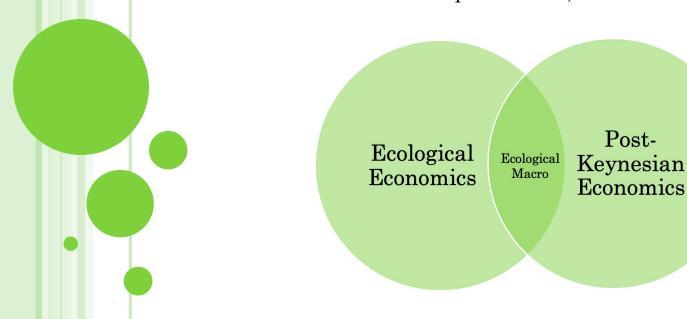
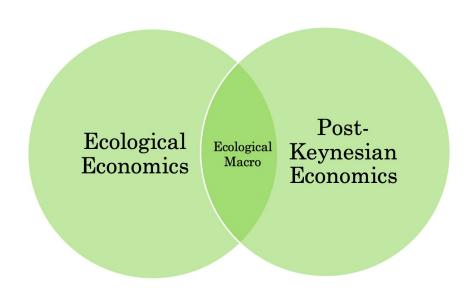


The role of labor in a socio-ecological transition: Reconciling PK and EE theories on labor

Birte Strunk, Stefan Ederer, Armon Rezai September 24, 2021



PRELIMINARY REMARKS: GETTING THE PROBLEM RIGHT



What is Degrowth?

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oriented towards exchange logic or market justice,	focuses on questions of inter- and intragenerational justice
	Dengler (2020)

WHAT IS DEGROWTH?

- o Demaria et al (2013): four strategies
 - Oppositional activism
 - Building alternatives
 - Reformism
 - Research

• Reformism – policy proposals for staying within planetary boundaries while ensuring decent living standards for all

Degrowth - Policies

- Cosme et al (2017): Screening >90 peer-reviewed articles with policy proposals. Policies with 3 goals:
 - Reduce environmental impact of human activities
 - Redistribute income and wealth both within and between countries
 - Promote the transition from a materialistic to a convivial and participatory society

Table 3) Goal 3: Promote the transition from a materialistic to a convivial and participatory society

Types of activities are denoted by R (regulate), T (taxation), I (invest/fund), and U (unclear)

Topic	Degrowth proposal	# cited	Туре
Community building,	Create funds to finance low economic cost, high	2	1
education and value	welfare public investments		
change	Introduce and incentivise education on	2	1
	ecological/social limits		
Democracy and	Create caps on political and electoral spending to	1	R
participation	allow equal participation chances		
	Promote regeneration of fundamental democratic	2	U
	institutions to incorporate degrowth-related spatial,		
	temporal, and values dimensions		
Free time	Reduce working hours	21	U
Voluntary simplicity	Devise new measures to track improvements in	2	R, I (in
and downshifting	social welfare		Research)

Table 4) List of the top-down policies with more than 5 mentions according to Cosme et al. (2017)

Goal	Degrowth Proposal	# cited	Type
Goal 1: Environment	Limit/regulate advertising	7	R
	Promote organic farming/sustainable agriculture	5	1?
	Put caps on resource use and extraction (and	7 (11 incl.	R, T
	CO2) (tradable or non-tradable)	CO2)	
	Reduce energy consumption	11	U
	Reduce material consumption	12	U
	Tax resource use	6	Т
	Invest in more renewable energy	6	1
	Create incentives for local production and	11	R?
	consumption		
Goal 2: Social Justice	Create a basic/citizen's income	14	R, I
	Improve social security and investment in public	10	1
	goods to guarantee equal access to goods &		
	services		
	Promote the recognition & management of	5	U
	common goods		
	Promote a fair redistribution of resources	17	R
	through redistributive policies of income and		
	capital assets		
	Implement redistributive taxation schemes	8	T
	Promote the shift of costs from labour to capital	5	<u>R?,</u> T?
	Encourage the reform of corporate charters and	10	R?
	promote new ownership patterns		
	Create salary caps	11	R
	Promote work-sharing and job-sharing	15	R?
Goal 3: Transformation	Reduce working hours	21	U

Degrowth - Policies

- Tim Parrique (2020): The Political Economy of Degrowth Part III 'Recipes for Degrowth'
 - Transforming property
 - Transforming work
 - Transforming money
- Kallis et al (2020): The case for degrowth
 - Green New Deal without growth (see also Mastini, Kallis & Hickel 2020)
 - Universal income and services
 - Policies to reclaim the commons
 - Working hours reduction
 - Public finance that supports the first 4

PRELIMINARY REMARKS: GETTING THE PROBLEM RIGHT

Technically, the problem is <u>not</u> "What happens to our macroeconomy if we have zero or negative growth?" or "How can we have zero growth?"

The problem is much more complex:

- The basic problem is of course: "How can we ensure human well-being within planetary boundaries?"
- Following the science, staying within planetary boundaries is not likely under a market-based growth regime because, due to rebound effects, rates of decoupling and dematerialization are way too slow (Hickel & Kallis 2019; Vadén et al, 2020; Schandl et al, 2016; Ward et al 2016; Haberl et al 2020)
- But, if we *were* to implement very strict, carbon budget-compatible regulations and limits, or even just (effective!) market-based mechanisms, this would likely have *adverse effects* on economic growth and well-being in the short-run
- So: How do we avoid these adverse effects?

PRELIMINARY REMARKS: GETTING THE PROBLEM RIGHT

So: How do we avoid these adverse effects?

- → To make *effective* climate policy politically feasible at all, we need to show how it can be done in a way that does not deteriorate living standards, increase inequalities, lead to recession dynamics
- → Ecological economists have a lot of ideas on policies, but are not strong on macroeconomics and potentially unintended effects from certain policies due to macroeconomic feedback effects
 - → e.g. see Beth's paper on the risks of rent-seeking in a resource-constraint future (Stratford, 2020)
- → That's why they need macroeconomic frameworks to evaluate these policies (and ideally, these frameworks should be convincing, i.e. PK rather than neoclassical ones)

POST-KEYNESIAN AND ECOLOGICAL ECONOMICS

Our argument: PK models are limited in their contribution to Ecological (Macro-)Economics if they do not complement the predominant demand-side view of labor markets with Post-Keynesian perspectives on *labor supply*.

In other words: Post-Keynesian Ecological Macroeconomists should think about labor.

- EE: Why labor matters
- PK: The Post-Keynesian labor "market"
 - 3 Building Blocks & 4 Principles
- Conceptual integration of PK & EE
- Conclusion



Ecological Econ: Why labor matters

EE: WHY LABOR MATTERS

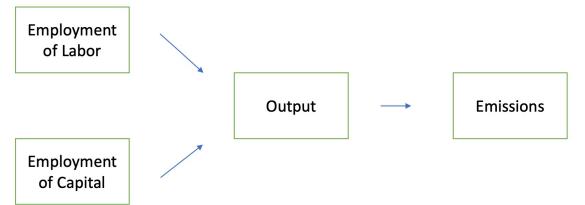
- Ecological economists treat labor as a policy variable, some treat labor policies even as "the single silver bullet" (Weiss and Cattaneo, 2017, p.227)
- o Jackson & Victor (2011):

$$e = \frac{GDP}{P_L * h}$$

- Policy prescriptions: WTR or shifts to low-productivity sectors
- But: Labor conceptualized as a supply issue?

EE: WHY LABOR MATTERS

<u>Scale effect argument</u>: if people work less, then less is produced, then the overall output will decrease, and emissions will decrease



Knight, Rosa, Schor (2013, p.694):

"At the macro-structural level, high or rising work hours create what we call a scale (i.e., size of the economy) effect —more work generates greater economic output, income, and consumption. Ceteris paribus, if more work generates more output and uses more resources, then a reduction in work hours could lead to substantial environmental gains"

Degrowth - Policies

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The Post-Keynesian "Labor Market"

PK ON LABOR MARKETS

"[T]here is no specific post-Keynesian view of the microeconomics of labour markets"

(Lavoie, 2014, p. 277)

23

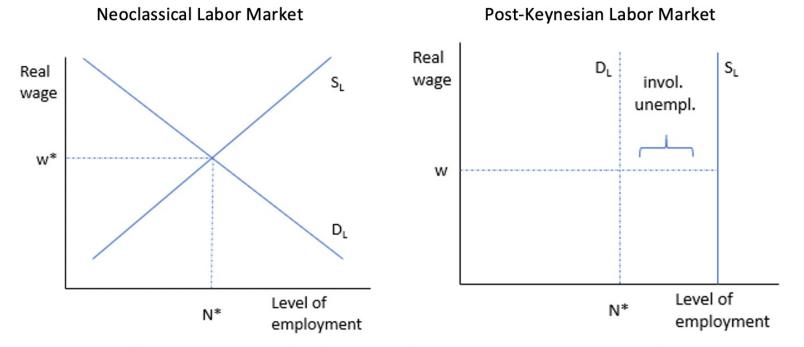


Figure 1: Simplified comparison of a basic neoclassical and post-Keynesian labor market. Own depiction.

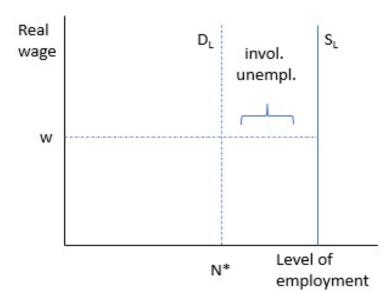
BUILDING BLOCKS

- Demand
- Supply
- Demand-Supply Interactions

Table 1: Elements and principles of a Post-Keynesian labor theory

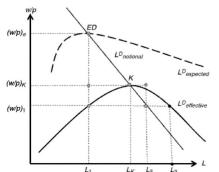
Elements	Principles
Determination of labor demand	P1: Principle of Involuntary Unemployment
	from Lack of Effective Demand
Determination of labor supply	P2: Principle of (Vital or Social) Necessity to Work
Demand-supply interactions	P3: Principle of Hobbesian Production
	P4: Principle of Mediating Policies

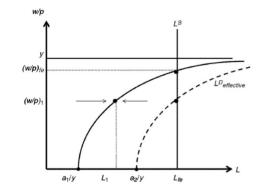
A) DEMAND



Principle 1: Aggregate Demand Accounts for Involuntary Unemployment

Employment outcomes as a residual





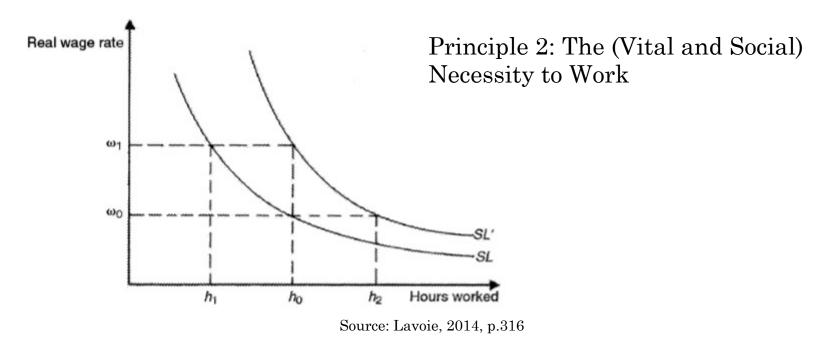
^{5.1} The notional and the effective labour demand curves, and the point of effective demand in the Marshallian post-Keynesian model of employment

5.5 The Kaleckian post-Keynesian model of employment

Figure 3: Comparison of the Marshallian and Kaleckian demand curves. Source: Lavoie, 2014, ch.5.

25

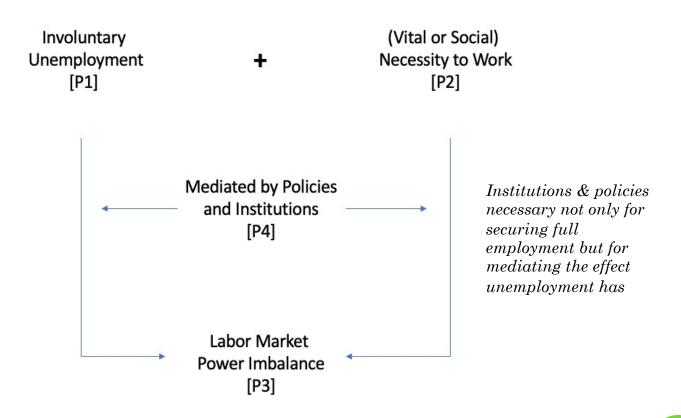
B) SUPPLY



Robinson (1937): A reduction in wages makes people work *more* not less Income effect > Substitution Effect

Above the minimum threshold: satisficing and emulation (Eichner 1979, Keynes 1936, King 2002, Robinson 1937)

C) SUPPLY-DEMAND INTERACTIONS



Principle 3: Hobbesian Production / Power Imbalance

Principle 4: Mediated by Policies and Institutions

Conceptual Integration of PK and EE

- Employment policies in EE:
 - Create jobs in sectors and industries that we do want to see grow in our economies, even if aggregate GDP growth will likely stagnate or potentially even decline

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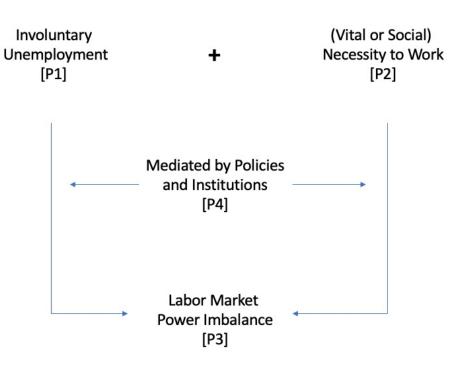
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- Moreover, a value change is called for to decrease the social necessity to work in order to allow people to 'step outside the circle' (Frayne, 2016) of wage work and market consumption, allowing for a greater role of unpaid labor and needs-satisfaction provided by commons rather than solely by markets

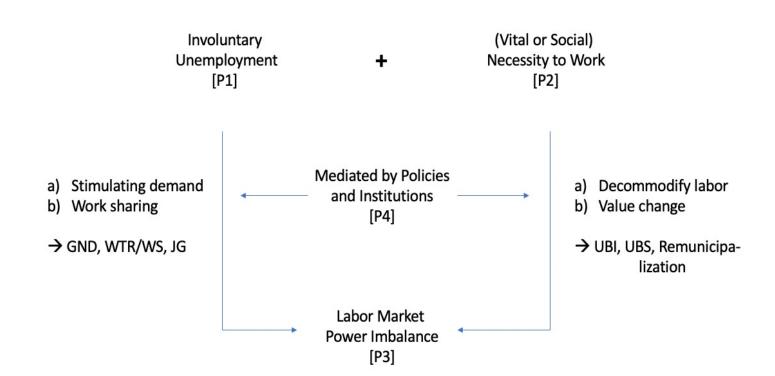
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Conclusion

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- So far, PK has focused more on "stimulating demand" to decrease involuntary employment, though other tools (WTR, see Sawyer & Spencer, 2010; or JG, especially Tcherneva, 2020) are increasingly being discussed
- However, it is not yet entirely clear how for PK scholars such proposals relate to degrowth scenarios (or scenarios where we actually stay within the carbon budget)
- Linking post-Keynesian perspectives on the (vital and social) necessity to work with issues around climate change and aggregate growth has not yet been explored much, but might potentially be highly interesting to the degrowth literature



... FOR YOUR ATTENTION!

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	Encourage the reform of corporate charters and	10	R?
	promote new ownership patterns		
	Create salary caps	11	R
	Promote work-sharing and job-sharing	15	R?
Goal 3: Transformation	Reduce working hours	21	U

APPENDIX

Table 3List of models classified by underpinning economic growth theory.

Model ID	Model source	Model name
Post-Keynesian	growth models	
1	Fontana and Sawyer (2016)	
2	Kemp-Benedict (2014a)	
3	Rosenbaum (2015)	
4	Taylor et al. (2016)	
5	Berg et al. (2015)	
6	Campiglio et al. (2015)	
7	Dafermos et al. (2017)	
8	Godin (2012)	
9	Jackson and Victor (2015)	FALSTAFF
10	Jackson and Victor (2016)	SIGMA
11	Jackson et al. (2014)	GEMMA
12	Naqvi (2015)	
13	Cambridge Econometrics (2014)	E3ME
Other demand-	driven growth models	
14	Briens (2015)	
15	Cordier et al. (2015)	
16	Gran (unpublished)	LowGrow
17	Victor and Rosenbluth (2007)	LowGrow
Supply-driven	growth models	
18	Bastin and Cassiers (2013)	
19	Bernardo and D'Alessandro (2016)	
20	D'Alessandro et al. (2010)	
Other models w	vithout growth	
21	Kemp-Benedict (2014b)	
22	Kronenberg (2010a)	

Highlighted: Papers modelling scale effects for labor input