

Degrowth Switzerland - Policy Brief No. 1

Working Time Reduction

Securing a good life for all within planetary boundaries requires profound changes of economy and society. The Degrowth Switzerland Policy Briefs discuss individual policy interventions and their potential to achieve social-ecological transformation.

Key Points

- Wage labour, and the amount of time spent on it, is a decisive factor shaping the economy and its ecological footprint as well as people's daily lives
- Reducing working time can increase people's wellbeing and contribute to a more equal distribution of work in society
- Working time reduction can help ease environmental pressures if designed for that purpose, and if combined with complementary measures. The specific way in which WTR is implemented determines its social, ecological and economic effects

I. Working time reduction in a nutshell

Proposals for working time reduction (WTR) seek to decrease the amount of time people spend in wage labour.

II. Relevance: The role of work in the economy - and its social-ecological transformation

Work is a central aspect of human life, and in capitalist economies it predominantly takes the form of wage labour. The amount of time people spend in waged employment has wide economic, social and ecological consequences. Reorganising the economy so as to respect planetary boundaries and enable a good life for all therefore necessitates scrutiny of how we work, for what purpose, and how much.

III. Making it happen: concrete measures and examples for WTR

a. Implementing WTR

- WTR can be implemented in multiple ways. Working time may be reduced per day, week, year or over a person's lifetime. It may be introduced at firm level, sectoral or macroeconomic level. Reduction of WT may either be enforced or encouraged.
- Specific policy measures include:
 - o Imposition of legal maximum of weekly working hours per workeriv
 - Strengthening workers' rights to demand WTR, e.g. in the form of sabbaticals and part-time work^v
 - Benefits and tax credits for firms and individuals opting for WTR^{vi}
 - Longer education and early retirement to reduce total years a person spends in waged work throughout his or her life^{vii}

b. Exemplary cases

- Iceland: Trials for shorter working week with full wage compensation and subsequent reduction of working hours by 86% of the population^{viii}
- Sweden: Publicly funded temporary reduction of the work week to 30 hours in a nursing home in Göteborg^{ix}
- France: Gradual reduction of legal work week from 39 to 35 hours/week between 1998 and 2008^x

IV. WTR for wellbeing and equality? The social potential and caveats of WTR

a. Potential

- Increased wellbeing: A reduction of working time at the individual level is likely to increase people's wellbeing, e.g. by freeing up time for creative activities, sport, rest as well as social relations^{xi}
- Work sharing: Reducing working hours per person can facilitate a more equal distribution of work both within the labour force and society more generally. Worksharing can target different dimensions.
 - WTR could target the redistribution of work between people who are overworked and people who are seeking a jobxii
 - Much essential work, care and reproductive work in particular, is carried out 'for free' by women. A reduction of waged work would free up time for these tasks and thereby enable a more equal distribution of reproductive duties between genders^{xiii}
 - Work-sharing can also involve the fairer distribution of undesirable and burdensome jobs which are often low-paid and precarious^{xiv}

b. Caveats

- Wage cuts: WTR with a simultaneous reduction in wages may have adverse effects on wellbeing of lower-income households due to reductions in purchasing power. High earners may benefit disproportionately, thus increasing inequalityxv
- Coordination: Neither work-sharing nor the more equal distribution of work are automatic results of WTR. For instance if voluntary, women may opt more frequently for WTR and continue to carry out the brunt of reproductive work in the household.*vi Achieving a fairer distribution of work may require additional efforts, such as dedicated coordination mechanisms, education and training*vii

V. WTR to save the climate? The ecological potential and caveats of WTR

a. Potential

- Downscaling: The reduction of aggregate working time can decrease environmental impact by facilitating downscaling and stabilization of economic output, and related resource use and GHG emissions. XVIII By reducing hours per worker instead of the number of jobs WTR can counteract unemployment arising in the course of economic downscaling and sectoral phase-outxIX
- Lessening growth dependence: WTR can lower the pressure to pursue economic growth as a means to prevent 'technological unemployment', i.e. unemployment arising because labour is made redundant due to labour productivity increases**
- Sustainable living: At an individual level, less time in wage work enables slower and more sustainable lifestyles, e.g. travel by bike instead of car, train instead of plane.xxi WTR without full wage compensation would reduce people's purchasing power, and thus potentially consumption-related environmental impactxxii

b. Caveats

- Automation: If WTR increases labour costs for firms it may stimulate the substitution
 of labour with machinery so that production and related environmental impact would
 stay constant or grow^{xxiii}
- Aggregate working time: WTR at an individual level does not automatically reduce working time in the economy as a whole.xxiv WTR may allow more people to work so that aggregate WT increases, enabling continued output growthxxv
- Labour productivity: Labour productivity may rise as a result of WTR thanks to an increase in workers' wellbeing and health. This feedback effect could allow output to increase or remain stable despite WTR^{xxvi}
- Time rebounds: Newly gained free time may be used for carbon- and resource-intensive consumption and living, such as intensified air travel.**xvii Full or high wage compensation may increase the likelihood of such.

VI. Working time reduction for system change?

a. Potential

- Shifting priorities: WTR allows more time to be spent on uncommodified and unmonetised activities. XXVIII It could help shift the current focus on monetary and material wealth to 'time wealth' Trong production to reproduction and care XXXX
- Participation: Time liberated from wage labour facilitates social and political engagement and can thereby contribute to the strengthening of democratic and participatory processes – an important aspect of a social-ecological transformation**xxxi
- Rethinking work and economic organisation: WTR could open up space and demand for a more general reorganisation of work, production and provisioning**xxiii

b. Caveats

- Profit dependence: In a competitive economy in which firms' survival depends upon profit, firms are under pressure to raise output, labour productivity and working timexxxiii. WTR is thus likely to be met with resistance.xxxiiv Moreover, firms may react to WTR by adopting practices that allow for continued growth and profit-making but may be socially and environmentally undesirable, e.g. downward pressure on wages or intensified energy and resource use as a means to substitute for human labourxxxv
- Global competition and growth dependence: International competition and growth dependencies within countries are further obstacles for the adoption of WTR as they put pressure on individual firms and governments^{xxxvi}
- Wage dependence: Reducing WT does not dissolve people's dependence on wage labour, which persists as long as access to essential goods and services requires monetary payment**xxxvii

VII. Key challenges and ways forward

a. Determining necessary and desirable work(ing time)

The total amount of work needed in an economy is neither fixed nor given. It depends on many factors, including technology, desirable levels of output and work as well as their respective quality. For instance, prioritising care and sustainable economic practices may well lead to an increase in necessary labour time xxxviii. Any working time regime needs to be designed with respect to existing conditions and envisioned trajectories of the economy

b. Social-ecological allocation of work

Aligning the amount and kind of work in the economy with social and ecological targets demands coordination, e.g. a decrease of WT in the fossil industry and an increase in renewable energy generation. To ensure need orientation and support for such transformations, to empower workers and strengthen democracy this should involve participatory deliberation processes, including in the workplace^{xl}

c. Wage compensation

Adverse social, ecological and economic implications related to wage compensation must be tackled head-on. This may include:

- Differential wage compensation, i.e. full or high wage compensation at lower-income levels and no or low wage compensation at higher income levels^{xii}
- Universal provisioning of sufficiency-oriented basic services, including housing, food and electricity, to facilitate sustainable lifestyles and ensure people's need satisfaction regardless of wages and hours work^{xlii}

d. Time use

The social and ecological effects of WTR will vary depending on how people spend their newly gained time. Sustainable time use can be promoted and enabled via:

- Provision of Universal Basic Servicesxliii
- A ban or regulation of advertising and other 'sales efforts' to limit the permanent stimulation of new wants, thereby curbing excessive consumption^{xliv}
- A decided reform of education^{xlv}
- Regulation of carbon- and resource-intensive luxury consumption, e.g. a frequent flyer levy to curb excessive air travel^{xlvi}

e. Preventing ecological overshoot

WTR alone will not solve the climate crisis. Alongside changes at the individual level, the establishment of absolute caps on emissions and resource use may prove important to set the scope for how much can be extracted, emitted, produced, and consumed in the economy^{xlvii}

f. Overcoming growth and profit dependence

The pressure to pursue growth in output and profit may impede the socially and environmentally desirable effects of WTR. Reducing growth and profit dependence would require systemic shifts in the organisation of the economy, including alternative fiscal and monetary arrangements as well as common and democratic forms of ownership and governance of essential resources, provisioning systems and organisations^{xlviii}

Ursula Huws, Labour in Contemporary Capitalism. What Next? (London: Palgrave Macmillan, 2019).

ii Miklós Antal et al., 'Is Working Less Really Good for the Environment? A Systematic Review of the Empirical Evidence for Resource Use, Greenhouse Gas Emissions and the Ecological Footprint', *Environmental Research Letters* 16, no. 1 (2021), https://doi.org/10.1088/1748-9326/abceec.

^{**} Stan De Spiegelaere and Agnieszka Piasna, 'The Why and How of Working Time Reduction' (European Trade Union Institute, 2017); Steffen Lange, *Macroeconomics Without Growth. Sustainable Economies in Neoclassical, Keynesian and Marxian Theories* (Marburg: Metropolis-Verlag, 2018).

iv Timothée Parrique, 'The Political Economy of Degrowth' (phdthesis, Université Clermont Auvergne and Stockholms Universitet, 2019), https://tel.archives-ouvertes.fr/tel-02499463.

v Martin Pullinger, 'Working Time Reduction Policy in a Sustainable Economy: Criteria and Options for Its Design', *Ecological Economics* 103 (2014): 11–19, https://doi.org/10.1016/j.ecolecon.2014.04.009.

vi Pullinaer

vii Parrique, 'The Political Economy of Degrowth'.

viii Gudmundur D. Haraldsson and Jack Kellam, 'Going Public: Iceland's Journeyto a Shorter Working Week' (Alda and Autonomy, 2021).

ix De Spiegelaere and Piasna, 'The Why and How of Working Time Reduction'.

^{*} De Spiegelaere and Piasna; P. Askenazy, 'Working Time Regulation in France from 1996 to 2012', *Cambridge Journal of Economics* 37, no. 2 (2013): 323–47, https://doi.org/10.1093/cje/bes084.

xi Ryan Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies: Or Why the Climate Needs a Renewed Labor Movement', *Journal of Environmental Studies and Sciences* 9, no. 1 (2018): 35–44, https://doi.org/10.1007/s13412-018-0507-4; Ola Persson, Jörgen Larsson, and Jonas Nässén, 'Working Less by Choice: What

Are the Benefits and Hardships?', *Sustainability: Science, Practice and Policy* 18, no. 1 (2022): 81–96, https://doi.org/10.1080/15487733.2021.2023292; Klara Zwickl, Franziska Disslbacher, and Sigrid Stagl, 'Work-Sharing for a Sustainable Economy', *Ecological Economics* 121 (2016): 246–53, https://doi.org/10.1016/j.ecolecon.2015.06.009; Giorgos Kallis et al., "Friday off": Reducing Working Hours in Europe', *Sustainability* 5, no. 4 (2013): 1545–67.

- xii Zwickl, Disslbacher, and Stagl, 'Work-Sharing for a Sustainable Economy'; David A. Spencer, 'Fear and Hope in an Age of Mass Automation: Debating the Future of Work', *New Technology, Work, and Employment* 33, no. 1 (2018): 1–12, https://doi.org/10.1111/ntwe.12105.
- ^{xiii} Marco Deriu, 'Democracies with a Future: Degrowth and the Democratic Tradition', *Futures* 44, no. 6 (August 2012): 553–61, https://doi.org/10.1016/j.futures.2012.03.016; Corinna Dengler and Birte Strunk, 'The Monetized Economy Versus Care and the Environment: Degrowth Perspectives On Reconciling an Antagonism', *Feminist Economics* 24, no. 3 (3 July 2018): 160–83, https://doi.org/10.1080/13545701.2017.1383620.
- xiv Parrique, 'The Political Economy of Degrowth'.
- xv Persson, Larsson, and Nässén, 'Working Less by Choice'.
- xvi De Spiegelaere and Piasna, 'The Why and How of Working Time Reduction'; Persson, Larsson, and Nässén, 'Working Less by Choice'.
- ^{xvii} Kallis et al., "Friday Off"; Elena Hofferberth, 'Pathways to an Equitable Post-Growth Economy. Towards an Economics for Social-Ecological Transformation' (unpublished, Leeds, University of Leeds, 2021); Anna Coote, Jane Franklin, and Andrew Simms, '21 Hours. Why a Shorter Working Week Can Help Us All to Flourish in the 21st Century' (London: New Economics Foundation, 2010).
- Lange, Macroeconomics Without Growth. Sustainable Economies in Neoclassical, Keynesian and Marxian Theories; Serge Latouche, Farewell to Growth (Cambridge: Polity, 2009).
- xix Tim Jackson and Peter Victor, 'Productivity and Work in the "Green Economy": Some Theoretical Reflections and Empirical Tests', *Environmental Innovation and Societal Transitions* 1, no. 1 (2011): 101–8.
- xx Jackson and Victor; J. H Spangenberg, 'The Growth Discourse, Growth Policy and Sustainable Development: Two Thought Experiments', *Journal of Cleaner Production* 18, no. 6 (2010): 561–66.
- xxi Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'; Gerrit von Jorck et al., 'Sozial-Ökologische Arbeitspolitik', *VÖW Diskussionspapier*, 2018; Kallis et al., "Friday Off".
- xxii Antal et al., 'Is Working Less Really Good for the Environment?'
- xxiii Antal et al.; Zwickl, Disslbacher, and Stagl, 'Work-Sharing for a Sustainable Economy'.
- wiv Eric Pinault, 'Growth and Over-Accumulation in Advanced Capitalism: Some Critical Reflections on the Political Economy and Ecological Econom-lcs of Degrowth', *Working Paper Der DFG-Kollegforscher_innengruppe Postwachstumsgesellschaften* 5/2016 (2016).
- xxv cf. Antal et al., 'Is Working Less Really Good for the Environment?'; Hofferberth, 'Pathways to an Equitable Post-Growth Economy. Towards an Economics for Social-Ecological Transformation'.
- xxvi Antal et al., 'Is Working Less Really Good for the Environment?'; Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'.
- xxvii Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'; von Jorck et al., 'Sozial-Ökologische Arbeitspolitik'.
- xxviii Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'.
- xxiix Sonja M. Geiger et al., 'Time Wealth: Measurement, Drivers and Consequences', *Current Research in Ecological and Social Psychology* 2 (2021): 100015-, https://doi.org/10.1016/j.cresp.2021.100015.
- xxx Dengler and Strunk, 'The Monetized Economy Versus Care and the Environment'.
- xxxi Kallis et al., "Friday Off".
- xxxiii cf. Parrique, 'The Political Economy of Degrowth'.
- wwiii Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'; Spencer, 'Fear and Hope in an Age of Mass Automation'; Eric Pineault, 'Growth and Over-Accumulation in Advanced Capitalism: Some

Critical Reflections on the Political Economy and Ecological Economics of Degrowth', *Working Paper Der DFG-Kollegforscher_innengruppe Postwachstumsgesellschaften* 5/2016 (2016).

- xxxiv Coote, Franklin, and Simms, '21 Hours. Why a Shorter Working Week Can Help Us All to Flourish in the 21st Century'.
- ^{xxxx} cf. Antal et al., 'Is Working Less Really Good for the Environment?'; Hofferberth, 'Pathways to an Equitable Post-Growth Economy. Towards an Economics for Social-Ecological Transformation'; Spencer, 'Fear and Hope in an Age of Mass Automation'.
- ***Christine Corlet Walker, Angela Druckman, and Tim Jackson, 'Welfare Systems without Economic Growth: A Review of the Challenges and next Steps for the Field', *Ecological Economics* 186 (2021): 107066-, https://doi.org/10.1016/j.ecolecon.2021.107066; Positive Money, 'Escaping Growth Dependency' (London: Positive Money, 2018); Ann Pettifor, *The Case for the Green New Deal* (London: Verso, 2019).
- xxxvii Hofferberth, 'Pathways to an Equitable Post-Growth Economy. Towards an Economics for Social-Ecological Transformation'.
- wwwiii Miklós Antal and Jeroen C.J.M. van den Bergh, 'Macroeconomics, Financial Crisis and the Environment: Strategies for a Sustainability Transition', *Environmental Innovation and Societal Transitions* 6 (March 2013): 47–66, https://doi.org/10.1016/j.eist.2013.01.002; Kallis et al., "Friday Off".
- xxxix Kallis et al., "Friday Off"; Antal et al., 'Is Working Less Really Good for the Environment?'; Zwickl, Disslbacher, and Stagl, 'Work-Sharing for a Sustainable Economy'.
- xl Gunderson, 'Work Time Reduction and Economic Democracy as Climate Change Mitigation Strategies'; Max Koch, Jayeon Lindellee, and Johanna Alkan Olsson, 'Beyond the Growth Imperative and Neoliberal Doxa: Expanding Alternative Societal Spaces through Deliberative Citizen Forums on Needs Satisfaction', *Real World Economics Review*, no. 96 (2021): 168–83; Spencer, 'Fear and Hope in an Age of Mass Automation'.
- xⁱⁱ Christoph Bader et al., 'Weniger Ist Mehr Der Dreifache Gewinn Einer Reduktion Der Erwerbsarbeitszeit. Weniger Arbeiten Als Transformationsstrategie Für Eine Ökologischere, Gerechtere Und Zufriedenere Gesellschaft Implikationen Für Die Schweiz', CDE Working Paper (Bern: Centre for Development and Environment, 2020).
- xiii Jefim Vogel et al., 'Socio-Economic Conditions for Satisfying Human Needs at Low Energy Use: An International Analysis of Social Provisioning', *Global Environmental Change*, 29 June 2021, 102287, https://doi.org/10.1016/j.gloenvcha.2021.102287; Milena Büchs, Diana Ivanova, and Sylke V. Schnepf, 'Fairness, Effectiveness, and Needs Satisfaction: New Options for Designing Climate Policies', *Environmental Research Letters* 16, no. 12 (2021): 124026-, https://doi.org/10.1088/1748-9326/ac2cb1.
- Anna Coote, 'Universal Basic Services and Sustainable Consumption', *Sustainability: Science, Practice and Policy* 17, no. 1 (2021): 32–46, https://doi.org/10.1080/15487733.2020.1843854.
- xiiv Lange, Macroeconomics Without Growth. Sustainable Economies in Neoclassical, Keynesian and Marxian Theories.
- xiv Nadine Kaufmann, Christoph Sanders, and Julian Wortmann, 'Building New Foundations: The Future of Education from a Degrowth Perspective', *Sustainability Science*, 6 May 2019, 1–11, https://doi.org/10.1007/s11625-019-00699-4.
- ^{xlvi} Yannick Oswald, Anne Owen, and Julia K. Steinberger, 'Large Inequality in International and Intranational Energy Footprints between Income Groups and across Consumption Categories', *Nature Energy* 5, no. 3 (2020): 231–39, https://doi.org/10.1038/s41560-020-0579-8.
- ***** Hofferberth, 'Pathways to an Equitable Post-Growth Economy. Towards an Economics for Social-Ecological Transformation'; Giorgos Kallis and Joan Martinez-Alier, 'Caps Yes, but How? A Response to Alcott', *Journal of Cleaner Production* 18, no. 15 (1 November 2010): 1570–73, https://doi.org/10.1016/j.jclepro.2010.06.010.
- ^{xlviii} Johannes Euler, 'The Commons: A Social Form That Allows for Degrowth and Sustainability', *Capitalism Nature Socialism* 30, no. 2 (2019): 1–18, https://doi.org/10.1080/10455752.2018.1449874; Lange, *Macroeconomics Without Growth. Sustainable Economies in Neoclassical, Keynesian and Marxian Theories*; Spencer, 'Fear and Hope in an Age of Mass Automation'.

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