

MAIN RESULTS OF THE JOINT OECD-EC PROJECT: Indicators of unemployment, inactivity and low-wage traps

<u>Giuseppe Carone</u> DG ECFIN-European Commission

Workshop Indicators and Policies to Make Work Pay European Commission - DG Economic and Financial Affairs 17 March 2005 -Bruxelles

1



OUTLINE

Main features of the Joint EC-OECD Project

- -Family « types »
- -Components of the calculation
- Analytical formulation
- Model results and indicators of financial incentives to work (METRs and NRRs)
 - Indicators of the transition from work to unemployment
 - Indicators of the transition from unemployment to work

Major strengths and weaknesses of METR indicators



MAIN FEATURES OF THE JOINT EC-OECD TAX-BENEFIT PROJECT

BASIS OF THE CALCULATION: Legal rules that in each country for each household

SIX « TYPICAL » HOUSEHOLDS

<u>Family composition</u>	<u>Children</u>	<u>Earnings as % of</u> <u>the APW</u>
1- Single	0	0-200
2- One Earner Couple	0	0-200
3- Two Earner Couple	0	$1^{st}: 67 + 2^{nd}: 0-200$
4- Lone parent	2	0-200
5- One Earner Couple	2	0-200
6- Two Earner Couple	2	1 st : 67 + 2 nd : 0-200
STANDARD ASSUMPTIONS :	- adults are	40 years old

- children are aged 4 and 6

UNIT OF MEASURE

APW : (average wage of a full-time production worker in manufacturing sector)



TAX-BENEFIT PROJECT : Components of the calculation

- Earnings (Gross wages) (GI)
- ✓ Income Taxes (IT)
- Social Insurance Contributions (paid by employees or benefit recipients) (SSC)
 - (but calculation possible also with employers'SSC)
- In-work tax credit (employment-conditional tax credits) (IWB)
- Family Benefits (including employment-conditional benefits where they are family related) (FB)
- Social Assistance benefits (minimum income support, and other kind of last-resort safety nets) (SA)
- Housing Benefits (normally including any strictly housing related parts of minimum income programs. (HB) All accommodation is assumed to be rented. Housing rent is assumed to be constant at 20% of the average production worker wage level
- **Unemployment Benefits** (including both unemployment insurance & unemployment assistance) **(UB)**

NOT INCLUDED: Disability benefits, childcare costs and childcare services, (voluntary and old-age) pension payments as well as any income from capital 4

<u>A set of indicators based on METRs</u> (Marginal effective tax rates)

	TRAPS"	INDICATORS	LM TRANSITION
1)	Low-wage trap	METR _{lw}	From low to higher wage
			From part-time to full time
2)	Inactivity trap	METR _{it}	From inactivity to work
3)	<u>Unemployment trap</u>	METR _{ut}	From unemployment to work
		u	\$
+ (Net Replacement Rate)	(NRR)	From work to unemployment

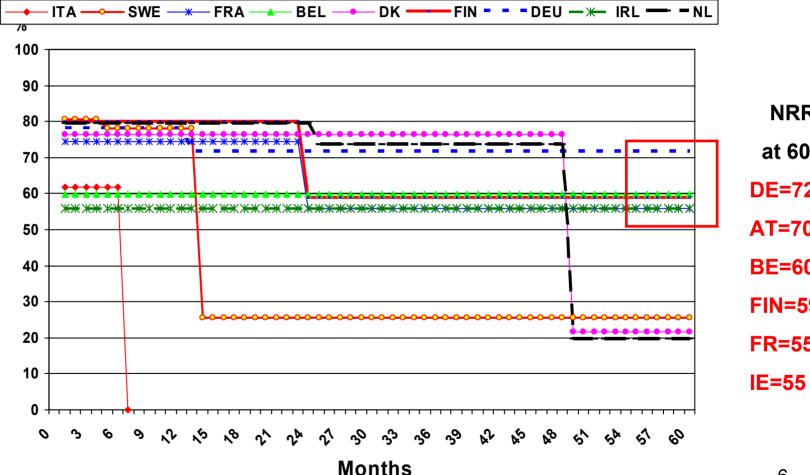


NRR: TIME – PROFILE over 60 months

One Earner couple with 2 children

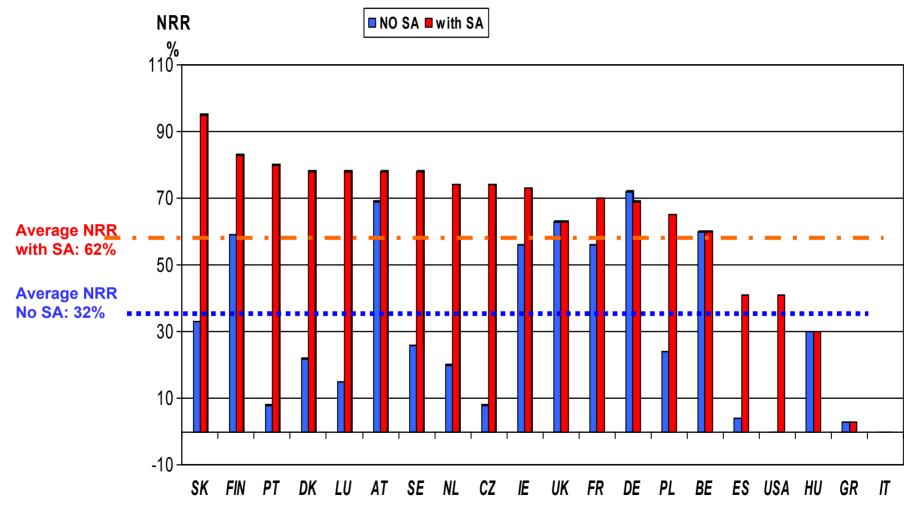
(100%APW)

NRR



Long-Term Unemployment: NRR after 5 Years

One earner couple with 2 children- average wage (100% APW) (Entitled and not entitled to social assistance)

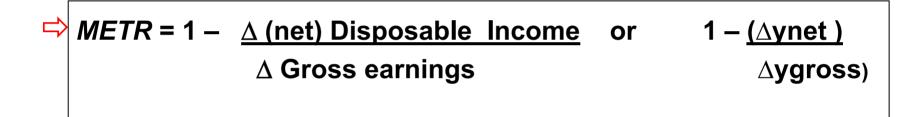


7



METR CALCULATION

- ⇒ Calculate for each of the 2 labour market states A, B :
 - $\Delta GE = \text{ the "additional earnings" (} \Delta \text{ Gross earnings)}$ (usually 1% of APW, but can be higher)
 - ΔNDI = the change in disposable income, after taxes and benefits



Disentangling the contribution of each component of METR

 $METR = \underline{A \ IT} + \underline{A \ SSC} - \underline{A \ in \ HB} - \underline{A \ FB} - \underline{A \ SA}$

⊿ GE

METR = **<u>S</u>** (Marginal tax rate & Benefit (withdrawal) rate)



A POLICY RELEVANT APPLICATION

A measure of disincentives to work for the spouse **Does Work pay for the second earner?**

Is there a risk of inactivity trap or unemployment trap for: 2nd earner? How to measure it ?

Calculate the METRs on household income for the transition from unemployment /inactivity to work of the 2nd earner

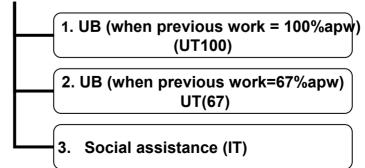
(for a wide range of entry-wage levels)

Family composition and LM status

1st Spouse working, earnings = 67% of APW

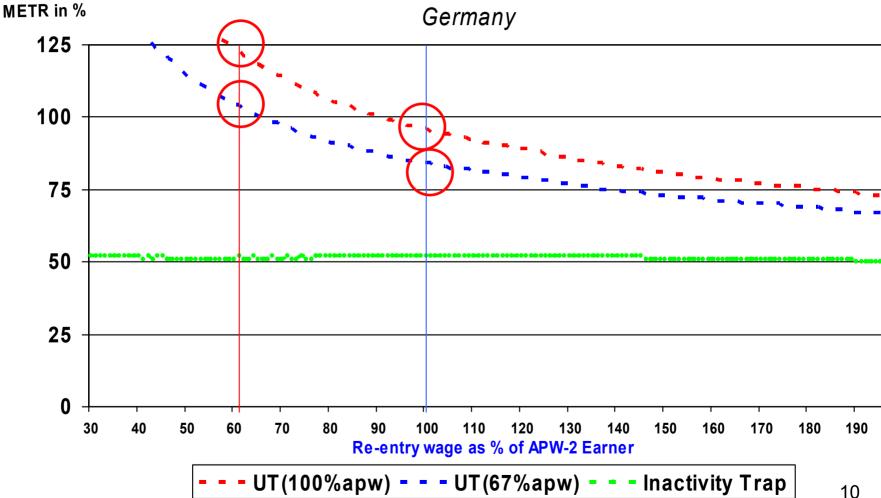
Currently out-of work

• 2st Spouse ⇒ (Receiving UB or SA if entitled)





METR at different re-entry wage rates



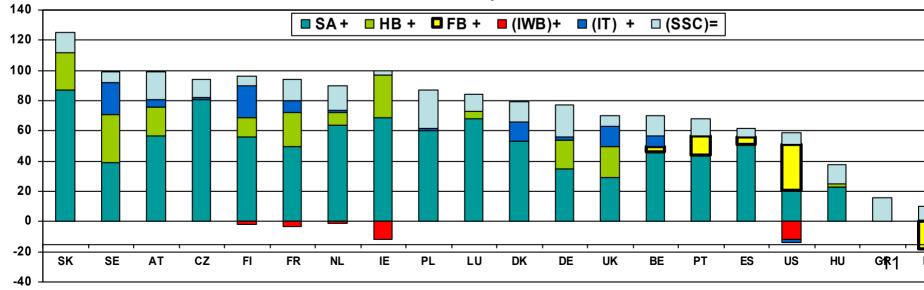
Main Determinants of the Inactivity trap indicator for a jobless househo

Moving from social assistance to work, at a wage level equivalent to 67%

Components of METR SK US BE DK DE GR ES FR IE LU NL AT PT FL SE I UK CZ HU PL IT SA +Withdrawal of HB +Withdrawal of FB + Withdrawal of -18 In-work tax credit (IWB)+ -12 -2 -12 -3 -1 **Income Tax** (IT) +-2 Social Contributions (SSC)= METR .89

One-earner couple, with 2 children -2003

Metr & Components



Inactivity trap Indicator

2003

Marginal effective tax rate when moving from social assistance to work

Family Type	% of APW	BE	DK	DE	GR	ES	FR	IE	IT	LU	NL	AT	РТ	FI	SE	UK	cz	HU	PL	SK
	50%	68	- 90	- 00-	16	51	58		12	89	92	07	51	83		79	70	46	69	87
0 in als	67%	67	81	81	16	44	68	73	19	76	86	75	43	76	82	71	59	43	60	72
Single	100%	63	71	72	16	40	59	59	26	61	73	64	37	65	67	58	49	42	52	56
	150%	62	68	68	21	37	51	55	32	56	60	57	36	60	59	50	42	48	46	47
	50%	74	71	89	16	61	57	100	7	79	98	100	56	92	100	84	91	46	75	125
1 earner	67%	69	82	81	16	49	82	90	12	87	93	87	56	89	98	82	78	43	74	110
couple	100%	63	77	70	16	41	64	69	24	73	80	72	55	76	77	67	64	42	61	81
	150%	60	71	62	21	37	53	57	30	58	64	63	45	67	66	55	53	48	52	64
	50%	40	66	47	16	15	22	12	28	33	36	20	14	25	26	22	29	12	32	19
2 earners	67%	46	60	48	16	17	25	17	30	30	38	25	16	28	28	24	28	18	33	20
couple*	100%	49	57	50	16	22	29	21	34	30	41	30	18	33	31	27	28	26	33	20
	150%	52	59	51	21	25	31	24	37	31	39	35	21	38	35	29	29	37	33	24
(with 2 hildren)	% of APW	BE	DK	DE	GR	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	CZ	HU	PL	SK
	50%	81	94	89	16	68	54	48	0	85	84	100	56	64	65	50	93	46	79	112
Lone parent, 2	67%	73	81	86	16	57	81	24	-4	82	81	84	56	65	63	60	79	37	67	94
ch.	100%	67	76	75	16	46	68	37	16	60	73	71	62	63	60	65	67	34	66	73
	150%	64	71	67	18	40	54	38	27	53	60	62	52	58	55	57	56	43	56	60
1 earner	50%	74	72	89	16	74	54	96	-4	75	93	100	74	92	100	63	100	46	100	125
couple with 2	67%	69	79	77	16	62	90	88	-8	84	89	99	69	94	100	70	95	37	87	125
children	100%	63	78	70	16	47	74	73	13	77	80	80	65	87	83	73	76	34	73	96
	150%	60	73	62	18	41	58	59	26	58	64	68	62	74	70	63	62	43	64	74
2 earners	50%	40	89	51	16	11	29	28	36	47	40	20	55	40	34	58	30	12	52	34
couple with 2	67%	46	78	51	16	14	29	28	38	38	41	25	44	39	34	52	30	18	47	31
children*	100%	49	69	52	16	19	30	29	41	32	43	30	37	41	35	45	31	26	43	28
	150%	52	67	51	18	23	30	29	42	33	40	35	33	43	38	41	31	37	40	32

inactivity trap

Change in METRs since 2001

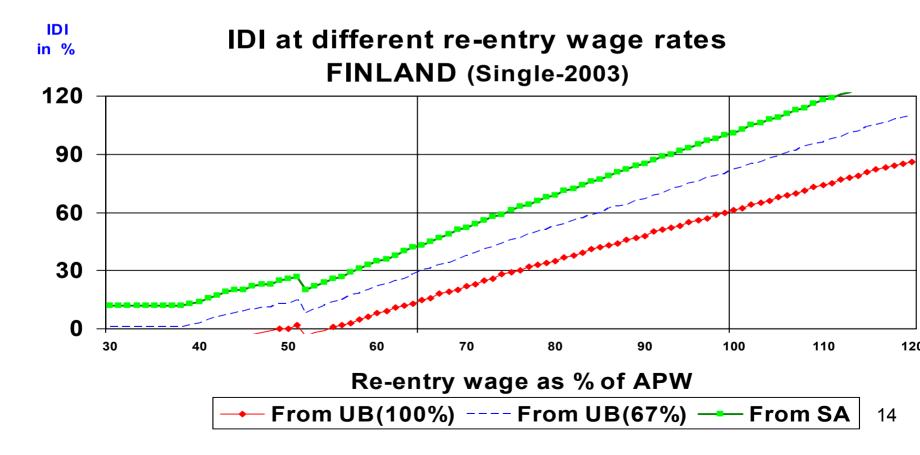
	,										\frown			\frown			\frown	\frown	\frown	
Family Type	% of APW	BE	DK	DE	GR	ES	FR	IE	ΙТ	LU	NL	AT	РТ	FI	SE	υĸ	cz	HU	PL	SK
	33%	$\overline{\nabla}$	-1	0	0	2	-10	0	0	-10	V	0	0		0	0	-4	-9	-1	16
	50%	-3	-1	0	0	1	-15	1	-4	-2	1	0	1	-4	0	0	-3	-9	-3	-26
Single	67%	0	-1	1	0	0	-3	1	-1	0	2	0	1	-2	-1	0	-4	-10	-3	-23
	100%	0	-1	1	-2	0	-1	0	-1	-1	2	0	1	-2	-1	1	-2	-7	-2	-16
	150%	0	-1	1	0	0	-1	1	1	-2	1	1	1	-1	-1	1	-1	-3	-1	-10
	33%	0	0	0	0	2	-13	0	0	-16	2	0	0	-13	0	0	0	-9	0	0
4	50%	-3	0	0	0	1	-15	0	-1	-11	2	0	0	-6	0	0	-8	-9	-3	0
1 earner couple	67%	0	0	1	0	1	-4	3	-1	-8	1	2	0	-2	-1	0	-4	-10	-4	-14
	100%	0	0	1	-2	1	-1	2	0	0	3	1	1	-2	-1	1	-4	-7	-3	-18
	150%	0	0	1	0	0	-1	3	1	-1	1	1	1	-2	-1	1	-3	-3	-2	-11
	33%	-5	-3	2	0	-2	-1	-4	-2	19	5	0	-2	-3	-2	9	-4	-8	0	-25
2	50%	-5	-2	1	0	-2	-1	-2	-5	12	3	0	0	-2	-1	6	-3	-10	0	-17
2 earners couple*	67%	-3	-2	1	0	-2	-2	-2	-2	8	3	1	0	-2	-	5	-2	-9	0	-13
	100%	-2	-1	1	-2	-1	-1	-1	-1	4	2	1	0	-2	-	4	-1	-6	0	-9
	150%	-1	-1	1	0	-1	0	0	0	2	1	1	0	-1	-1	3	-1	-3	0	-5
(with 2 hildren)	% of APW	BE	DK	DE	GR	ES	FR	IE	ІТ	Щ	NL	АТ	РТ	FI	SE	UK	cz	HU	PL	SK
(with 2 hildren)	% of APW 33%	BE -1	4	DE	GR 0	ES -1	-16	9	IT 1	-13	NL 7	AT 0	PT	FI -1	0	UK 37	0	HU -1	PL	0
<u>,</u>								9 -3	1 1				РТ 0						0 -4	0 - 14
(with 2 hildren) Lone parent, 2 ch.	33%	-1	4	0	0	-1	-16	9 -3 -30	1	-13	7	0	Û	-1	0	37	0 -7 -4	-1 1 -1	0 -4 -3	0 -14 -27
Lone parent, 2	33% 50%	-1 -1	4 2	0 0	0 0 0 0	-1 0	-16 -11	9 -3 -30 -23	1 1	-13 -9	7 1	0 1	0 0	-1 -1	0 2	37 0	0 -7	-1 1	0 -4	0 -14 -27 -18
Lone parent, 2	33% 50% 67%	-1 -1 -3	4 2 -1 -1 0	0 0 0	0 0 0	-1 0 -1	-16 -11 0 -1 -1	9 -3 -30	1 1 -2	-13 -9 1	7 1 0	0 1 1	0 0 0	-1 -1 -1 -1 -1 -1	0 2 1	37 0 -1 1	0 -7 -4	-1 1 -1	0 -4 -3	0 -14 -27
Lone parent, 2	33% 50% 67% 100%	-1 -1 -3 -2	4 2 -1 -1 0 2	0 0 0 1	0 0 0 0	-1 0 -1 -1 0	-16 -11 0 -1 -1 -1	9 -3 -30 -23	1 1 -2 -1	-13 -9 1 1 -1 -19	7 1 0 3	0 1 1 1	0 0 10	-1 -1 -1 -1 -1 -1 -13	0 2 1 1	37 0 -1 1 -28	0 -7 -4 -3	-1 1 -1 -5	0 -4 -3 0	0 -14 -27 -18
Lone parent, 2	33% 50% 67% 100% 150%	-1 -1 -3 -2 -1	4 2 -1 -1 0	0 0 0 1 0	0 0 0 0 - 2	-1 0 -1 -1 0	-16 -11 0 -1 -1	9 -3 -30 -23 -15	1 1 -2 -1 0	-13 -9 1 1 -1	7 1 0 3 2	0 1 1 1 1	0 0 10 8	-1 -1 -1 -1 -1 -1	0 2 1 1 -1	37 0 -1 1	0 -7 -4 -3 -3	-1 1 -1 -5 -2	0 -4 -3 0 0	0 -14 -27 -18 -12
Lone parent, 2 ch. 1 earner couple with 2	33% 50% 67% 100% 150% 33%	-1 -1 -3 -2 -1 -1	4 2 -1 -1 0 2	0 0 1 0	0 0 0 - 2 0	-1 0 -1 -1 0 0 -2 -2	-16 -11 0 -1 -1 -1	9 -3 -30 -23 -15 0	1 1 -2 -1 0 1	-13 -9 1 1 -1 -19	7 1 0 3 2 2 -1 -1	0 1 1 1 1 0	0 0 10 8 0	-1 -1 -1 -1 -1 -13 -8 -5	0 2 1 1 -1 0	37 0 -1 1 -28	0 -7 -4 -3 -3 0	-1 1 -1 -5 -2 -1 1 -1	0 -4 -3 0 0 0	0 -14 -27 -18 -12 0 0 0
Lone parent, 2 ch.	33% 50% 67% 100% 150% 33% 50%	-1 -1 -2 -1 -1 -1 -4	4 2 -1 -1 0 2 2	0 0 1 0 0 0	0 0 0 - 2 0 0	-1 0 -1 -1 0 0 - 2	-16 -11 0 -1 -1 -15 -11	9 -3 -30 -23 -15 0 1	1 1 -2 -1 0 1 1	-13 -9 1 1 -1 -19 -12	7 1 0 3 2 2 -1	0 1 1 1 1 0 0	0 0 10 8 0 18	-1 -1 -1 -1 -1 -13 -8 -5 -2	0 2 1 1 -1 0 0 0 0 -1	37 0 -1 1 -28 -2	0 -7 -4 -3 -3 0 0	-1 1 -1 -5 -2 -1 1	0 -4 -3 0 0 0 0	0 -14 -27 -18 -12 0 0 0 0 -24
Lone parent, 2 ch. 1 earner couple with 2	33% 50% 67% 100% 150% 33% 50% 67%	-1 -1 -2 -1 -1 -1 -4 0 0 0	4 -1 -1 0 2 2 1 -1 -1	0 0 1 0 0 0 0	0 0 0 -2 0 0 0	-1 0 -1 -1 0 0 -2 -2	-16 -11 0 -1 -1 -15 -11 1 0 0	9 -3 -23 -15 0 1 1 1 3	1 -2 -1 0 1 1 -1 1 0	-13 -9 1 1 -1 -19 -12	7 1 0 3 2 2 -1 -1	0 1 1 1 1 0 0 3	0 0 10 8 0 18 13	-1 -1 -1 -1 -1 -13 -8 -5	0 2 1 1 -1 0 0 0 -1 -2	37 0 -1 1 -28 -2 -2 -1 1	0 -7 -4 -3 -3 0 0 -5	-1 1 -5 -2 -1 1 -1 -5 -2	0 -4 -3 0 0 0 0 0 -4 1 -1	0 -14 -27 -18 -12 0 0 0 -24 -13
Lone parent, 2 ch. 1 earner couple with 2	33% 50% 67% 100% 150% 33% 50% 67% 100%	-1 -1 -2 -1 -1 -4 0 0	4 -1 -1 0 2 2 1 -1	0 0 1 0 0 0 0 0 0	0 0 0 - 2 0 0 0 0 0 0	-1 0 -1 -1 0 0 -2 -2 -2	-16 -11 0 -1 -1 -15 -11 1 0	9 -3 -30 -23 -15 0 1 1 1	1 -2 -1 0 1 1 -1 1	-13 -9 1 1 -1 -19 -12	7 1 0 3 2 2 -1 -1 -1 2	0 1 1 1 1 0 0 3 2	0 0 10 8 0 18 13 8	-1 -1 -1 -1 -1 -13 -8 -5 -2	0 2 1 1 -1 0 0 0 0 -1	37 0 -1 1 -28 -2 -2 -1	0 -7 -4 -3 -3 0 0 -5 -4	-1 1 -5 -2 -1 1 -1 -5	0 -4 -3 0 0 0 0 0 -4 1	0 -14 -27 -18 -12 0 0 0 0 -24 -13 -71
Lone parent, 2 ch. 1 earner couple with 2	33% 50% 67% 100% 150% 33% 50% 67% 100% 150%	-1 -1 -2 -1 -1 -1 -4 0 0 0	4 -1 -1 0 2 2 1 -1 -1	0 0 1 0 0 0 0 0 0 0	0 0 0 -2 0 0 0 0 0 0 0 0 -2	-1 0 -1 -1 0 0 -2 -2 -2 -1	-16 -11 0 -1 -1 -15 -11 1 0 0	9 -3 -23 -15 0 1 1 1 3	1 -2 -1 0 1 1 -1 1 0	-13 -9 1 -1 -19 -12 -9 -9	7 1 0 3 2 2 -1 -1 -1 2 1	0 1 1 1 0 0 3 2 2	0 0 10 8 0 18 13 8 6	-1 -1 -1 -1 -13 -8 -5 -2 -2 -2	0 2 1 1 -1 0 0 0 -1 -2	37 0 -1 1 -28 -2 -2 -1 1	0 -7 -4 -3 -3 0 0 -5 -4 -4 -4	-1 1 -5 -2 -1 1 -1 -5 -2	0 -4 -3 0 0 0 0 0 -4 1 -1	0 -14 -27 -18 -12 0 0 0 0 -24 -13 -71 -40
Lone parent, 2 ch. 1 earner couple with 2 children 2 earners couple with 2	33% 50% 67% 100% 33% 50% 67% 100% 150% 33%	-1 -1 -2 -1 -1 -1 -4 0 0 0 0 0 -5	4 -1 -1 0 2 2 1 -1 -1 -1 -1 -5	0 0 1 0 0 0 0 0 0 0 0 0	0 0 0 -2 0 0 0 0 0 0 0 -2 0	-1 0 -1 -1 0 0 -2 -2 -2 -1 -1	-16 -11 0 -1 -1 -15 -11 1 0 0 0 -6	9 -3 -23 -15 0 1 1 1 3 -2	1 -1 -1 1 1 -1 1 0 -9	-13 -9 1 1 -1 -19 -12 -9 -9	7 1 0 3 2 2 -1 -1 -1 2 1	0 1 1 1 0 0 3 2 2 0	0 0 10 8 0 18 13 8 6 27	-1 -1 -1 -1 -1 -13 -8 -5 -2 -2 -2 4	0 2 1 1 -1 0 0 0 -1 -2 -2	37 0 -1 1 -28 -2 -2 -1 1	0 -7 -4 -3 -3 0 0 0 -5 -4 -4 -4 -3	-1 1 -5 -2 -1 1 -1 -1 -5 -2 -8	0 -4 -3 0 0 0 0 -4 1 -1 12	0 -14 -27 -18 -12 0 0 0 0 -24 -13 -71
Lone parent, 2 ch. 1 earner couple with 2 children 2 earners	33% 50% 67% 100% 150% 33% 50% 67% 100% 150% 33% 50%	-1 -1 -2 -1 -1 -1 -1 -4 0 0 0 0 -5 -5	4 -1 -1 0 2 2 1 -1 -1 -1 -5 -3	0 0 1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -2 0 0 0 0 0 0 0 0 0 0 0	-1 0 -1 -1 0 0 -2 -2 -2 -1 -1 -1	-16 -11 0 -1 -1 -15 -11 1 0 0 -6 -4	9 -3 -30 -23 -15 0 1 1 1 3 -2 -1	1 -1 -1 1 -1 1 -1 1 0 -9 -8	-13 -9 1 1 -1 -19 -12 -9 -9 -1 22 14	7 1 0 3 2 2 -1 -1 -1 2 1	0 1 1 1 0 0 3 2 2 0 0 0	0 0 10 8 0 18 13 8 6 27 18	-1 -1 -1 -1 -1 -13 -8 -5 -2 -2 4 2	0 2 1 1 -1 0 0 0 -1 -2 -2 -3	37 0 0 -1 1 -28 -2 -2 -1 1 1	0 -7 -4 -3 -3 0 0 0 -5 -4 -4 -4 -3	-1 1 -1 -5 -2 -1 1 -1 -1 -5 -2 -8 -10	0 -4 -3 0 0 0 0 -4 1 -1 12 5	0 -14 -27 -18 -12 0 0 0 -24 -13 -71 -40 -30 -25
Lone parent, 2 ch. 1 earner couple with 2 children 2 earners couple with 2	33% 50% 67% 100% 150% 33% 50% 67% 100% 150% 33% 50% 67%	-1 -1 -2 -1 -1 -4 0 0 0 0 -5 -5 -3	4 2 -1 -1 0 2 2 1 -1 -1 -1 -5 -3 -2	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -2 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 -1 -1 0 0 -2 -2 -2 -1 -1 -1 -1	-16 -11 0 -1 -15 -15 -11 1 0 0 -6 -4 -5	9 -3 -23 -15 0 1 1 1 3 -2 -1 -1	1 -2 -1 0 1 1 -1 1 0 -9 -8 -5	-13 -9 1 1 -1 -19 -12 -9 -1 22 14 11	7 1 0 3 2 2 -1 -1 -1 2 1	0 1 1 1 0 0 3 2 2 0 0 1	0 0 10 8 0 18 13 8 6 27 18 14	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 2 1 -1 0 0 0 -1 -2 -3 -2 -2	37 0 0 -1 1 -28 -2 -2 -1 1 1 3	0 -7 -4 -3 -3 0 0 0 -5 -4 -4 -4 -3	-1 1 -1 -5 -2 -1 1 -1 -1 -5 -2 -8 -10 -9	0 -4 -3 0 0 0 0 -4 1 -1 12 5 3	0 -14 -27 -18 -12 0 0 0 0 -24 -13 -71 -40 -30



AN ALTERNATIVE MEASURE of (DIS)INCENTIVES TO WORK: Percentage Increase in Disposable Income (IDI)

A Forward-looking net replacement rate

IDI= <u>NetY(in-work)-NetY(out-of-work)</u> = (1-METR) X <u>Ygross</u> NetY(out-of-work) NetY(out-of-work)

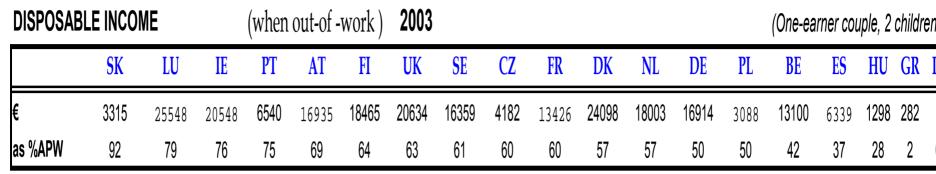


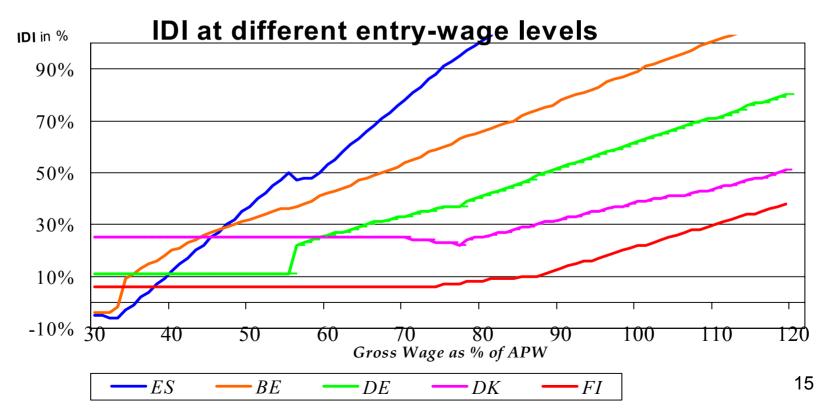


MEASURING INCENTIVES TO TAKE-UP A JOB

For the Breadwinner of a One-Earner Household with 2 children

A cross-country comparison based on IDI







LOW - WAGE TRAP Does it pay to increase hours or work effort?

Transition: from part-time to full time or : increase working hours

⇒INDICATOR: METR_{1w}

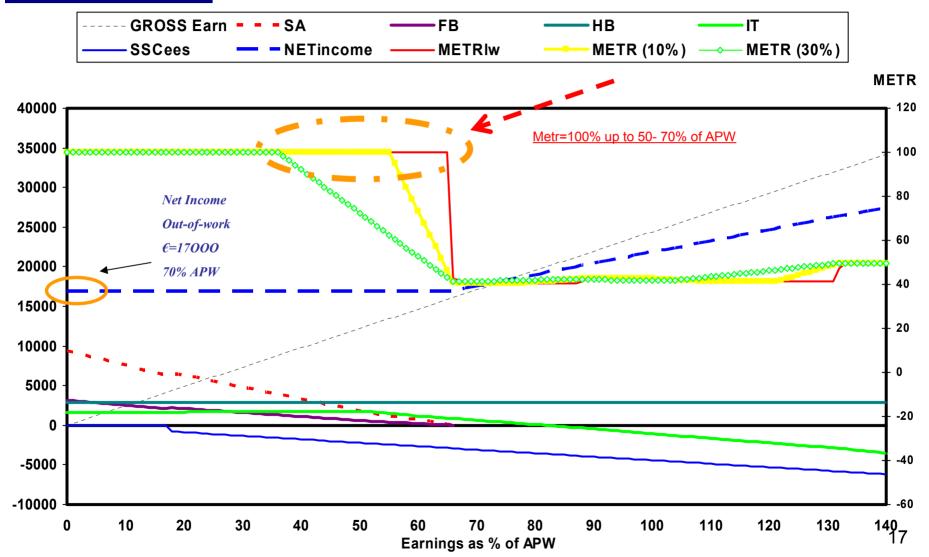
□ Compare in-work net incomes over a wide range of gross earnings levels (0-200% of APW)



METR_{Iw} and **Budget constraints**

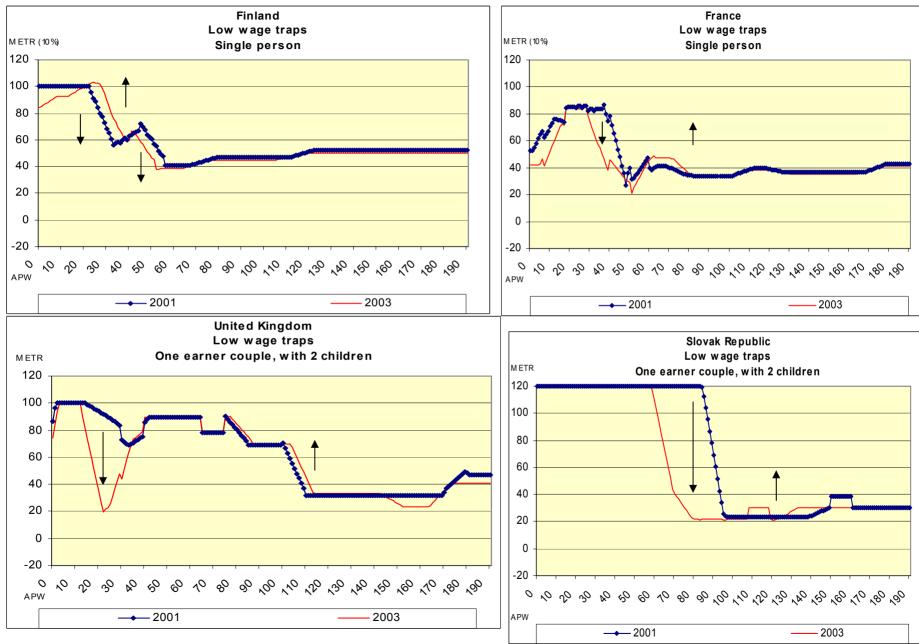
Austria (2003)

One-earner-couple with 2 children



Comparing METR_{Iw} (**AYgross=10%**) over time

2001-2003





TO SUM UP

- Disincentive is highest for low-skilled workers with low earnings potential
- Low-skilled are at risk of benefit dependency and progressive marginalisation from the LM
- □ <u>Inactivity trap:</u> more problematic than <u>unemployment trap (from UI)</u>:
 - Duration of UI usually limited
 - Benefits subject to (more or less stringent) job search conditions
- Concerns over poverty levels: re-designing these benefit schemes more difficult
 - Job-search requirements and other conditions need to be more finely tuned
 - Careful analysis of budget constraints can, however, help to reduce any existing negative impact on work incentives

➡ POSSIBLE REMEDIES

<u>Earnings disregard</u>: allows benefit recipients to maintain some work attachment
<u>In-work benefits</u>: can increase the attractiveness of taking up employment

Problems: - If not well designed and targeted can be too costly
- reducing risk of inactivity trap can lead to higher risk of low-wage trap



Tax-Benefit Indicators

Major Strenth & Weaknesses



- Can not measure the BUDGETARY COST of changes in tax-benefit policies
- Can not address DISTRIBUTIONAL ISSUES
 - Static approach:all income measures relate to the current period
 - Ignore any longer-term effects of today's labour market status:
 - » on future earnings
 - » pension entitlements
 - » (re-)qualification for unemployment insurance benefits, etc.

Can not take into account important issues related to LM performance:

- » the eligibility rules
- » « job search » and « availability to work » requirements
- » interaction with ALMPs and EPL
- » Take- up of benefits and coverage



➡ <u>Timely and detailed description of all relevant aspects of the overall functioning of tax-benefit systems</u>

A transparent and consistent way to measure and compare, across countries and over time, financial incentives to work and incomesupport adequacy

Helpful in assessing 'first-round' impact of reforms geared to Improving:

- the incentives to work
- the way in which LM institutions provide insurance against income & employment risks



THANK YOU !