



EVROPSKÁ UNIE Evropské strukturální a investiční fondy Operační program Výzkum, vývoj a vzdělávání



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### Principles of Income and Property Taxation: Introduction to Taxation



#### **Required Study Materials**

- Presentations in InSIS
- Other study texts in InSIS



#### What is a Tax?

- Monetary (CZK, EUR, USD, etc.)
- Mandatory
- Nonequivalent (=taxpayer receives "nothing" concrete in returt)
- Non-Specific charge (taxes are used for various purposes)
- Revenue of Public Budgets/Government Budget
- Enacted by the law (e.g.: Income Tax Code)

## Functions of TaxesFiscal = tax revenues

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- Allocation (allocation of sources on some special purposes, theory of free market failure and lack of efficiency of free market)
- Redistribution of incomes ⇒ progressive tax rate of PIT (higher incomes are taxed more)
- Stimulative (lower tax rates may support a special activities in economy or
- Macroeconomic = stabilize tax revenues during the economic cycle (growth x recession)



#### Task:

Suggest the main principles of a tax policy.

### Principles of Tax Policy (1)

- Neutrality = e.g.: Taxation should seek to be neutral and equitable between forms of business activities (PIT x CIT, VAT tax rates)
- Efficiency = Compliance costs to business and administration costs for governments should be minimised as far as possible.
- Certainty and simplicity = Tax rules should be clear and simple to understand, so that taxpayers know where they stand. A simple tax system makes it easier for individuals and businesses to understand their obligations and entitlements.

## Principles of Tax Policy (2)

- Effectiveness and fairness = The potential for evasion and avoidance should be minimised.
  - Evasion (illegal) x avoidance (mostly legal)
- Flexibility = Taxation systems should be flexible and dynamic enough to ensure they keep pace with technological and commercial developments.
  - It is important that a tax system is dynamic and flexible enough to meet the current revenue needs of governments while adapting to changing needs on an ongoing basis.
- Ability to pay = e.g.: PIT, object of taxation is real taxpayer's salary, some taxes do not reflect this ability (e.g.: property taxes)



#### Task:

 Design all components of a tax (e.g.: tax rate).

#### **Components of Taxes**

- Tax object
- Tax subject (taxpayer)
- Tax exemptions
- Tax base
- Tax deductions
- Reduced tax base
- Tax rate
- Tax before credits
- Tax credits =
- Tax liability/tax overpaid



#### **Objects of Taxation**

- Income (PIT, CIT, social and health insurance contributions)
- **Property** (gifts, inheritance, real estates)
- Consumption (Excise taxes, VAT, road tax, ecological taxes)
- "Head" (lump sum tax)
- Task: What are advantages and disadvantates of taxing these objects?



#### Tax Base

- **Nominal** tax base (in EUR, USD, CZK etc.)
- Specific tax base (in physical units)
- Income taxes + VAT + Gift taxes + Inheritance taxes are expressed by NOMINAL tax base
- Excise taxes + Road tax + Ecological taxes + Real estate taxes are expressed by SPECIFIC tax base



#### **Tax Deductions**

- Decreasing the tax base
- Absolute (in currency) x relative (in %)
- Standard (standard tax deduction on taxpayer) x non-standard (in some special cases, it has to be proved, no limit, e.g.: tax loss)



#### Tax Rate

- Single (e.g. 19 %) x differentiate (e.g. 10 %, 15 %, 21 %)
- Fixed (e.g. CZK 10 per 1 m<sup>2</sup>) x relative (progressive, linear, regressive)

Task: Desing the progressive tax rate for PIT.



#### **Progressive Tax Rate**

Salary	Tax Rate	
CZK 0 – 100 000	10 %	-
CZK 100 001 – 250 000	25 %	CZK 10 000 + 25 % from this tax bracket
CZK 250 001 and more	33 %	CZK 10 000 + 37 500 + 33 % from this tax bracket

source: author

e.g.: salary of CZK 300 000 Tax: CZK 47 500 + ((300 000 – 250 000) \* 0,33) = **CZK 64 000** 



#### **PIT Rates in Austria**

Income (EUR) up to	Marginal rate %
11 000	0
18 000	25
31 000	35
60 000	42
90 000	48
1 000 000	50
Above	55*)

\* The top marginal tax rate of 55% applies only until 2020.



#### **PIT Rates in Belgium**

Taxable income (EUR)	Marginal rate (%)
0-11 070	25
11 070-12 720	30
12 720-21 190	40
21 190-38 830	45
38 830-and above	50



#### **PIT Rates in Finland**

Taxable income (EUR )	Tax on lower limit (EUR)	Tax on excess income in bracket (%)
16 900-25 300	8	6.25
25 300-41 200	533	17.5
41 200-73 100	3 315.5	21.5
73 100	10 174	31.5



#### **PIT Rates in France**

	Fraction of taxable income (1 share, in Euros)	Rate (in %)
1st bracket	Up to 9 807	0
2nd bracket	From 9 807 to 27 086	14
3rd bracket	From 27 086 to 72 617	30
4th bracket	From 72 617 to 153 783	41
5th bracket	From 153 783	45



#### **PIT Rates in Ireland**

Band of taxable Income (EUR)				
Single/Widow(er)	Married couple (one income)	Married couple (two incomes)	One-parent families	Rate (%)
Up to 33 800	Up to 42 800	Up to the lesser of: 67 600; 42 800 plus the amount of the lowest income	37 800	20
Balance	Balance	Balance	Balance	40



#### **PIT Rates in Korea**

Over (KRW)	Not more than (KRW)	Marginal tax rate (%)
0	12 000 000	6
12 000 000	46 000 000	15
46 000 000	000 000 88	24
88 000 000	150 000 000	35
150 000 000	500 000 000	38
500 000 000		40



#### **PIT Rates in Netherlands**

Taxable Income (EUR)	Tax Rate (%)	Social security	contributions
		< 65 years	> 65 years
0-19 982	8.90	27.65	9.75
19 982-33 791	13.15	27.65	9.75
33 791-67 072	40.80	-	-
67 072 and over	52	-	-



#### **PIT Rates in Norway**

Rate (%)	NOK
0	0-164 100
0.93	164 100-230 950
2.41	230 950-580 650
11.52	580 650-934 500
14.52	934 500 and over

#### PIT Rates in Portugal + Surtax

Taxable income (EUR) (R)	Marginal tax rate (%) (T)	Amount to deduct (EUR) (K)
Up to 7 091	14.50	-
Over 7 035 up to 20 261	28.50	992.74
Over 20 100 up to 40 522	37.00	2 714.93
Over 40 200 up to 80 640	45.00	5 956.69
Over 80 640	48.00	8 875.89
source: author		
Taxable income (EUR) (R)	Tax rate (%) (T)	
Up to 20 261	0	
Over 20 261 up to 40 522	0.88	
Over 40 522 up to 80 640	2.75	
Over 80 640	3.21	
source: author		



#### **PIT Rates in Slovak Republic**

Annual taxable income (EUR)*	Rate (%)
0-35 022.31	19
35 022.31 and over	25

\* Employee's social security contributions (see 1.12.) are deductible for income tax purposes.



#### **PIT Rates in Slovenia**

Taxable income (EUR)	Tax rate (%)
Up to 8 021.34	16
8 021.34-20 400.00	27
20 400.00-48 000.00	34
48 000.00-70 907.20	39
Above 70 907.20	50



#### **PIT Rates in Spain**

Taxable income (EUR)	Tax at the lower limit (EUR)	Tax rate on taxable income in excess of the lower limit (%)
0-12 450	0	9.50
12 450-20 200	1 182.75	12.00
20 200-35 200	2 112.75	15.00
35 200-60 000	4 362.75	18.50
Over 60 000	8 950.75	22.50



#### **PIT Rates in Sweden**

Taxable Income (SEK)	Tax (SEK) at lower bracket	For exceeding income, %
0-438 900	0	0
438 900-638 500	0	20
over 638 500	39 120	25



#### **PIT Rates in UK**

Taxable income (GBP)	Rate %
0-33 500	20
33 500-150 000	40
Over 150 000	45



#### **PIT Rates in USA**

#### Federal Income Tax rates

Taxable income bracket (USD) <sup>1</sup>		Marginal tay rate (9/ )	
Single individual	Joint return of married couple	Head of household	- Widi gillal tax late (%)
0 to 9 325	0 to 18 650	0 to 13 350	10
9 326 to 37 950	18 651 to 75 900	13 351 to 50 800	15
37 951 to 91 900	75 901 to 153 100	50 801 to 131 200	25
91 901 to 191 650	153 101 to 233 350	131 201 to 212 500	28
191 651 to 416 700	233 351 to 416 700	212 501 to 416 700	33
416 701 to 418 400	416 701 to 470 700	416 701 to 444 550	35
418 401 and over	470 701 and over	444 551 and over	39.6



#### **Tax Credits**

- Decreasing tax liability
- Absolute (in currency) x relative (in %)
- Standard x non-standard (the same like in the case of tax deductions)



#### **Tax Period**

- Mostly it is a calendar year (January December 2018) or 12 months (April 2017 – March 2018)
- It could be a shorter or longer period (in case of CIT ⇒ consolidation, splitting, etc.)



### **Types of Taxes**

- Direct taxes taxpayer is known (income taxes, property taxes, social security contributions)
- Indirect taxes taxpayer is unknown (excise taxes, VAT)
- **Common taxes** (PIT, CIT, VAT, excise taxes)
- Capital taxes (property taxes, road tax)
- No tax period (tax on the acquisition of real estate)
- With tax period (PIT, CIT, VAT, road tax, etc.)



#### Flat Tax

- By Robert Hall and Alvin Rabushka (1986)
- Flat tax is based on broad tax base
- and low tax rate
- Many of new-EU member countries have linear tax rates but not the concept of flat tax as it is known



#### Tax Quota

- Tax revenues + social security contributions / GDP
- Total tax burden in macroeconomic point of view
- The rate of total redistribution in the economy (share of public sector and its importance in the economy)
- Planning business strategy = Where should I grow and run my business? Taxing profits, shares, taxing wages etc.







Source: DG Taxation and Customs Union, based on Eurostat data



#### **Structure of Tax Revenues**

- Tax mix
- Share of each tax on the total tax revenues

#### Tax Mix in the OECD - 1965



- Personal income tax
- Social security contributions Payroll taxes
- Property taxes

source: OECD

Specific consumption taxes

- Corporate income tax
- General consumption taxes
- Other taxes

#### Tax Mix in the OECD - 2013



## Trends in Taxation in OECD (1965 – 2013) in p.p.

	1965	2013	Difference
Personal income tax	26	25	-1
Corporate income tax	9	8	-1
Social security contributions	18	26	9
Payroll taxes	1	1	0
Property taxes	8	6	-2
General consumption taxes	12	20	8
Specific consumption taxes	24	10	-14
Other taxes	2	3	1
Total	100	100	-

## Tax Mix in the Czech Republic in 2016 (in %)





#### **Graph 5:** Structure of tax revenues by major type of taxes, 2016 (<sup>1</sup>)

(% of total taxes)



source: eurostat





source: eurostat





source: eurostat



#### Implicit Tax Rate x Effective Tax Rate

- Almost the same: implicit tax rate (Eurostat), effective tax rates (OECD)
- ITR (ETR) = tax / gross disposable income (or other value e.g.: consumption)
- Note: Make a difference between the nominal (statutory) tax rate and effective (or implicit) tax rate. What is more relevant?









(\*) The ITR on consumption is the ratio of the revenue from all consumption taxes to the final consumption expenditure of households.





#### Graph 13: Composition of the implicit tax rate on labour, 2016

Source: DG Taxation and Customs Union, based on Eurostat data





Source: DG Taxation and Customs Union, based on Eurostat data



#### **Optional Reading**

- <u>http://www.oecd-</u> <u>ilibrary.org/docserver/download/2314251ec00</u>
  <u>5.pdf?expires=1456174372&id=id&accname=</u> <u>guest&checksum=2CFA194BB1FFB91F02C8</u>
  <u>423AD01029B2</u>
- <u>http://ec.europa.eu/taxation\_customs/resourc</u> <u>es/documents/taxation/gen\_info/economic\_an</u> <u>alysis/tax\_structures/2014/report.pdf</u>