



PATHWAYS FORUM 15 READING LIST:

Rethinking economics in a finite world: practical applications of social metabolism

General

a. Theory

Articles:

Muraca, B et al. (2021). From planetary to societal boundaries: an argument for collectively defined self-limitation. *Sustainability: Science, Practice, and Policy*. 17. 265–292. 10.1080/15487733.2021.1940754.

Haberl, H et al. (2021). Stocks, flows, services and practices: Nexus approaches to sustainable social metabolism. *Ecological Economics*. 182. 106949. 10.1016/j.ecolecon.2021.106949.

Fischer-Kowalski, M., & Haberl, H. (2015). Social metabolism: a metric for biophysical growth and degrowth. *Handbook of ecological economics*, 100–138.

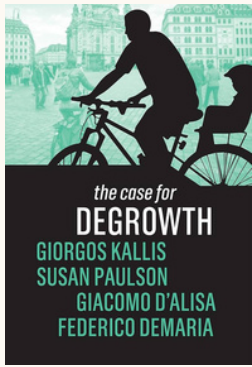
Pineault, E. (2018). The growth imperative of capitalist society: a preliminary exploration of some issues.

Savini, Federico. (2023). Futures of the social metabolism: Degrowth, circular economy and the value of waste. *Futures*. 150. 103180. 10.1016/j.futures.2023.103180.

Schaffartzik, A., Pichler, M., Pineault, E., Wiedenhofer, D., Gross, R., & Haberl, H. (2021). The transformation of provisioning systems from an integrated perspective of social metabolism and political economy: a conceptual framework. *Sustainability science*, 16, 1405–1421.

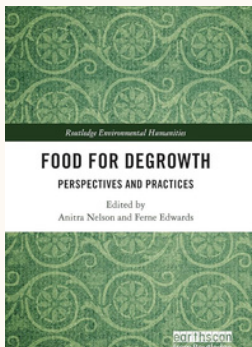
Scheidel, A. (2023). Does the Social Metabolism Drive Environmental Conflicts?. In: Villamayor-Tomas, S., Muradian, R. (eds) *The Barcelona School of Ecological Economics and Political Ecology*. Studies in Ecological Economics, vol 8. Springer, Cham. https://doi.org/10.1007/978-3-031-22566-6_16

Books:



“The Case for Degrowth” by Giorgos Kallis, Susan Paulson, Giacomo D'Alisa, and Federico Demaria (2020)

In this compelling book the authors make the case for degrowth – living well with less, by living differently, prioritizing wellbeing, equity and sustainability. Drawing on emerging initiatives and enduring traditions around the world, they advance a radical degrowth vision and outline policies to shape work and care, income and investment that avoid exploitative and unsustainable practices.



“Food for Degrowth, Perspectives and Practices” by Anitra Nelson, Ferne Edwards (2020)

This collection breaks new ground by investigating applications of degrowth in a range of geographic, practical and theoretical contexts along the food chain. Degrowth challenges growth and advocates for everyday practices that limit socio-metabolic energy and material flows within planetary constraints.

Videos/Podcasts:

Living well within limits: is it possible? What will it take? – Julia Steinberger

<https://youtu.be/78lRyffMsPw?feature=shared>

Linking Socio-metabolic Research and Practice Approaches for Studying Consumption – Helmut Haberl

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=M7EwvgIEN28&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=7)

[v=M7EwvgIEN28&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=7](https://www.youtube.com/watch?v=M7EwvgIEN28&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=7)

(De)constructing Capitalism – Anke Schaffartzik

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=a6qkHP4DVoI&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A)

[v=a6qkHP4DVoI&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A](https://www.youtube.com/watch?v=a6qkHP4DVoI&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A)

An Introduction to the Social Ecology of Capital – Eric Pineault

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=4X6zRgmP6lo&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=6)

[v=4X6zRgmP6lo&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=6](https://www.youtube.com/watch?v=4X6zRgmP6lo&list=PLJ9WRXLow7NJBcauTRODgNe1oJ-O9PL8A&index=6)

Growth, Degrowth, Agrowth: The Ecopolitics Podcast by Susan Paulson & Bengi Akbulut

<https://www.ecopoliticspodcast.ca/episode-2-11-growth-degrowth-agrowth/>

b. Practical applications

Articles

Sabine Barles, Xavier Poux, Sarah Lumbroso, Fabienne Barataud, Caroline Petit, et al. (2022). Un scénario post-métropolitain pour le bassin de la Seine. Quelle co-évolution des systèmes alimentaires et territoriaux ?. Programme PIREN Seine.

<https://hal.inrae.fr/hal-03891302/document>

Martin N, Talens Peiró L, Villalba Méndez G, Nebot-Medina R, Madrid-López C. (2022). An Energy Future Beyond Climate Neutrality: Comprehensive Evaluations of Transition Pathways. Applied energy 331:120366. <https://doi.org/10.1016/j.apenergy.2022.120366>

Augiseau, V., & Barles, S. (2017). Studying construction materials flows and stock: A review. Resources, Conservation and Recycling, 123, 153-164.

<https://doi.org/10.1016/j.resconrec.2016.09.002>

Martin N, Madrid-López C, Villalba Méndez G, Talens Peiró L. (2022). New Techniques for Assessing Critical Raw Material Aspects in Energy and Other Technologies.

Environmental Science and Technology, 56 (23):17236:6. DOI: [10.1021/acs.est.2c05308](https://doi.org/10.1021/acs.est.2c05308)

Infante-Amate, J., & Krausmann, F. (2019). Trade, ecologically unequal exchange and colonial legacy: the case of France and its former colonies (1962-2015). Ecological economics, 156, 98-109. DOI: [10.1016/j.ecolecon.2018.09.013](https://doi.org/10.1016/j.ecolecon.2018.09.013)

Infante-Amate, J., Urrego-Mesa, A., Pinero, P., & Tello, E. (2022). The open veins of Latin America: Long-term physical trade flows (1900-2016). Global Environmental Change, 76, 102579. <https://www.sciencedirect.com/science/article/pii/S0959378022001170>

