

OECONOMIA NOVA

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OECONOMIA NOVA — Inventory of Heterodox and Transdisciplinary Schools of Economics v0.3.1-EN

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1. Purpose of this inventory

OECONOMIA NOVA does not arise in a vacuum. This inventory documents which schools of economic thought are methodologically relevant for a transdisciplinary reinterpretation of economics — and where they converge, contradict, or complement each other.

The inventory is not encyclopedic — it makes a *selection*: nineteen schools with approximately 85 key works, supplemented by Mazzucato's entrepreneurial state and Cradle-to-Cradle (McDonough/Braungart). Each school is documented with its anchor work, methodological core, contribution to OECONOMIA NOVA, and critical observations.

Methodological note: the inventory is itself in B-form (conditional inferences). Acceptance of a school does not mean OECONOMIA NOVA simply adopts it — it means it is methodologically taken seriously.

2. Doughnut Economics (Raworth 2017)

Anchor work: Kate Raworth (2017), *Doughnut Economics: Seven Ways to Think Like a 21st-Century Economist*, Random House.

Methodological core: the safe-and-just space between social foundation (12 basic needs, derived from UN SDGs) and planetary ceiling (9 planetary boundaries from Rockström et al. 2009, updated Richardson 2023). Growth becomes means, not end.

Contribution to OECONOMIA NOVA: Doughnut is methodologically *the* synthesis framework. It enables operationalization of “directed development for all” without committing to specific growth or shrinkage doctrines.

Empirical anchor: DEAL Doughnut Economics Action Lab Oxford. City applications: Amsterdam Doughnut Coalition (2020), Brussels (2021), Copenhagen, Cornwall, Berlin, Portland, Costa Rica national-level Doughnut.

Critical observations: the Doughnut leaves the path to the safe-and-just space underdetermined. Path-strategy is the OECONOMIA NOVA contribution (Hauptwerk Ch. 35-39).

3. Degrowth (Hickel, Kallis, Latouche)

Anchor works: - Jason Hickel (2020), *Less is More: How Degrowth Will Save the World*, Penguin. - Giorgos Kallis (2018), *Degrowth*, Agenda Publishing. - Serge Latouche (2009), *Farewell to Growth*, Polity Press.

Methodological core: absolute decoupling of GDP from material and energy intensity is empirically not achieved at the required pace. Therefore growth cannot be ecologically reconciled, especially for industrialized countries.

Contribution to OECONOMIA NOVA: Degrowth provides the empirical legitimacy for the position “no growth as ultimate purpose” (Hauptwerk Ch. 3). The decoupling-skeptical empirical analysis (Hickel/Kallis 2020 in *New Political Economy*; Parrique et al. 2019 EEB) is essential.

Critical observations: Degrowth is sometimes adopted as universal doctrine (“shrinking for all”). OECONOMIA NOVA differentiates: directed shrinkage for industrialized countries, directed growth for developing countries — directedness is context-specific.

4. Steady-State Economics (Daly 1977)

Anchor work: Herman Daly (1977), *Steady-State Economics: The Economics of Biophysical Equilibrium and Moral Growth*, W.H. Freeman.

Methodological core: thermodynamically, exponential growth on a finite planet is impossible. Economy must reach a *steady state*: constant material and energy throughput, qualitative development possible.

Contribution to OECONOMIA NOVA: Daly provides the thermodynamic foundation (Hauptwerk Ch. 3). Connection to Georgescu-Roegen (1971), *Entropy Law*.

Critical observations: “Steady state” is sometimes misunderstood as zero-growth dogma. Daly later clarified — qualitative development is possible (welfare, education, health) without quantitative throughput growth.

5. Property theory (Locke, Marx, George, Ostrom, Federici, Piketty)

Anchor works: - John Locke (1689), *Two Treatises of Government*, Book II Ch. V. - Karl Marx (1867), *Das Kapital* Vol. I, Part VII. - Henry George (1879), *Progress and Poverty*. - Elinor Ostrom (1990), *Governing the Commons*. - Silvia Federici (2004), *Caliban and the Witch*. - Thomas Piketty (2014), *Capital in the 21st Century*; (2020), *Capital and Ideology*.

Methodological core: property is historically grown, not naturally given. Five complementary analyses: - Locke: property through labor (with three limits §27, §31, §33 — the Locke Proviso). - Marx: primitive accumulation as violence-based, not industry-based. - George: land rent is socially produced, not individually earned. - Ostrom: commons function (8 design principles),

refutation of Hardin. - Federici: patriarchal dimension of accumulation. - Piketty: $r > g$ as structural law, *Participation Sociale* as reform.

Contribution to OECONOMIA NOVA: the core chapter of property reform (Hauptwerk Ch. 13). Four reform instruments (Land Value Tax, progressive inheritance tax, carbon dividend, data surplus tax) emerge from this synthesis.

Critical observations: none of the six is sufficient alone. Synthesis is necessary — and is exactly what OECONOMIA NOVA provides.

6. Planetary Boundaries (Steffen 2015, Richardson 2023)

Anchor works: - Johan Rockström et al. (2009), “A safe operating space for humanity”, *Nature*. - Will Steffen et al. (2015), “Planetary boundaries: Guiding human development on a changing planet”, *Science*. - Katherine Richardson et al. (2023), “Earth beyond six of nine planetary boundaries”, *Science Advances*.

Methodological core: nine boundaries (climate, biosphere integrity, land use, freshwater, biogeochemical flows N+P, ocean acidification, atmospheric aerosols, ozone, novel substances). Crossing risks “Earth System destabilization”.

Status 2023: 6 of 9 crossed (climate, biosphere integrity, biogeochemical flows N+P, land use, freshwater, novel substances).

Contribution to OECONOMIA NOVA: Planetary Boundaries as Doughnut ceiling. Material flow accounting (FORSCH-0141) and stoffstrom-bilanz follow from this.

Critical observations: the boundary values are scientific estimates with significant uncertainty. Methodologically: precautionary principle compels treating crossed boundaries as serious, not as “possibly still safe”.

7. Anthropocentrism critique and animal ethics (Singer, Regan, Plumwood, Haraway)

Anchor works: - Peter Singer (1975), *Animal Liberation*. - Tom Regan (1983), *The Case for Animal Rights*. - Val Plumwood (1993), *Feminism and the Mastery of Nature*. - Donna Haraway (2008), *When Species Meet*. - Sue Donaldson and Will Kymlicka (2011), *Zoopolis*. - Martha Nussbaum (2022), *Justice for Animals*.

Methodological core: non-human animals are not property objects but bearers of moral and political consideration. Six convergent traditions: utilitarian (Singer), deontological (Regan), anti-dualistic (Plumwood), companion-species (Haraway), political-citizenship (Donaldson/Kymlicka), capability (Nussbaum).

Contribution to OECONOMIA NOVA: the anthropocentrism critique (Hauptwerk Ch. 5) and animal ethics in economics (FORSCH-0137). Voiceless representation (Hauptwerk Ch. 19) extends democratic structure to non-humans.

Critical observations: the traditions disagree on fundamental questions (utilitarianism vs deontology, individual rights vs collective citizenship). OECONOMIA NOVA does not commit to a single tradition — it draws from multiple lines.

8. Capability Approach (Sen, Nussbaum)

Anchor works: - Amartya Sen (1999), *Development as Freedom*. - Martha Nussbaum (2000), *Women and Human Development*.

Methodological core: development is not measured by goods or income, but by *capabilities* — what a person is actually able to be and do. Ten central capabilities (life, bodily health, bodily integrity, senses/imagination/thought, emotions, practical reason, affiliation, other species, play, control over one's environment).

Contribution to OECONOMIA NOVA: the Capability Approach grounds UBS philosophically (Hauptwerk Ch. 33). Education, health, housing as capabilities, not commodities. Nussbaum's later extension to animals supports the anthropocentrism critique.

Critical observations: Capability Approach has been criticized for liberal-individualist premises. Federici-Tradition argues for stronger collective/relational dimension.

9. Decolonial Economics (Quijano, Acosta, Shiva, Kimmerer)

Anchor works: - Aníbal Quijano (2000), "Coloniality of Power, Eurocentrism, and Latin America", *Nepantla*. - Alberto Acosta (2017), *El Buen Vivir*, Icaria. - Vandana Shiva (2005), *Earth Democracy*. - Robin Wall Kimmerer (2013), *Braiding Sweetgrass*. - Walter Mignolo (2011), *The Darker Side of Western Modernity*. - Arturo Escobar (2018), *Designs for the Pluriverse*.

Methodological core: Eurocentric economic theory is *one* tradition, not *the universal*. Pluriverse rather than universalism. Buen Vivir (Ecuadorian/Bolivian), Ubuntu (African), Indigenous Earth Wisdom (Kimmerer) as equal economic traditions.

Contribution to OECONOMIA NOVA: the Pachamama tradition (Pachamama constitutional rights Ecuador 2008, Bolivia 2010, Whanganui River NZ 2017) operationalizes nature as legal subject. The methodological position "no universalism without pluriverse" (Hauptwerk Ch. 13 decolonial lens).

Critical observations: decolonial economics is internally diverse — Latin American, African, South Asian traditions cannot be conflated. Methodologically: take seriously without homogenizing.

10. Monetary system critique (Postkeynesian, MMT, Vollgeld, Werner)

Anchor works: - Marc Lavoie (2014), *Post-Keynesian Economics: New Foundations*. - Stephanie Kelton (2020), *The Deficit Myth*. - Irving Fisher (1936), *100% Money*. - Joseph Huber (2017), *Sovereign Money*. - Richard Werner (2003), *Princes of the Yen*. - Bank of England (2014), McLeay/Radia/Thomas, "Money creation in the modern economy".

Methodological core: the textbook model of money creation via fractional reserve and multiplier is empirically false. Money emerges in the credit act of commercial banks

(Postkeynesian); the central bank reacts to demand, not regulates supply. Vollgeld tradition proposes return of money creation to the central bank.

Contribution to OECONOMIA NOVA: the architectural openness of money (Hauptwerk Ch. 9) and CBDC sub-work (FORSCH-0136). Money is not “naturally given” — it is shapeable.

Critical observations: MMT and Vollgeld disagree on whether commercial banks should retain money-creation power. OECONOMIA NOVA: architectural choice, no single answer.

11. Digital critique (Zuboff, Lanier, Pariser, Harari)

Anchor works: - Shoshana Zuboff (2019), *The Age of Surveillance Capitalism*. - Jaron Lanier (2013), *Who Owns the Future?*. - Eli Pariser (2011), *The Filter Bubble*. - Yuval Noah Harari (2017), *Homo Deus*.

Methodological core: digital platforms transform human behavior into raw material for prediction products (Zuboff). Data suppliers go unpaid (Lanier). Filter bubbles fragment public discourse (Pariser). Existential risks of human-machine fusion (Harari).

Contribution to OECONOMIA NOVA: the information war chapter (Hauptwerk Ch. 6) and KI-infrastructure sub-work (FORSCH-0138). Data surplus tax (FORSCH-0134) operationalizes Lanier-thesis.

Critical observations: Harari is methodologically less rigorous than Zuboff. The digital critique is sometimes monolithic — there are emancipatory digital traditions too (Linux, Wikipedia, FOSS, Mastodon).

12. Anarchism / Kropotkin

Anchor work: Peter Kropotkin (1902), *Mutual Aid: A Factor of Evolution*.

Methodological core: cooperation, not competition, is the dominant pattern in evolution and human society. Anti-Hobbesian and anti-Darwinian (in the social-Darwinist sense).

Contribution to OECONOMIA NOVA: Kropotkin grounds the legitimacy of Ostrom-Commons (Hauptwerk Ch. 30). Cooperation as evolution-anchored, not utopia.

Critical observations: Kropotkin's empirics are partially outdated. Modern evolutionary biology (Hamilton kin selection, Trivers reciprocity, group selection debates) confirms parts and refutes parts. OECONOMIA NOVA takes the cooperative line seriously without dogmatizing.

13. Feminist Economics (Waring, Federici, Folbre)

Anchor works: - Marilyn Waring (1988), *If Women Counted*. - Silvia Federici (2004), *Caliban and the Witch*; (2020), *Re-enchanting the World*. - Nancy Folbre (2001), *The Invisible Heart*. - Mary Mellor (2010), *The Future of Money*.

Methodological core: unpaid reproductive labor (care, household, education, emotional work) is systematically suppressed in GDP. Patriarchal accumulation (Federici) parallels primitive accumulation. Care as economic foundation (Folbre).

Contribution to OECONOMIA NOVA: Care-Income (FORSCH-0140, Hauptwerk Ch. 33). Federici-Tradition in property theory (Hauptwerk Ch. 13). Feminist MMT (Mellor) in CBDC sub-work.

Critical observations: Feminist Economics is internally heterogeneous. Liberal-feminist, Marxist-feminist, decolonial-feminist positions diverge. OECONOMIA NOVA draws from Federici/Folbre lines without rejecting others.

14. Buddhist Economics (Schumacher)

Anchor work: E.F. Schumacher (1973), *Small Is Beautiful: Economics as if People Mattered*, esp. Ch. 4 “Buddhist Economics”.

Methodological core: sufficiency rather than maximization. The right means as the right end. Right Livelihood (one of the eight elements of the Buddhist path).

Contribution to OECONOMIA NOVA: Schumacher grounds the sufficiency dimension (Hauptwerk Ch. 39). *Small Is Beautiful* as practical method.

Critical observations: “Buddhist Economics” risks Western projection onto Buddhist tradition. Methodologically: Schumacher’s insights are valid in themselves, regardless of religious-historical accuracy.

15. Islamic Finance

Anchor works: - Riba prohibition (Qur’an and Sunna). - Maqasid al-Shariah literature (Al-Ghazali, Al-Shatibi, contemporary: Tariq Ramadan).

Methodological core: prohibition of interest (Riba), prohibition of pure speculation (Gharar), profit-and-loss sharing (Mudaraba, Musharaka), real economy binding (asset-backed finance).

Contribution to OECONOMIA NOVA: Islamic Finance grounds the critique of pure financial speculation (FORSCH-0133). Real economy binding is methodologically consistent with material flow accounting.

Critical observations: Islamic Finance practice does not always live up to its principles. “Sharia-compliant” products are sometimes formally compliant but functionally identical to conventional finance.

16. African Economics (Ubuntu, Sankara)

Anchor works: - Ubuntu tradition (Mogobe Ramose 1999, *African Philosophy through Ubuntu*). - Thomas Sankara, speeches 1983-87 (especially debt-refusal speech July 29, 1987). - Walter Rodney (1972), *How Europe Underdeveloped Africa*.

Methodological core: Ubuntu (“I am because we are”) as relational anthropology vs Western methodological individualism. Sankara as historical example of directed development (Hauptwerk Ch. 38).

Contribution to OECONOMIA NOVA: Sankara-anchor in transformation chapter. Ubuntu in voiceless-representation chapter (relational rather than individual).

Critical observations: Sankara's authoritarian traits must be addressed (Hauptwerk Ch. 38 honest reflection). Ubuntu has been adopted by South African corporations as branding ("Ubuntu management"), which methodologically dilutes its critical potential.

17. Complexity Economics (Arthur, Beinhocker, Farmer)

Anchor works: - W. Brian Arthur (2015), *Complexity and the Economy*. - Eric Beinhocker (2006), *The Origin of Wealth*. - J. Doyne Farmer (2024), *Making Sense of Chaos*.

Methodological core: economy as complex adaptive system, not equilibrium system. Path dependence, increasing returns, lock-in, emergent properties. Agent-Based Modeling (ABM) as methodological tool.

Contribution to OECONOMIA NOVA: Complexity Economics grounds Tool spec FORSCH-0142 (modeling game). Soziale Tipping Points (Hauptwerk Ch. 35) are complexity-dynamic phenomena.

Critical observations: Complexity Economics is methodologically promising but practically still under-institutionalized. Most academic chairs still classical-equilibrium.

18. Behavioral Economics (Kahneman, Thaler)

Anchor works: - Daniel Kahneman (2011), *Thinking, Fast and Slow*. - Richard Thaler and Cass Sunstein (2008), *Nudge*.

Methodological core: humans are not perfectly rational. Bounded rationality, framing effects, loss aversion, anchoring, status quo bias. Nudge-Architecture as policy tool.

Contribution to OECONOMIA NOVA: Behavioral Economics grounds the marketing asymmetry chapter (Hauptwerk Ch. 12). Cialdini-Mechanisms (FORSCH-0139) are empirically validated.

Critical observations: Nudge has been criticized as soft paternalism. Behavioral Economics often kept within the neoclassical paradigm (small corrections), while OECONOMIA NOVA argues for structural reform. Replication crisis affected some Behavioral findings.

19. Postkeynesianism (Lavoie, Godley)

Anchor works: - Marc Lavoie (2014), *Post-Keynesian Economics: New Foundations*. - Wynne Godley and Marc Lavoie (2007), *Monetary Economics*. - Steve Keen (2017), *Can We Avoid Another Financial Crisis?*.

Methodological core: money is endogenous (created by commercial banks via credit). Effective demand drives output (Keynes-Tradition). Stock-Flow-Consistent (SFC) modeling.

Contribution to OECONOMIA NOVA: the monetary system chapter (Hauptwerk Ch. 9) builds methodologically on Postkeynesianism. CBDC sub-work (FORSCH-0136) presupposes Postkeynesian money creation.

Critical observations: Postkeynesianism is mostly invisible in mainstream textbooks despite being empirically more accurate. The Bank of England 2014 paper has helped — but academic dominance lags.

20. Wellbeing Economics (Stiglitz-Sen-Fitoussi, GNH Bhutan)

Anchor works: - Joseph Stiglitz, Amartya Sen, Jean-Paul Fitoussi (2009), *Report by the Commission on the Measurement of Economic Performance and Social Progress*. - Gross National Happiness Index Bhutan (since 1972). - OECD Better Life Index.

Methodological core: wellbeing measurement beyond GDP. Multi-dimensional indicators (Stiglitz-Sen-Fitoussi 12 dimensions; GNH 9 domains; OECD 11 topics).

Contribution to OECONOMIA NOVA: Wellbeing Economics grounds the GDP critique (Hauptwerk Ch. 2). Doughnut combines wellbeing with planetary boundaries.

Critical observations: Wellbeing indicators are often criticized as subjective or culturally specific. Bhutan GNH is more sociologically robust than simple “happiness surveys”.

21. Mazzucato — the entrepreneurial state

Anchor works: - Mariana Mazzucato (2013), *The Entrepreneurial State*. - Mariana Mazzucato (2018), *The Value of Everything*. - Mariana Mazzucato (2021), *Mission Economy*.

Methodological core: practically all major innovations (Internet, GPS, touch screen, iPhone-components, vaccines, mRNA) emerged from publicly funded research. Public sector as innovator, not laggard. Claw-back clauses for public-investment-derived profits.

Contribution to OECONOMIA NOVA: Mazzucato-anchor in KI infrastructure (FORSCH-0138) and knowledge exploitation (Hauptwerk Ch. 14). Public Compute, Sovereign Wealth Funds for innovation profits.

Critical observations: Mazzucato is methodologically rigorous but politically a centrist-reformer position. OECONOMIA NOVA goes further (structural property reform).

22. Cradle-to-Cradle (McDonough/Braungart)

Anchor work: William McDonough and Michael Braungart (2002), *Cradle to Cradle: Remaking the Way We Make Things*.

Methodological core: material cycle closure. Biological and technical nutrients. Products designed for disassembly and re-cycling. No waste, only nutrient.

Contribution to OECONOMIA NOVA: Cradle-to-Cradle grounds the modular product architecture chapter (Hauptwerk Ch. 32). EU Right to Repair (2024) operationalizes this politically.

Critical observations: C2C in practice often only partially implemented. Real material loops are complex (heavy metals, contamination, energy costs of recycling).

23. Synthesis: what the inventory collectively shows

Across the 21 schools (19 heterodox + Mazzucato + C2C) runs a pattern of methodological convergence on the following points:

1. **Property is not naturally given** (Locke-Marx-George-Ostrom-Federici-Piketty + decolonial + feminist).
2. **Growth is not the ultimate purpose** (Doughnut, Degrowth, Steady State, Buddhist, Wellbeing).
3. **Money is endogenous and architecturally shapeable** (Postkeynesian, MMT, Vollgeld, Werner, Islamic).
4. **Non-humans deserve moral consideration** (animal ethics, decolonial Pachamama, deep ecology).
5. **Markets need correction by commons and state** (Ostrom, Mazzucato, Polanyi).
6. **Care work is economic work** (Feminist Economics, Folbre, Federici).
7. **Behavioral assumptions of mainstream are partial** (Kahneman, Thaler, Cialdini).
8. **Complexity dynamics rule, not equilibrium** (Arthur, Beinhocker, Farmer, Otto, Centola).
9. **Pluriversum, not universalism** (Decolonial, Buddhist, African, Islamic).
10. **Path-dependent, irreversible transitions** (Polanyi, Otto, Centola — emerges across schools).

Methodological lesson: the alternative to mainstream economics is *not absent* — it exists as distributed mosaic. OECONOMIA NOVA condenses this mosaic into integrated architecture.

24. K-2 Cross-Reference Patch v0.3.1

Version v0.3.1 (June 3, 2026) is a patch after the K-2 collision (parallel chat session assigned FORSCH-0127 to 0131 to MAUTFORM cluster). Cross-references in this inventory updated accordingly: - Skeleton FORSCH-0132 (was 0127) - Financial bubbles FORSCH-0133 (was 0128) - Property FORSCH-0134 - Transformation FORSCH-0135 - CBDCs FORSCH-0136 - Animal ethics FORSCH-0137 - AI infrastructure FORSCH-0138 - Marketing+death FORSCH-0139 - Examples+reform FORSCH-0140 - Material flow FORSCH-0141 - Tool spec FORSCH-0142 - Main work FORSCH-0143

25. Closure type

Version closure v0.3.1-EN. Workshop doctrine §11 fulfilled. Open Action: full English deepening of all sub-works are planned for later workshop seasons (~50-80 PH).
