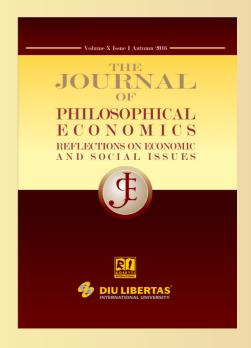
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Why has economics turned out this way?' A socio-economic note on the explanation of monism in economics

Arne Heise





'Why has economics turned out this way?' A socio-economic note on the explanation of monism in economics

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Abstract Economic science has – lamented by some, applauded by others – turned into a monistic discipline. In this short research note, a socio-economic answer to the question of why this has happened is provided by combining an economic approach to the market for economic ideas with a sociological approach to a scientific (power) field.

Keywords: pluralism, monism, heterodoxy, standardization, regulation

Introduction

As several studies have shown, pluralism in economics is a bygone assumption (see e.g. Heise, Thieme 2016; Lee 2009). This statement assumes that economics had been characterized by pluralism in earlier times. Indeed, the period until World War II is often described as a pluralistic period (see e.g. Morgan, Rutherford 1998), and the 1960s and 1970s also experienced a rise in pluralism after what has been dubbed the 'The Second Crisis in Economic Theory' (see Robinson 1972). For some, most notably the heterodox faction of the economic scientific community and many students, this is a lamentable development and

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claims for a re-pluralization have been made. [1] For others, it is the necessary and therefore applauded result of a science reaching maturity.

Much ink has been spilled on the discussion about the need for pluralism and the effects (cost or benefit respectively) of its loss (see e.g. Salanti, Screpanti 1997; Garnett, Olson, Starr 2010), much less has been written to provide a clear conceptualization of pluralism (see e.g. Garnett 2006). One of the major problems in the discussion on pluralism versus monism is the obscurity of the terms used. Pluralism (and the same holds for monism) may be applied to theories, methods, methodologies, epistemologies, ontologies and paradigms - all conveying a different meaning. If not stated otherwise, the term pluralism (or monism) used here always refers to paradigmatic pluralism. This implies the existence and tolerance of adversarial scientific research programs with respect to their heuristic dimensions beyond mere epistemological or methodical variations within a paradigm. [2] Moreover, even less investigated is the reason for or background forces of the development from 'inter-war pluralism to postwar neoclassicism' (Morgan, Rutherford 1998). For those who believe economics ought to be monist, in the sense that it eventually spawns a 'normal science' of the Kuhnian type, there simply is no question to reflect upon (see e.g. Goodfriend 2007). For those, however, who advocate pluralism (see e.g. Salanti, Screpanti 1997; Kellert, Longina, Waters 2006; Fullbrook 2008; Garnett, Olsen, Starr 2010), its absence must be disturbing, and an explanation is badly needed in order to propose remedies that might reverse the process of de-pluralization in the future.

John King, a staunch defender of pluralism, is among the few who has provided an answer to 'why economics has turned out this way'; nevertheless, he concedes: 'and I am still not sure to have the full answer' (King 2016, p. 7). He highlights two reasons:

 the pretention that economics is a 'rigorous science' demands a single, generally accepted representation of the 'truth' based on formal reasoning and sophisticated empirical testing (i.e. the methodology of positivistic fallibilism)

 the economic discipline touches too much on vested interests to allow for a free investigative project pursuing every possible trail of thought.

While both explanations may appear intuitive to critical minds, they are not entirely convincing on closer inspection from a perspective not so inclined, or, rather, they need further argumentative support to become more appealing. That is what this short research note seeks to provide: In the next two sections, I will scrutinize the arguments and point out deficiencies. In a fourth and fifth section, I will unfold a socio-economic theory of the 'market for economic ideas' and provide some evidence for restraints on competition (or, sociologically speaking, an uneven battlefield) which will support King's explanations. This will serve as a foundation for some proposals for re-claiming pluralism.

Methodological ineptitude and the quest for monism

Although economics is arguably the strictest social science in its methodological rigour (see e.g. Freeman 1999; Colander 2005), economists are usually not very well trained in terms of methodology (see Caldwell 1988). By that it is meant that in relying on positivistic fallibilism, economics emulates the natural sciences in its search for 'the one and only truth'. The insistence on positivistic ('scientific') 'objectivity' as opposed to normative 'advocacy' marked the beginning departure of economics from economic sociology as a result of the 'Methodenstreit' which took place in the German-speaking world and elsewhere at the end of the 19th century (see Moore 2003). Economics turned into a science – emphasizing methodological unity with the natural sciences (see e.g. Mirowski 1989) [3] – claiming to be 'a body of systematized knowledge concerning what is' (Keynes 1891, p. 34) or, as Milton Friedman (Friedman 1953, p. 4) stated in his famous article 'The methodology of positive economics':

Positive economics is in principle independent of any particular ethical position or normative judgement. ... Its task is to provide a system of generalizations that can be used to make correct predictions about the consequences of any change in circumstances. ...Its performance is to be judged by the precision, scope, and conformity with experience of the

predictions it yields. In short, positive economics is, or can be, an 'objective' science, in precisely the same sense as any of the physical sciences.

Based on such a fallacy, economics is pursued by most economists [41 as a science that ultimately will provide a single, generally accepted, historically unspecific answer to all economic problems (see e.g. Middleton 1998, p. 344; Schultze 1996, p. 26; Williamson 1997, p. 365); i.e. something that can be taken as 'truth':

...a thumbnail sketch of what a genuine science of economics would amount to: it would ideally be a discipline that sought a complete, objective account of the 'laws of motion' which would causally explain the 'characteristics' and 'function(ing)' of the investigator-independent economic 'system' in its parts and as whole. Although this conception of an economic science does not deny ontological complexity and diversity and does not deny human fallibility, it does lend itself to an ultimately monistic paradigmatic vision of the future of the economics discipline (Mariyani-Squire/Mossa 2015, p. 200).

This strong scientific claim matches neither the necessary ontological and epistemological preconditions that the object of inquiry – the economic order – must fulfil if 'truth' is to be established nor a similarly rigorous methodological exigency that is critically disclosed (see Heise 2017). The foundation of scientific monism, the 'one world-one truth' principle, can be upheld only under very restrictive and unrealistic conditions: a) the existence of a single (economic) reality and the objectivity of its emergence, which is questioned by post-modern constructivism (see Berger, Luckmann 1966); b) the assumption that the economic order (or system) is a 'closed system' which would exclusively allow for (stochastic) predictions based on detectable links between system elements (constituting 'analytic judgement a priori' in a Kantian sense). Although this assumption is highly dubious and definitely cannot be taken as an (unquestionable) axiom, this is exactly what mainstream economics [51] does:

It is indeed the proclaimed virtue of general equilibrium reasoning that it takes into account all the possible interactions between all the elements that are included in the model; therefore, if uncertainty about future possibilities appears to prevent the completion of the set of connections between present decisions and their full set of consequences, then we must agree that the imaginative response of Arrow and Debreu in extending the set of elements to include all future dates and all possible states of the world – which are fully connected to every other element in the model – was methodologically appropriate (Loasby 2003, p. 291).

However, what is methodologically appropriate for concise model-building is not necessarily appropriate for the representation of reality.

If the ontological and epistemological requirements for a monist approach are too demanding to be fulfilled, one could still hope for a clear-cut discrimination between theoretical approaches by empirical testing — which by itself can only establish provisional or conjectural knowledge but no 'truth'. Yet, due to the 'problem of induction' and the so called 'Duhem-Quine' thesis, an objective demarcation between 'truth' and 'non-truth' or a similar objective discrimination between competing theories or theoretical systems (paradigms) is simply impossible (see Blaug 1980, p. 26). This does not ultimately imply the complete rejection of the existence of objective knowledge (as constructivists would claim), but undoubtedly it implies the end of certainty concerning the establishment and proof of objective knowledge — which is thus replaced by the admittance of ontological and epistemological pluralism as a scientific imperative of economics.

Monism, therefore, is not the logical result of the pretence that economics is like the natural sciences and the indicator of its maturity; rather it follows from a methodological error regarding the ontological and epistemological constraints of the discipline, thus making paradigmatic pluralism indispensable.

Vested interests and economics

There is no doubt that economics covers topics that are deeply affected by vested interests. Moreover, the 'knowledge' provided by economics surely helps special interest groups to gain the upper hand in disputes about policy-making and the provision of public goods which simply cannot serve in a 'neutral (or merely functional) way the general welfare of society for the reason that such a thing – the welfare of society – cannot coherently be conceptualized. Since Kenneth Arrow's seminal book (Arrow 1951), we know that what contributes to the welfare of a society is, at best, determined by the majority or, more realistically, by the minority who are able to frame their particular interests as the common interest of the wider society (see e.g. Bartels 2008; Hacker, Pierson 2010; Häring, Douglas 2012). This framing process requires considerable resources which can better be provided if one is successfully participating in the market – which, in turn, results in a pro-market bias. Taking into consideration that universities, the major organisations of knowledge-creation, are in many countries private enterprises, it appears difficult to deny that economic research and education at these private universities may well also display a pro-market bias and disparage more critical approaches[6] – not necessarily as a downright conspiracy, but rather as the result of a cultural constraint imposed by the patrons of the private universities. [7] But even if this description were right, how would that translate into a general discrimination against critical approaches if it is conceded that the vast majority of universities around the world are public organizations which are free to follow other – less pro-market oriented theories and paradigms – currents? Why should that part of the economic scientific community not under its patrons' tutelage still reject scientific pluralism given that monism is clearly untenable?

The market for economic ideas

The practice of basic economic research and education is concentrated in universities. The market for economic ideas is, therefore, determined by the way scientific personnel (as 'factors of production') – mainly professors – are

recruited and the way university researchers conduct their research in a methodological and paradigmatic manner (as 'production programme' or 'technology'). The output provided by the market for economic ideas — basic economic research — is a pure public good (see Eggertsson 1995, p. 206) with the particular characteristic of a credence good unveiling its value to the consumer only after consumption, if at all. Although these characteristics imply that it has no price, it means neither that basic research will not be privately supplied nor that there are no means to govern the market for economic ideas. I81 What it means is that the demand side of the market is not controlled by those who pay for its provision — which, at least in most public universities, is the general tax payer or, if tuition is charged, the student — but by the scientific community itself (see Menand 1996, p. 7) which enjoys academic freedom.

The private provision of the public good 'basic economic research' is motivated either by being a joint-product of academic education or because it serves an ideological purpose (see above) benefitting the financier of the private universities. And because the price does not regulate the market, rewards such as attention and reputation must take its place. And again, it is the scientific community, not the tax paver or the student, that bestows such attention and reputation on the producer since the basic economic research is a credence good. This, of course, constitutes the need for standards determining what is good scientific practice and output and measuring its quality as the basis for reputation-assignment. Moreover, the 'market for economic ideas' is distinguished further by characteristics that call for the introduction of standards in order to govern it: at most times, it shows the combination of high supply (of academics qualified to take a professorship) and low demand (for tenured professors) resulting in a quasi-permanent excess-supply ('shrink market') [9] and rendering it very risky. This is particularly the case because the attainment of a (tenured) professorship requires the acquisition of high and very specific human capital that can hardly be utilized in any other profession (see Eggertsson 1995, p. 203) and is, thus, associated with high sunk cost.

From this accrues a demand for standard-setting which mitigates the risks involved by providing guidelines for ontological, epistemological and methodological constraints that mark the boundaries between 'good' and 'bad/no'

economics. On the other hand, due to network externalities, learning effects, and high sunk cost, the market for economic ideas is prone to develop ontological, epistemological, and methodological path-dependencies (see Morgan 2015), creating a situation of 'lock-in' which can be interpreted as a process of implicit standardization (see Arthur 1989). While in former times, when the scientific community was a very small, close-knit elite group of people knowing each other, gate-keeping into the academic system of economics had been provided by networking based on sociodemographic similarities ('habitus') and direct personal control, [10] this no longer functions after academic education has become mass education and the scientific community has been inflated enormously.

Now, gate-keeping is provided by ontological, epistemological, and methodological standardization, which is a rational regime from the perspective of the individual researcher (minimizing his risk) but may be dangerous from the perspective of the discipline if it strangulates the competition of ideas on paradigmatic grounds. And the process of 'product differentiation' which usually evolves in order to transform a 'shrink market' into a 'niche market' (characterized by a situation of 'excess-demand'), may provide theoretical variation within the 'standard' paradigm but not the required paradigmatic pluralism. [11]

Yet, even if the market for economic ideas were prone to market failures which are disclosed in restricting paradigmatic competition, would not the victor – i.e. the one who manages to set the standards – be coincidental? Or, put differently, why should a market-apologetic paradigm prevail as King predicted (with reference to Karl Marx)? [12]

Power, hierarchy and the economic battle field

If one wants to predict the outcome of a process of standardization, one needs to know the direct benefits of different candidates (i.e. competing paradigms) to its (potential) users and the benefit that results from network externalities (i.e. the

use that stems from the fact that the paradigm is used by others) which are related to the number of users (see e.g. Elsner 2012, pp. 166). In this very setting, the process of standardization may become random, once the initial conditions satisfy a high degree of equality throughout the distribution of users across different paradigms. But even if that were the case — which, of course, is not very realistic - other factors may contribute: the endowment of different paradigms (or, rather, their academic representatives) with economic (e.g. professorial positions and third party funding), social (e.g. networks within and without the scientific community), cultural (e.g. editorial board memberships on important journals) and symbolic capital (e.g. awards or highly visible positions beyond the university) will impact on the choice of and adherence to a paradigm as much as the weight that must be assigned to network externalities, assuming that some users are more powerful than others in the economic field.

Recent work on the socio-economics of economics has been very illuminating in this respect. Taking 'economic ideas' as being an international public good (see Eggertsson 1995, p. 207) and the economic system as being strictly hierarchically structured (see Fourcade, Ollion, Algan 2015, p. 96), a handful of private, elite US universities became the key-players in the standardization game. They control the journals which frame topics and bestow excellence on research(ers), they set the curriculum of Ph.D. programmes world-wide where the ontological, epistemological, and methodological tool-kit is passed on to the next generation of researchers (see Hodgson, Rothman 1999). These universities are not only extremely well equipped with economic capital (each elite US university commands a hundred times more financial resources compared to public universities world-wide), they rose to excellence under the cultural pretence that universities need to be beneficial to the society in order to gain legitimacy and acceptance. In a society - the USA - in which the market as the core constituent plays a crucial role in determining not only output and prices, but in legitimizing income aspirations and wealth distribution in a purely meritocratic way, [13] it is hard to see how the economic discipline could not have developed a pro-market bias (see Fourcade 2009, p. 33). And even after their strong grip on the system had been loosened slightly (and, only temporarily, as it turned out) during the 1960s, when the combination of political movements and the vast extension of the higher education system opened a 'window of opportunity' for

economic pluralism, the situation could not be sustained as long as the endowment with the different kinds of capital remained as unequal as before. [14] Moreover, standardization as a gate-keeping measure became ever more important after personal control ceased to work in a world in which half of each age cohort takes up university study. In some countries (such as the UK), this standardization has become rather formal (see e.g. Lee 2007; Lee, Pham, Gu 2013). In others (such as Germany), it remained mainly informal, yet no less effective (see e.g. Heise, Sander, Thieme 2016). Although this research note is only concerned with the market for economic ideas, one might argue that the gist of the argument put forward here would presumably apply equally to other disciplines of the social sciences such as sociology or political science which, nevertheless, have remained pluralistic. I believe closer inspection would prove the crucial differences between the market for economic ideas and the markets for ideas of other social sciences: The other social sciences are in general more 'applied' (real world) sciences than economics, [15] requiring the accumulation of less specific but more general human capital with lower sunk cost. Moreover, the scientific pretentions of economics as compared to the other social sciences are different. None of the other social sciences would claim to provide 'the one and only truth' ('erklären'; requiring a monist vision of the world) but rather a historically and institutionally backed understanding ('verstehen') of the social order, including the advocacy of normative positions (requiring a pluralism of approaches). Additionally, none of the other social sciences have developed axiomatic epistemologies that could claim to become a 'normal science' of Kuhnian type and, finally, none of the other social sciences is as hierarchically structured as economics (see e.g. Fourcade, Ollion, Algan 2015, p. 96). Therefore, even if there was a demand for standardization within the other social sciences, this demand could not be met by a paradigmatic standardization along the lines of epistemological, ontological, and methodological monism.

Re-claiming pluralism in economics

John King is brave enough to concede that he is not sure of the answer to the question of why economics turned into a monist discipline based on a promarket paradigm. And he is even less sure of what can be done to change this

situation, yet proposes the following strategies: '...closer co-operation with each other (among the heterodox economists, A.H.), more interdisciplinary collaboration with the other social sciences, and pressure for political economy to be taught as a discipline in its own right, separate from departments of (mainstream) economics' (King 2016, p. 9). Although the quest to strengthen the ties among those members of the economic scientific community who are being discriminated against and to extend the ties beyond the disciplinary borders towards the more open-minded political and social sciences appears a sensible and comprehensible strategy, in combination with the proposal to claim heterodox economics as a distinct scientific discipline ('Political Economy'), it can only be rated as surrender and retreat, i.e. a Dunkirk strategy. [16]

Now that a socio-economic approach to economics has been presented, it must be accepted that a market such as the market for economic ideas, which is prone to market failure and is showing an extremely uneven battlefield in terms of the distribution of economic, social, cultural and symbolic capital, self-regulation in the sense of 'good economic theories will eventually assert themselves', cannot be expected. [17] However, rather than deserting the market entirely, it might be better to try first to regulate the market in order to overcome its failures. As it would be naive to hope for a re-distribution of economic, social, cultural and symbolic capital in the economic field in the nearer future, regulation must create and secure a place for all economic theories and paradigms, including heterodox economics which bows to the methodological requirements of positivistic fallibilism [18] in economics departments. This could, for instance, be achieved by introducing a 'pluralism codex' requiring the appointment of scientific staff from different paradigmatic backgrounds. This, again, could be controlled by 'equal opportunity commissions' and reinforced by providing financial incentives through public research funding bodies.

Of course, to hope for such regulation may be judged equally naïve, considering the way the economics profession is. [19] Still, there appears to be one gateway for the introduction of formal regulations: at the root of 'self-regulation' of the scientific community lies 'academic freedom'. However, academic freedom not only passively safeguards the actors in the market for economic ideas against inappropriate interventions from the state; the concept of academic freedom also

involves the obligation of the members of the scientific community (and the state) to create conditions under which the procurement of knowledge can be provided free from discrimination or harassment (see Mason, McCallum, Haiven 2015, p. 9). I201 Based on the meta-theoretical foundations laid out above, an appropriate organisation of the economics discipline must guarantee ontological, epistemological, and methodological pluralism in research and education, not only as an ethical principle but as a scientific imperative – noncompliance must be judged as a violation of academic freedom.

Until now, the violation of academic freedom with respect to a lack of pluralism has been perceived only, if at all, at the level of a specific department (as, for instance, in the case of the University of Manitoba; see Mason, McCallum, Haiven 2015). It ought to become a general device including the principle of 'negative discrimination' until a certain degree of pluralism has become established in every economics department and scientific pluralism has become a part of the 'cultural capital' of the discipline.

Endnotes

- [11] Most recently, this has been done in a volume titled *Reclaiming Pluralism in Economics* edited by Courvisanos, Doughney, Millmow (2016).
- [2] For a more detailed discussion see Heise (2017) and Fullbrook (2013).
- [3] It has been claimed, though, that many natural sciences such as Physics have undergone a 'pluralistic turn' in the past which the economic discipline is still lacking; see Fullbrook (2014).
- [41] It must be condeded that this perspective cannot solely be attributed to mainstream or orthodox economists but is also assumed by many heterodox economists; see e.g. Van Bouwel (2004), Freeman, Kliman (2006), Holcombe (2008).

- 151 As is common, I take the 'dynamic stochastic general equilibrium model' as the core of mainstream economics; see e.g. Carlin, Soskice (2006: 574ff.) who dub it the 'neoclassical benchmark model' covering neo-Keynesian as well as new classical macroeconomics based on microeconomic foundations.
- I61 Paradigmatic pluralism entails the acceptance of adversarial scientific research programmes with particular respect to their ontological dimensions. As the ontological dimension of mainstream economics frames an exchange perspective as pre-analytic vision (with the 'market' as the place where the ontic operations take place), adversarial scientific research programmes would replace the homologous exchange ('market') perspective with another heuristic device, e.g. asymmetric creditor-debtor-relations as in Post Keynesian economics or power relations as in Marxian economics (see Heise 2016). It is, first of all, in this sense that the non-mainstream would have to be critical to the market perspective. However, as mainstream economics *cum grano salis* holds a very optimistic outlook on the clearing capabilities of free markets, a critical market perspective of non-mainstream economics is typically, but not necessarily equated with market deficiencies, market instabilities and market failure.
- [7] For a classical account of the governance of universities acting as business corporations see Veblen (1918). For a historical account of some cases of individual harassment leading ultimately to the foundation of the American Association of University Professors in 1915 particularly promoting academic freedom see Haskell (1996).
- ISI Some authors (e.g. Albert 2006, Mirowski 2004: 60, Wible 1998) question the applicability of economics to the investigation of the procurement of knowledge as insinuated by the metaphor of a market of ideas. This position is not assumed here as economics provide helpful tools to conceptualize public goods such as economic ideas.
- 191 This characteristic of the market for economic ideas at the level of professorial appointments is not coincidental but necessary to the academic recruitment principle of 'selection of the best'.

[10] Eggertsson (1995: 204) reports – with reference to Keynes – on the influence which Alfred Marshall had on the professorial appointments at British and overseas universities in the English-speaking world.

[11] For the distinction between 'variation' and 'pluralism' see Heise (2014: 74ff.), Heise (2017).

[12] See King (2016: 8) who cites Marx (1867: 10): 'In the domain of Political Economy, free scientific inquiry meets not merely the same enemies as in all other domains. The peculiar nature of the material it deals with, summons as foes into the field of battle the most violent, mean and malignant passions of the human breast, the Furies of private interest.'

[13] This is part of the 'American dream' and a founding principle of the United States of America, based on settlers escaping from feudal Europe with its social stratification based on descent (see e.g. Hochschild 1995 and Hacker 2008).

[14] For the development of heterodox economics see Lee (2009), King (2002) and Heise, Thieme (2016), Heise, Sander, Thieme (2016) with particular reference to Germany.

[15] Economics, for instance, has much more often than other social sciences been criticized for relying overtly on formal rigorousness than on relevance or realism.

[16] It should be conceded that a Dunkirk strategy – as in the name-giving event – can be a successful retreat to a more defensible position. However, it would still involve surrendering the economic discipline to the mainstream.

I171 Goldman, Cox (1996: 30f.) distinguish between 'competition of ideas in an unregulated (free) market' and an 'adversarial system of discourse', which are often confused. The former does not provide an optimal acquisition of knowledge, while the latter needs a regulatory framework in order to do so. It is this 'adversarial system of discourse' which only scientific pluralism can guarantee.

[18] This concession is necessary to prevent a methodological 'anything goes' (which, at least, would clash with the scientific pretences of the economic discipline) and to avoid the ordinary accusation that pluralism means obscurantism (see Tirole 2014).

I 191 One referee noted that my proposals to promote greater pluralism in economics by somehow equilibrating the number of scholars supporting promarket and anti-market approaches appear to be far too simple to exert the desired effect. Although I am entirely willing to accept this critic, I need to emphasize that my proposals tried to pluralize the 'market for economic ideas' by opening access routes for heterodox paradigms and heterodox economists — a possible, but not necessary outcome of a different distribution of pro- and anti-market approaches would be entirely secondary.

[20] Coase (1974b) draws our attention to the fact that regulating commodity markets is viewed far less critically than regulating markets for ideas. The reason is that regulating markets for ideas is often feared to undermine the freedom to express such ideas.

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Arne Heise is Professor of Economics at the Department of Socioeconomics, University of Hamburg, Germany and Director of the Center for Economic and Sociological Studies (CESS) at the University of Hamburg (Arne.Heise@wiso.uni-hamburg.de).