65+	17.6	17.5
Inequality			
Gini c	oefficient	0.306	0.303

Notes: The poverty rate is the proportion of population living in households with income below the poverty line.

The poverty line is fixed at 60% of the baseline median.

Source: EUROMOD (version G2.0+).





# Thank you!

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