

PROMOTING CHANGE IN ESTONIA:

From stable kindergarten place allocations to increase in female bargaining power









AIM OF THE WORKSHOP

TO ANSWER FOLLOWING QUESTIONS:

- What are the explanations of Estonian gender wage gap?
- How post-communist past and liberal labour market (contribution based) policies contribute to wage gap?
- How to disentangle this puzzle kindergarten place allocation mechanism
- Discussion







A long time rational choice framework has been explaining family and childbearing choices:

- Labour force participation is a constraint on fertility;
- Most "classical" policy instruments are targeted to solve worker-mother conflict
- However, more recent consensus (Esping-Andersen, 2009) has been shifting toward admitting positive correlation between female labour force participation and fertility
 - How to explain such a shift
 - How to conceptualise family policies and care-work is such a framework?



GENDER WAGE GAP (average 2009-2013)











PLAUSIBLE EXPLANATIONS

- COST OF HAVING CHILDREN OPPORTUNITY COST APPROACH
 - Gives justification of various "leave" policies
 - Justifies also de-familisation care work should be "outsourced" to cheaper (more efficient) institutions (market or cheap childcare facilities including unpaid grandparents)
- GENDER EQUALITY THEORY FEMINIST APPROACH
 - child-bearing is a result of perceived gender equity;
 - gender equity is defined by the perceptions of fairness and opportunity not by strict equality of outcome (McDonald 2000);
 - low fertility is a result of social perception by females that prevailing cultural-institutional gender context is not fair.



FOCUS ON CHILDCARE Why childcare facilities matter?



Variables that have been found to be statistically significant in gender wage gap

- Author female
- New entrants
- Narrow occupation
- Low-prestige occupation
- Medium-prestige occupation
- High-prestige occupation
- Singles
- Minority
- No hourly wages
- Gross wages

Variables missing in wage regression but statistically significant

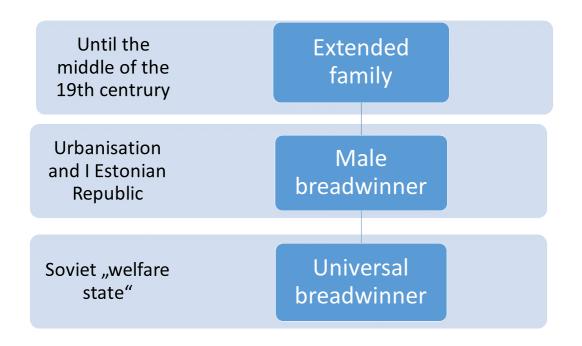
- Experience
- Race or immigrant
- Kids
- Marital/kids interaction
- Training
- Tenure
- Government work
- Urban
- Region

Access to childcare / allocation of kindergarten places – not in the papers reviewed by Weichselbaumer & Winter-Ebmer



TRADITIONAL GENDER ROLES + HIGH FEMALE LABOUR MARKET PARTICIPATION





TRADITIONAL GENDER ROLES & BUILDING OF CLASS-SOCIETY



Institutional support

	Weak	Strong	
Weak	Ethnicity	Gender	
Strong	Class allocation	Class distribution	

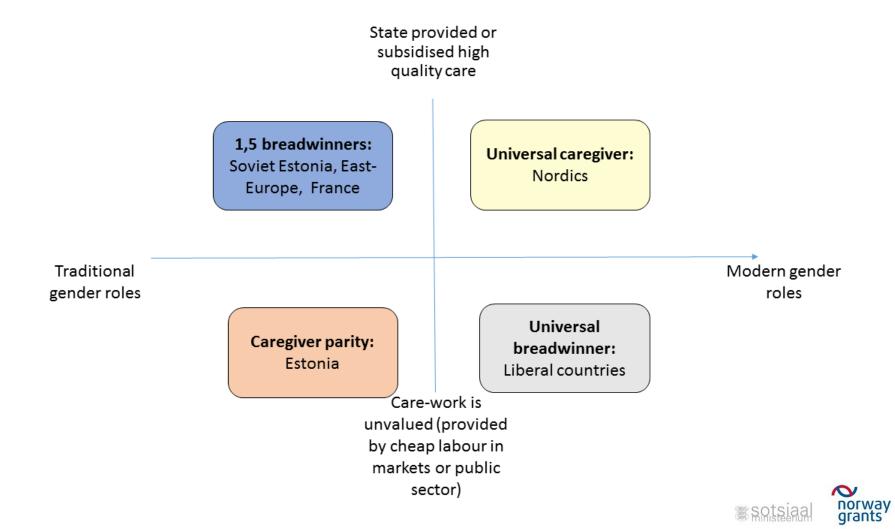
Cultural commitment

Source: Sonja Szelenyi Equality by Design, Stanford: Stanford Univ. Press, pp. 129-130.



POLICY EFFECT WORKS THROUGH GENDER ROLES

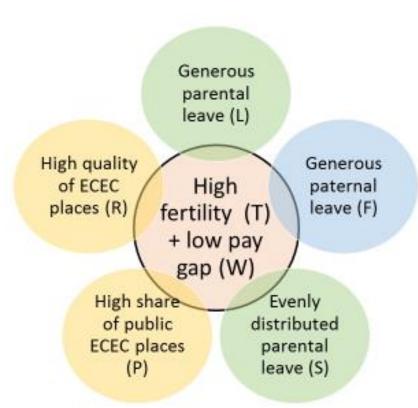






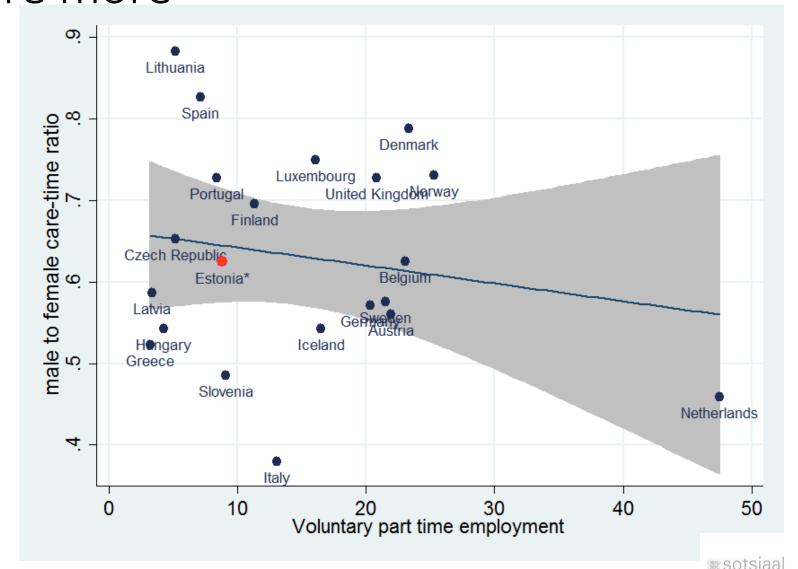
Our "model"

- We assume the good policy mix
 (M = T + W) to be achievable
- We assume that there are several paths to good policy mix (M)
- These path have configurational quality
 the success of paths is dependent on
 - 1) Context gender roles
 - The pattern of key instruments of family policy





In liberal and Nordic countries males care more







Truth table – which paths (configurations of dimensions) work?

Notes: 1 means positive value; in Bold countries which show good outcome

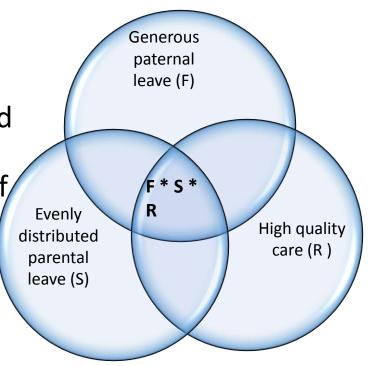
L	F	S	P	R	G		•
Parental leave (L)	Paternal leave (F)	Evenness of parental leave (S)	Share of public places (P)	Quality of care (R)	Gender roles (G)	Countries	Generous
1	1	1	1	1	1	SE, FI	in all key
1	0	1	1	1	1	SI	dimensions
1	0	1	1	0	0	HU	
1	0	0	1	1	0	CZ, EE	
1	0	0	1	0	1	LT, LV, SK	
1	0	0	1	0	0	PL	Generous
1	1	1	0	0	0	NO	
1	1	0	0	0	0	DE	leaves
1	0	0	0	0	0	AT	
0	1	1	1	1	1	IS	Fathers +
0	1	1	0	1	1	BE	care
0	0	1	1	1	0	UK	
0	0	0	1	1	0	NL	
0	0	0	1	0	1	FR	Care
0	0	1	0	1	0	IE	Care
0	0	1	1	1	1	DK	
0	1	0	0	0	1	IT, PT	
0	0	0	0	0	0	ES	
				- 	V		



Path 1: Family policy path for countries with modern gender roles



- F * S * R
- Generous paternal leave in combination with evenly distributed parental leave and high quality care is sufficient to good policy mix in terms of high fertility rates and low gender pay gap
- Countries which follow this path are: Finland, Sweden, Iceland



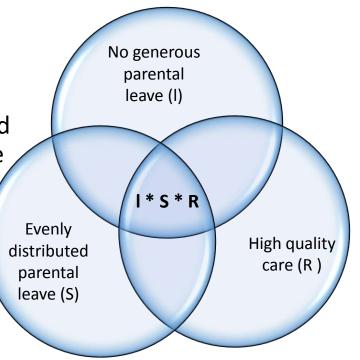


Path 2: Family policy path for countries with traditional gender roles

• | * S * R

 No generous parental leave in combination with evenly distributed parental leave and high quality care is sufficient to good policy mix in terms of high fertility rates and low gender pay gap

 Countries which follow this path are: Belgium, Denmark, Ireland, United Kingdom





Policy implications

- Estonia follows the path L * f * s * P * R
- The main discrepancy to sufficient path in case of traditional gender roles (I * S * R) is generous and uneven parental leave
- This may accelerate two parallel inequality mechanisms:
 - Gender way gap (indirectly)
 - Kindergarten's places accessible to stronger SES
- Mechanism design approach to mitigate these problems





MECHANISM DESIGN

- Allows both:
 - Family view (what families want individual preferences)
 - Societal view (social goals (affirmative action policies) priorities)
- Answers the question how kindergarten places should be distributed
 - Literature of school choice:
 - Gale and Shapley 1962
 - Shapley and Scarf 1974

Key concepts:

Stability: (a) allocation does not violate any priorities, (b) every family weakly prefers his assigned seat to remaining unassigned. Thus stable mechanism eliminates justified envy.

Strategy proofness: outcome is not vulnerable to manipulation, indicating that for each family dominant strategy is to state true preferences.

Efficiency: allocation should promote families welfare

Current practices EXAMPLE I: HARKU CASE



- Approx. 250 annual applications 7 kindergartens
- 200 are getting place in municipal kindergarten
- Procedure:
 - 3 preferences, central information system
 - Boston decentrally distributed places according to the first preferences
 - Decentralised but coordinated matching -- heads of the kindergartens decid according to first preference
 - Priority No priorities. Sometimes (randomly) additional information (insights of the head of kindergarten) such as brothers and sisters or home address is taken into account.



Current practices: EXAMPLE II: RAE CASE

Tabasalu

Harkujarve

KRISTIINE

Peetri

Lagedi

Ragedi

Parasmäe

Haljava

Aruaru

Anija

Aruküla Raasiku

Alliku Lagri

Tänassilma Männiku

Luige

Saue

Tajassilma Männiku

Luige

Kilili

Tajassilma Männiku

Luige

Kilili

Tajassilma Männiku

Luige

Kilili

Tajasali

Tajasali

Kilili

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Approx. 1000 annual applications –

9 municipal kindergartens

- 400 are getting place in municipal kindergarten
- Procedure:
 - No preferences
 - Serial proposing side dictatorship dictator is the family who has made the application earlier in time
 - Decentralised matching -- officials decide where the family is allocated
 - Priority discrete choice by heads of kindergartens based on home address





HOW TO IMPROVE?

- Define priorities (affirmative action policies)
- Allow to submit preferences (no upper limit)
- Central "data warehouse" clearinghouse
- Decide upon stable mechanism no justified envy
- Integrate private providers to the clearinghouse



CONTRIBUTION OF THE EEMD PROJECT



Social innovation

- Policy advice to local municipalities (how to distribute places and what kind of equity criteria to consider)
- Substitute semi-central manual assignment to algorithm based assignment

Improve work-life balance by

- Transparent and "equity enhancing" way of allocating kindergarten places
- Show the shortcomings of current decentralised allocation practices
- Increase awareness of alternative paths (configurational, most probably) of family policies
- Conceptualise family policy alternatives in the case of alternative aims: fertility (total number of children), female labour market participation (and wage gap), increased value of the care (familisation instead of defamilisation)







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