"Supra-stewardship": a tool for citizen participation in European Union pandemic preparedness planning

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Abstract

This article proposes developing the public bioethics aspect of stewardship and applying it to the European Union (EU) as “supra-stewardship”, a tool for opening a discursive space for citizen participation in EU pandemic preparedness planning. With this in mind, the article highlights some of the contours for engagement on the boundaries of responsibility and production of governance distortions and failures brought out by attention to framing, distribution, vulnerability and learning. This should help citizens to tackle the complementary expert and public rationalities that undermine their involvement, contribute supplementary knowledge towards governance, and help promote institutional learning by the EU and resilience.

Key words: pandemic influenza; preparedness; security; participation; supra-stewardship

Introduction

The EU has an increasingly prominent role in public health issues, as highlighted by its pandemic preparedness planning, such as for the recent influenza strain H1N1 or “swine flu”. This planning aims to ensure the EU is of “added value” in the face of “emergency” by respecting member state (MS) responsibility for the “management of health services and medical care and the allocation of the resources assigned to them”. It does so by ensuring the interoperability of proliferating MS plans and, as an instance of reflexive governance or the “government of governments”, the readiness of “essential...
infrastructures”. These comprise: planning and coordination; monitoring and assessment; prevention and containment; health system response; and communication. EU preparedness distributes responsibilities around the EU’s multi-level system of governance to a range of actors, including: the European Commission (the Commission); the European Centre for Disease Control (ECDC); MS authorities; private actors such as manufacturers of vaccines; the news media; and the EU’s citizenry. While the “imperative of preparedness is not new”, EU preparedness (hereafter simply preparedness) is still quite a recent and underexplored phenomenon.

Working within science and technology studies’ (STS) view that “the technical is political”, Jasanoff terms risk assessment and management techniques like preparedness “technologies of hubris” since they make problems like pandemics visible in an effort to manage them and keep the economy working. Making a point that resonates with the governmentality perspective used in this article and introduced in section 2 below, Jasanoff stresses how these technologies operate to depoliticise and naturalise governance, and as such help to quiet contestation and dissent, and ultimately legitimate that governance. Yet, they also engender “perils of prediction”, especially in contexts of high uncertainty, such as masking the normative in the technical, and the production of governance distortions and failures.

Jasanoff asserts that identifying, managing and potentially correcting such “perils” requires a “civic epistemology” that gathers supplementary knowledge from throughout society. This is to be achieved through a “technology of humility”: citizen participation around the focal points of framing, vulnerability, distribution and learning to query the purpose of risk governance, whom it hurts, whom it benefits, and how we might know. Given this, how might citizen participation around the focal points be facilitated to resist depoliticisation and naturalisation of governance, to raise awareness and promote discussion around the boundaries of responsibility as well as the production of governance distortions and failures, and generate knowledge for decision-making? How might law – specifically human rights – assist in facilitating this task and with what tools?

While recognising that citizen participation requires a range of formal and informal mechanisms, processes and fora, I focus on constructing a biopolitical discursive space in which citizens can use the focal points to demand and contest decision-making. I develop and seek to facilitate human rights’ recent interest in citizen participation – also a hot topic in the

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7 Article 9 TEU and Article 20 TFEU.
12 Jasanoff, “Technologies of humility”, n. 10 above.
EU\textsuperscript{15} – as being about empowerment.\textsuperscript{16} Attention to empowerment resonates with the nuance in STS that “the technical is potentially political”,\textsuperscript{17} in that it helps attune framing, vulnerability, distribution and learning towards the identification of disempowerment and potentially unjust power relations – that is, when citizen participation makes sense and preparedness should be political.\textsuperscript{18}

This is part of a broader attempt by human rights to develop something other than a zero-sum relationship with discourses of risk, safety and security,\textsuperscript{19} and maintain a connection with the targets of governance especially in fast-moving contexts typified by high uncertainty. Human rights must also demonstrate efficacy in the face of competition for regulatory relevance – and different figurations of citizen participation – from the other points of the “bioethical triangle” shaping governance: a largely restrictive and disempowering dignitarian perspective\textsuperscript{20} and a pragmatic utilitarian perspective. Even as failure might create a “toxic” backlash against human rights as it seeks to shape risk governance, encouraging public interest has been highlighted as the main benefit of such an approach.\textsuperscript{21} At the same time, citizen participation around the focal points is intended to recognise the possibility of ambiguity or unforeseen consequences, supplement dominant technologies of hubris, and as such might make governance and human rights more resilient in the event of failure.

Bearing in mind Moore’s observation that “public bioethics has so far remained largely separate from the analysis of public participation in scientific governance”,\textsuperscript{22} in the next section I nominate and seek to instrumentalise the public bioethics aspect of stewardship, a model for population-level bioethics that is linked to and inflected by human rights. As I explain, this link to human rights makes stewardship adept at being honed into supra-stewardship by and for citizens: a tool to open a discursive space around, and their participation in, preparedness.

In section 3, I suggest how supra-stewardship could be used to make an initial attempt at bringing out the normative in the technical by exploring the construction of preparedness through discourses of risk, security, public understanding of science (PUS), and which are undergirded by neoliberalism. I recommend only some of the contours for engagement on the boundaries of responsibility and governance distortions and failures brought out by attention to framing, distribution and vulnerability. Further, I highlight the denial of citizens’ potential to connect with and make a substantive contribution towards

\textsuperscript{15} Making it a site of great hope for the democratisation of the global governance of life: S Jasanoff, “Biotechnology and empire: the global power of seeds and science” (2006) 21 OSIRIS 273. \\
\textsuperscript{18} Brown, Science in Democracy, ibid. Also see: A E Yamin, “Suffering and powerlessness: the significance of promoting participation in rights-based approaches to health” (2009) 11 Health and Human Rights 5. \\
\textsuperscript{20} For example, see: R Brownsword, “Human dignity, ethical pluralism, and the regulation of modern biotechnologies” in T Murphy (ed.), New Technologies and Human Rights (Oxford: OUP 2009). \\
\textsuperscript{21} T Murphy, “Technology, tools and toxic expectations: post-publication notes on New Technologies and Human Rights?” (2009) 2 Law, Innovation and Technology 181. \\
governance through their construction within a disempowering “deficit model” as being in need of education through their participation. This “peril of prediction” complements the hubristic expert rationality in preparedness. In the final section, I explain that supra-stewardship might help citizens to resist the deficit model, especially by allowing them to contribute knowledge towards decision-making, and promote institutional learning by the EU as well as resilience.

**Supra-stewardship**

In sketching supra-stewardship I overview and highlight some key and useful features of stewardship models in the context of public health. I do not examine their respective advantages and disadvantages. I use a critical theory and especially Foucault-influenced way of thinking about supra-stewardship, citizen participation and governance. Put simply, I am interested in these as discourses because they literally produce power – and provide a way to shape it. In the context of disease, epidemiology and risk have historically laid the basis for governance. Their focus on population as the “end and instrument of government”, make it “possible to think, reflect, and calculate . . . outside the juridical framework of sovereignty”, and give rise to governmentality.

In this setting freedom is “one of the facets . . . of the deployment of apparatuses of security”. Security is about responding “to a reality in such a way that . . . [it] cancels out the reality to which it responds . . . regulates it”. In late modernity there is resort to neoliberal rationality through the use of market techniques and practices of “governing at a distance” in order to induce self-management and optimisation of health and welfare. Extending this are moves towards reflexive governance. Dean explains that these work by “securing the mechanisms of government. Society itself can be changed, according to this view . . . through transformation of the mechanisms by which it had previously been governed”. Moreover, the accountability and legitimacy of governmentality becomes ever more important as formally accountable sites of power tighten their relations with science and technology, and citizens engage with this reflexively as a “knowledge society”.

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23 Flear and Vakulenko, “A human rights perspective”, n. 16 above.

24 Cf. the other articles in this special issue. This article uses the approach and borrows elements developed elsewhere: Flear and Vakulenko, “A human rights perspective”, n. 16 above.


27 Ibid. p. 49.

28 Ibid. p. 47.


31 Dean, Governmentality, n. 5 above, p. 226 (emphasis added).


In light of this, supra-stewardship can be sketched out. In the World Health Organisation’s (WHO) version, stewardship is linked and even conflated with governance.34 The *World Health Report 2000* explains how stewardship essentially involves “setting and enforcing the rules of the game and providing strategic direction for all the different actors involved”.35 It is “the very essence of good government”, with state governments having the “[u]ltimate”36 responsibility.

More recently, the Nuffield Council on Bioethics in its report *Public Health: Ethical issues*37 (Nuffield) sought to develop a human rights-based approach to incorporate a precautionary way of thinking into population-level bioethics for public health contexts. Three of Nuffield’s authors, Baldwin, Brownsword and Schmidt, note how stewardship means that “liberal states have responsibilities to look after important needs of people both individually and collectively. Therefore, states are stewards both to individual people . . . and to the population as a whole”.38 Developing stewardship beyond the state into “super-stewardship” is noted by Brownsword as “a significant item of unfinished business”.39

Part of that task is developing the public bioethics aspect of stewardship as a tool for citizen participation. As Ashcroft explains, public bioethics is “a set of practices for legitimating the ‘social license to practise’”40 of medicine and the broader governance of life. Recognising the de-legitimating crises and failures of late modernity’s technologies of hubris – such as bovine spongiform encephalopathy (BSE) and genetically modified organisms (GMOs) – and in an attempt to tackle normative concerns, there has been a widespread turn towards bioethics – including within the EU – that arguably displaces the centrality of those scientific and technical models.41 As such, instrumentalising and widening the rhetorical opening provided by public bioethics is a useful resource for a human rights-oriented and inspired perspective interested in empowering citizens.

I use the term *supra*-stewardship to emphasise the EU’s *sui generis* or *supra*-national nature and focus on the public bioethics aspect of its stewardship responsibilities towards its citizens.42 In adopting a human rights-oriented approach, I suggest only some of the contours for empowerment of citizens as they bring out the normative in technical through engagement around the boundaries of responsibility and the production of governance distortions and failures. This engagement is facilitated by attention to framing, distribution, vulnerability and learning. I stop short of establishing criteria for assessing preparedness or prescribing the precise features of supra-stewardship. In an empowering way, it is for

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41 Moore, “Public bioethics and public engagement: the politics of ‘proper talk’”, n. 22 above.
42 Cf. S Holm, “From steward to Stuart: some problems in deciding for others” and T Hervey, “The European Union, its Court of Justice and ‘super-stewardship’ in public health” (containing an extensive review of the EU’s deeply contested nature), both developing the EU’s stewardship role in this special issue.
citizens to explore further the protean, open-textured and polyvalent nature of stewardship so that they might hone a tool for their participation in governance.

As an indication, in terms of framing, when informed by the WHO, supra-stewardship could ensure a focus on “improving overall levels of population health”43 and “oversight of the entire system, avoiding myopia, tunnel vision and the turning of a blind eye to a system’s failings”.44 References to pandemic planning in the WHO and Nuffield versions of stewardship do emphasise essential infrastructures, but they are part of a broader attention to population and the conditions that support it. Importantly, Nuffield uses pandemic influenza as a jumping-off point for considering cross-border obligations, noting how it is “also reasonable” to apply stewardship at a “much higher level”.45 The central example given – duplicated by the EU and noted as problematic below – is that countries should notify others of a serious infectious disease outbreak, following WHO procedures. Yet, since such cross-border obligations require an efficient surveillance system and some countries lack such capabilities, richer countries become obligated to “seek to enhance the capacities of developing countries to conduct effective surveillance of infectious diseases”.46 Surveillance is “not simply a national matter”.47 Interestingly, the ECDC is referred to here, alongside the WHO and the Centers for Disease Prevention and Control in the United States, as “international partners”.48

As elaborated below, a focus on pandemics in cross-border governance has implications for distribution and vulnerability, both within the EU and in its external relations, and they could be teased out by stressing wider public health objectives. For instance, similar to Nuffield, the WHO notes the objectives of stewardship “are likely to be framed in terms of equity, coverage, access, quality, and patients’ rights. Baldwin et al. note that stewardship means taking account of “different needs arising from factors such as age, gender, ethnic background or socio-economic status”.50 Bolstering this is a focus on supporting population through the “conditions that allow people to be healthy, focusing attention, in particular, on reducing health inequalities”.51 Finally, learning means using engagement around the other focal points to open up space for collective and especially institutional learning by the EU around uncertainty and ambiguity, the delineation of its responsibility, the production of governance distortions and failures, and ways of promoting the uptake and use in decision-making of the knowledge produced by citizen participation.

In drawing on stewardship models, supra-stewardship could derive power from their foundation in human rights and bioethics. While others have discussed the advantages and disadvantages of the link between them,52 it is more important here to recognise its presence in several international declarations,53 and the scholarly discussion of what that

44 “Message”, n. 35 above, p. ix (emphasis added).
45 Nuffield Council, Public Health, n. 37 above, p. 68 (emphasis added).
46 Ibid.
48 Ibid. p. 68.
49 “Governance”, n. 43 above.
51 Ibid. (emphasis added).
53 For instance, the Universal Declaration on Bioethics and Human Rights (2005), and in the European context in, for instance, the Convention on Human Rights and Biomedicine (the Oviedo Convention 1997) and its protocols.
entails. That is, as Ashcroft summarises, whether human rights might “subsume or replace bioethics, at least at the level of the public governance of medicine and the life sciences”.

Most notable for present purposes is human rights’ capacity, also noted by Ashcroft, and highlighted by Montgomery in his discussion of Nuffield, to facilitate communication between governance and citizens – as Black explains it, “putting the views of each set of participants [in governance] into a language that the others can understand” – and to provide a rhetorical opening for participation.

Ashcroft describes the point of particular interest:

[The potential of human rights in the] hands of activists, at least to disrupt . . . by challenging the language, the types of problem recognised . . . and the working methods of the public bioethics process. This might particularly be the case where the challenge to bioethics comes from groups which have tried – and failed – to challenge the policy consensus by other methods.

In relation to preparedness, and as detailed further in the next section, the groups that might benefit most include those whose biology or social status renders them particularly vulnerable to infection by pandemic influenza and who have a special interest in public health interventions, especially vaccination and social distancing. Figured as “risk groups”, they include those with underlying medical conditions, pregnant women, children and itinerants. Such individuals and groups might exploit human rights to generate “politics of life itself”. This potential is recognised in terms such as “moral pioneers”, “genetic citizens” or “biocitizens”. These highlight how people come to know and understand themselves and relate to others through knowledge of their biological and medical status – but nevertheless sometimes demonstrate “biosociality” as they work together to reshape governance in order to address their concerns.

In the EU context, the empowering potential of human rights and bioethics has been traced more extensively by Flear and Vakulenko. Yet, that potential is stressed as replete with paradoxes and pitfalls that might reproduce and reinforce the deficit model of citizens – which might in turn stymie supra-stewardship. For instance, even as human rights promises and delivers results when deployed to combat social difference and its attendant

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55 Cited as a work in progress and discussed in: J Coggon, “What help is a steward? Stewardship, political theory and public health law and ethics”, in this special issue.
64 Flear and Vakulenko, “A human rights perspective”, n. 16 above.
injustices, it can also produce and reinforce social position as identity. In moves that reinforce the deficit model, conferred top-down in the EU, human rights also depoliticises and naturalises the social origins of problems, and emphasises and abets moves towards self-management and individualisation that deny the potential of collective action to reshape governance. More broadly, Somsen queries the wisdom of developing a precautionary approach within human rights, arguing it effectively provides “governments with a blank cheque for limiting individual liberties.” Similarly, stewardship might also limit individual autonomy through paternalistic interventions in citizens’ lives.

Still, given the predominance of risk (and safety and security), human rights’ efforts to engage and demonstrate its efficacy – here by instrumentalising public bioethics for citizen participation – is surely valuable. Further, safeguards against excessive action and paternalism in stewardship that might be deployed in supra-stewardship to resist disempowerment are envisaged by the WHO (especially in terms of patients’ rights) and Nuffield. In the latter report, public health programmes are constrained by an intervention ladder that attempts to minimise “significant limitations on individual freedom”. For example, while compulsory vaccination can override individual consent, its use should be minimised and come with procedural justice arrangements (such as democratic decision-making procedures) which provide adequate mandate and justification of public health governance. This sort of requirement provides resources for participation that could underpin supra-stewardship. Yet, since the focus is on aligning governance with public opinion through scrutiny and expression of views, and there are no guarantees for a substantive input into decision-making, participation is limited and there seems to be a denial of citizens’ potential to contribute knowledge.

To focus on (public) bioethics in the EU, it is prominent through the introduction of ethics committees in the MSs by the Clinical Trials Directive and the European Group on Ethics. The latter provides the Commission with a comprehensive range of opinions on “all areas of the application of science and technology”, which have been used to support controversial research funding and produce “whereas” clauses bolstering the recitals of...
legislation.\textsuperscript{74} In addition, the ethical content of the latter is removed from citizen contestation to be determined by committees and MS governments.\textsuperscript{75} Bioethics is designed “to ensure that the general public is kept properly informed”\textsuperscript{76} and to “keep the rapidly advancing progress in science in harmony with the ethical values of all Europeans”\textsuperscript{77} Yet, since those values are merely represented in expert discourse, the deficit model of citizens re-emerges along with expert domination of governance. In short, bioethics has tended to be used less to facilitate citizen participation and more as a way of legitimating EU governance of life. Even so, as Flear and Vakulenko point out, bioethics has an empowering potential by opening up knowledge domains and facilitating discussion – and this could be enhanced by the link with human rights and references to mandate and participation.\textsuperscript{78}

Overall, while stewardship models are, as Coggon asserts, neat but problematic labels,\textsuperscript{79} despite their problems and paradoxes, I stick to the basic proposition that supra-stewardship is of much use as a tool to facilitate a discursive space for citizen participation in preparedness. Indeed, supra-stewardship might be most useful when deployed with critical self-consciousness to develop its content and meaning in light of ongoing concerns and immediate exigencies – and resist reproduction of the deficit model.

\textbf{EU preparedness: responsibility, governance distortions and failures}

\textbf{The frame and rationality of preparedness}

This will become apparent as I suggest how supra-stewardship could produce supplementary knowledge for existing technologies of hubris and contribute towards institutional learning and decision-making. As a first step, it is necessary to unpack the frame and rationality of preparedness in order to then suggest the contours of engagement on its delimitation of EU responsibility and some of its broad governance distortions and failures, which are brought out by attention to framing, distribution and vulnerability. In the second sub-section, I take a closer look at the boundaries of responsibility and distortions and failures relating to two key essential infrastructures favoured by preparedness: surveillance and interventions.

The frame is assembled from EU law and policy. As an indicative overview, in EU law public health is recognised and protected through express derogations to the free movement of goods, persons and services, which are supplemented by justifications created through the jurisprudence of the Court of Justice of the European Union.\textsuperscript{80} As such public health is central to the EU’s internal market, defined as “an area without internal frontiers in which the free movement of goods, persons, services and capital is ensured”.\textsuperscript{81} Public health

\textsuperscript{74} For instance, Directive 2004/23/EC on Human Tissue and Cells and Regulation 1394/2007 on Advanced Therapies.


\textsuperscript{78} Flear and Vakulenko, “A human rights perspective”, n. 16 above.

\textsuperscript{79} Coggon, “What help is a steward?”, n. 55 above.


\textsuperscript{81} Article 26(2) TFEU (emphasis added). The establishment of the internal market is required by Article 3(3) amended TEU.
is increasingly aligned to security concerns in the traditional understanding of them as being about containment, defence and protection, and also in a more Foucauldian vein as being about optimising the circulation of people and things and regulating the attendant dangers. This is apparent in, for instance, references that the MSs are “resolved to facilitate the free movement of persons, while ensuring the safety and security of their peoples, by establishing an area of freedom, security and justice”.

This concern with security is inflected in Article 168 of the Treaty on the Functioning of the EU (TFEU), the treaty base for preparedness, which states a “high level of human health protection shall be ensured in the definition and implementation of all Union policies and activities”. EU action cannot harmonise and is only complementary to that of its MSs, which maintain responsibilities over “the definition of their health policy and for the organisation and delivery of health services and medical care”. However, the MSs are required to work in liaison with the Commission to coordinate among themselves their policies and programmes in the areas referred to in Article 168(1).

Article 168(2) provides for the adoption of measures including guidelines and indicators, exchange of best practice, and mechanisms for periodic monitoring and evaluation. Under Article 168(1) and (2) such action must be “directed towards improving public health . . . obviating sources of danger to physical and mental health”, and covers “health information and education, and monitoring, early warning of and combating serious cross-border threats to health”. The addition of the final italicised portion to the text of the former Article 152 EC seems intended to reflect and provide a concrete basis for EU action. Further, Article 168(3) provides both the EU and its MSs “shall foster cooperation with third countries and the competent international organisations in the sphere of public health”.

With EU law as its foundation, and grounded on a more general scientific approach to decision-making established in the EU White Paper European Governance as a response to the regulatory failures noted above, it is in policy that preparedness is elaborated. The focus on some of the most important steps in the tightening of the link between public health and security, 9/11 and subsequent terrorist attacks prompted the EU’s “all hazards”

83 Formerly Article 152 EC.
84 Article 168(1) TFEU (emphasis added).
85 Harmonisation is precluded by Article 168(5) TFEU. In accordance with principles of subsidiarity and proportionality in Article 5 amended TEU.
86 Article 168(7) TFEU (emphasis added).
87 A concrete expression of the principle of sincere cooperation in Article 4(3) amended TEU.
88 Emphasis added. Previously Article 152(1)(1)–(2) EC emphasised “obviating sources of danger to human health” and it did not include a reference to cross-border threats to health.
89 Emphasis added.
approach to biosecurity. With public health security established as a priority by the EU’s Health Council on 15 November 2001, there followed a Programme of Cooperation on Preparedness and Response to Biological and Chemical Attacks (Health Security), dealing with deliberate human release of chemical, biological, radiological and nuclear (CBRN) agents within the EU and aimed at “bridging security and health”. One of the objectives of this plan was the establishment of the Health Security Committee (HSC), which meets twice yearly and is composed of high-level representatives from health ministries of the MSs, the Commission, the ECDC and the European Medicines Agency (EMA).

On 27 November 2001, the Commission began its first notable foray into pandemic preparedness planning with a conference to link pandemic influenza with security (titled “Preparedness Planning in the Community: Influenza and Other Health Threats”) and providing the impetus for next steps. With the concern around severe acute respiratory syndrome (SARS) and avian influenza in 2003, the link between public health and security came to encompass previously unknown diseases whose rapid transmission was facilitated by free movement. The importance of such measures was highlighted by the support and guidance of the WHO. In the wake of this, the remit of the Early Warning and Response System (EWRS) established in 1999 was extended to cover a wide range of communicable diseases, including H1N1. The EWRS is “a confidential computer system allowing Member States to send alerts about events with a potential impact on the EU, share information, and coordinate their response” (consistent with the


99 Decision 2119/98/EC Establishing Network for the Epidemiological Surveillance and Control of Communicable Diseases and Decision 2000/57/EC/11 on the EWRS.


International Health Regulations). Surveillance data from the EWRS is collated into a report by the ECDC. This move strengthened the knowledge available to MSs and enhanced their ability to limit contagion.

On 26 March 2004, the Commission began to step up its engagement with pandemic influenza planning, and as an “important step” established a Public Health Preparedness and Response Planning Group (PHPRPG) in the HSC to advise it on the actions to be taken in the event of an imminent pandemic threat. On 28 November 2005, there followed the Communication on Pandemic Influenza Preparedness and Response Planning in the European Community, which updated planning in light of WHO recommendations and the establishment of the ECDC, also in 2005. This uses “the principles and components of . . . generic preparedness planning”, such as in the Communication on Strengthening Coordination on Generic Preparedness Planning for Public Health Emergencies at EU Level and the Interim Document: Technical Guidance on Generic Preparedness Planning for Public Health Emergencies (interim document).

As such, I draw on generic preparedness only where it helps to elaborate on pandemic preparedness. The Commission and the ECDC have also been actively engaged with the WHO, joint international workshops and global meetings to discuss planning with third countries, including the Global Health Security Initiative (GHSI), an informal, international partnership that works to strengthen health preparedness and response globally.

Importantly, in February 2007, the Health Council agreed on a transitional prolongation and extension of HSC’s mandate to encompass the threads traced above: public health preparedness and response to CBRN attacks; generic preparedness and response for public health emergencies; and pandemic influenza preparedness and response. The Commission and the ECDC have also been actively engaged with the WHO, joint international workshops and global meetings to discuss planning with third countries, including the Global Health Security Initiative (GHSI), an informal, international partnership that works to strengthen health preparedness and response globally.

102 The International Health Regulations (IHR) require WHO MSs to notify the WHO of any potential international public health emergency (World Health Assembly, International Health Regulations (2005), available at www.who.int/csr/ihr/IHRWHA58_3-en.pdf (last accessed 5 September 2011)), and are rendered applicable to the EU under Article 57(1) IHR, which states the IHR and EU Treaties “should be interpreted so as to be compatible”. The Commission “believes the EU and its [MSs] can and should work together to optimise IHR implementation in the context of the EU policies and health related actions and initiatives” (see press release: http://europa.eu/rapid/pressReleasesAction.do?reference=IP/06/1276 (last accessed 5 September 2011)).


106 Ibid. p. 7.

107 European Commission, “Generic Preparedness”, n. 98 above.

108 European Commission, “Interim Document: Technical Guidance on Generic Preparedness Planning for Public Health Emergencies”, 2005. This addresses in martial tones, “threats and emergencies which are affecting or are likely to affect public health in more than one Member State” (ibid. p. 65, emphasis added). The guidance includes checklists “as a guide that may be used to assist in the development, revision or assessment of comprehensiveness of preparedness plans” (ibid. p. 3) and facilitate the “inter-operability of national plans, mainly by the creation of co-ordination mechanisms and analysis and communication tools that enhance co-operation between key Member States and Commission players” (ibid. p. 2, emphasis added), and lay the basis for “reviews, validations and tests and making recommendations for improvements and fine-tuning of national plans and EU procedures to reduce vulnerabilities and incompatibilities” (ibid. emphasis added).


health emergencies; and, most significantly, influenza preparedness and response.112 The link between public health and security was augmented further by the identification of “protecting people from health threats” as one of three key objectives of 2007’s Together for Health: A Strategic Approach for the EU 2008–2013.113 This encompasses communicable, non-communicable and rare diseases, vaccination, and preparedness and response to health threats.

Preparedness operationalises, and is framed by, this dense link between public health and security in order to deal with a pandemic, which is constructed as a medical emergency. It is a useful supplement to public health’s traditional focus on prevention, which relies on archival–statistical knowledge, but which by definition becomes of limited use in contexts of high uncertainty. Unsurprisingly, then, preparedness is the pervasive governance response for dealing with highly ambiguous and uncertain (low-probability, high-harm) risks,114 engendering a “policy revolution”,115 propelling us into “the age of preparedness”.116 As Collier and Lakoff put it, generally preparedness requires imaginative enactment and “demands that experts constantly assess the vulnerability of vital systems and the readiness to respond to, and recover from, events that threaten them”.117 This is echoed by the Commission, which uses previous experience to imagine pandemic scenarios118 and notes “the ability to respond to an international threat to health is profoundly influenced by the extent to which the issues have been considered in advance and plans are in place for co-ordinated action”.119

Yet, as Collier and Lakoff go on to say, generally the goal of preparedness “is not necessarily to prevent events from happening but to mitigate their consequences – in other words, to keep a disaster from turning into a catastrophe”.120 This is reflected in statements by the Commission. For example, preparedness is “directed towards identifying and addressing the current impact and subsequent threat potential of the influenza outbreak in order to limit its consequences”121 – especially to the internal market.122 Still, in producing a “synergy” to the mutual benefit of public health and security such as in relation to surveillance and interventions, preparedness might have some use in bolstering efforts and resources to deal with pandemics as a medical emergency.123 Indeed, as Rothstein et al. point out, a focus on so-called “institutional risk” (the “government of governments”) can

115 Fidler and Gostin, Biosecurity, n. 93 above, p. 145.
119 Ibid. p. 3 (emphasis added).
120 Ibid.
121 European Commission, “Pandemic Influenza Preparedness”, n. 105 above, p. 8 (emphasis added).
123 See further, Fidler and Gostin, Biosecurity, n. 93 above, ch. 5.
figure the approach taken to “societal risks” (like H1N1). Advantages of this include the sensitisation of the EU to pandemic influenza, more and coordinated research, professionalisation of the problem and a stronger basis for decision-making.

However, such potential benefits are what de Larrinaga and Doucet call “part of the wager” of securitisation of public health by and through the construction of a pandemic as a medical emergency. Securitisation is a speech act and force that redounds below, especially in relation to distribution and vulnerability concerns around interventions. Security provides the “conditions of possibility for liberalism’s central tenet of freedom”, what Foucault describes as “the possibility of movement, change of place, and processes of circulation of both people and things”. As such, optimisation of freedom creates demands for increased security and an all too easy resort to the exceptional measures it favours — that is, more preparedness through a focus on protection of essential infrastructures, especially surveillance and interventions. Balzacq summarises the point: the “social design of a security problem conditions and legitimates the kind of means used to stop it” and as such it is a “normative political act”.

Moreover, as de Larrinaga and Doucet explain, the governmentalisation of security means it is increasingly understood in neoliberal terms as being about the optimisation of the health and wealth of (non-state) populations and “assessment of threats . . . pays particular attention to the global and transboundary circulation of threats to [them]”. In a reflexive way this is to be achieved through the protection of vulnerable governance rather than vulnerable populations. As already apparent, and detailed further below, this is accomplished by assembling, linking together and leveraging support from various discourses, knowledges, scientific and bureaucratic techniques and practices from a range of national, supranational and global actors and sources. References to inter alia the Commission, HSC, ECDC, MSs, WHO and GHSI, and their gathering and deployment of pandemic and risk knowledge, highlight the securitisation of public health and governmentalisation of security as being underpinned by an expert rationality.

To clarify, the broadest governance distortion is the emphasis on and distribution of resources towards protecting essential infrastructures — planning and coordination, monitoring and assessment, prevention and containment, health system response and communication — which attempt to mitigate catastrophe in the face of a pandemic medical emergency and ensure the EU is only indirectly formally responsible for population. To quote Black, this also sets in train “decisions as to which types of failures an organisation is willing to tolerate” — failures in the direct protection of population — “and

126 Ibid. p. 7.
128 Generally, see De Larrinaga and Doucet, Security and Global Governmentality, n. 125 above.
130 De Larrinaga and Doucet, Security and Global Governmentality, n. 125 above, p. 17 (emphasis added).
which it is not\textsuperscript{132} – failures in the protection of essential infrastructures in order to optimise the economy.

As Black continues, these choices “are linked to attempts to define the parameters of blame. Through risk-based frameworks, regulators are attempting to define what, to their minds, are the acceptable limits of their responsibility and hence accountability”.\textsuperscript{133} It does not appear that improvisation\textsuperscript{134} is to be avoided or eliminated even as interoperability of MS plans is the focus, and given that, as traced below, it is built into planning. However, improvisation does seem to be constrained – and responsibilities limited to protection of essential infrastructures in order to optimise the economy, governance distorted and certain failures envisaged – by the construction of preparedness. Requiring far more discussion, below I focus only on pharmaceutical interventions as the key medical emergency triage choice. Clearly, attention to framing reveals the pandemic “threat”, the governance planning response, and its attendant distortions and failures as fabrications with profound normative implications. Yet, as Balzacq states, “those who define a threat can be held accountable, as threats” – and planning, its attempted limitation of responsibility and production of governance distortions and failures – “are also the product of their entrepreneurship”.\textsuperscript{135}

Reference to the alert phases helps to bring out the centrality and importance of the focus on the protection of essential infrastructures. To overview the phases, they are based on EU generic planning alert phases, which are in turn based explicitly on WHO Phases 1–6. The inter-pandemic period is at Phases 1 and 2. At this stage no new influenza virus subtypes have been detected in humans, but they might be present in animals. The main public health goal at this stage is to “strengthen influenza pandemic preparedness at the global, regional, national and sub-national levels”\textsuperscript{136} and minimisation of the risk of transmission to humans. This requires rapid detection and reporting of any such transmission. The Commission and the ECDC work in consultation with the HSC, and in cooperation with the WHO, to assess, review and organise “exercises concerning national pandemic plans, with a special focus on their interoperability”.\textsuperscript{137}

Phases 3 to 5 are the pandemic alert period. At Phases 3 and 4, there are no human cases in the EU, but a risk of sporadic importation of isolated cases in MSs. Rapid characterisation of the new virus subtype and early detection, notification and response to new cases are the main public health objectives. At Phase 4, containing the new virus within a limited area or delaying its spread in order to implement preparedness counter-measures, such as the development of vaccine, is the main public health objective. At Phase 5, there are larger clusters of cases outside the EU, but human-to-human contagion is still limited in area. The main public health objective is to “maximize efforts to contain or delay spread, to possibly avert a pandemic, and to gain time to implement pandemic response measures”.\textsuperscript{138}

\begin{thebibliography}{99}
\bibitem{133} Ibid. p. 514 (emphasis added).
\bibitem{134} Cf. G Gorgoni, “‘(Pre)caution Improvisation Area’: Improvisation and responsibility in the practice of the precautionary principle” (2010) 6(1) \textit{Critical Studies in Improvisation} at: www.criticalimprov.com/article/view/1086/1727 (last accessed 5 September 2011). Thanks to Thérèse Murphy and Sara Ramshaw for these insights.
\bibitem{135} Balzacq, “Preface”, n. 129 above, p. xiii (emphasis added).
\bibitem{136} European Commission, “Pandemic Influenza Preparedness”, n. 105 above, p. 16.
\bibitem{137} Ibid.
\bibitem{138} Ibid. p. 21.
\end{thebibliography}
Phase 6 is the pandemic period in which there is now an increased and sustained transmission of cases around the world and in the EU’s general population. The main public health objective is minimising the pandemic’s impact in the EU. In order to do so, the EU adopts its own Alert Levels 1–4. These take into account specifics such as the absence of internal borders, and differences between MSs (southern and eastern MSs have higher susceptibility). At EU Alert Level 1 there are no human cases in the EU, but there is a very high risk of sporadic imported cases. At EU Alert Level 2 there is a single human case inside the EU. EU Alert Level 3 occurs when there is an isolated cluster in one EU MS or sustained transmission between humans with several clusters inside the EU. EU Alert Level 4 is when there are cases in one or more MSs.

This phasing serves to modulate and shape preparedness by further specifying and limiting responsibilities and (improvisation of) actions in response to events towards, and establishing the boundaries of accountability and blame for failures in, the protection of essential infrastructures. For example, planning and coordination is aimed at “improving coordination and communication” to ensure the EU is of “added value”. The PHPRPG is required to review MS preparedness plans and ensure the identification and dissemination of “expertise and good practice” and the EWRS must be used for notification of cases and exchange of information on measures taken.

The ECDC sets the terms of reference for Outbreak Assistance Teams (OATs). These participate in “outbreak investigation inside and outside the Community ensuring coherence and synergies with the EU’s external response in co-operation with the WHO”. Generally, the Commission is responsible for reviewing its own internal contingency and coordinating guidance to national authorities so that they can review and update their plans in light of evidence. More specifically, at Phase 5, Commission staff surge capacity must be ensured, and at Phase 6 a centre to coordinate EU and international level actions and evaluate effectiveness must be established. Surveillance is dealt with in monitoring and assessment, and it provides the information upon which hinges the alert threat-level and the use of countermeasures such as vaccines. Indeed, “early detection and characterisation of pandemic strains” is the “most important” task. I elaborate on this, and interventions dealt with in prevention and containment, in the second sub-section.

To reflect further, the limitation of responsibility to the focus on, and distribution of resources towards, protecting essential infrastructures, such as surveillance, surge capacity and, as emphasised below, interventions like pharmaceuticals as the preferred triage choice, masks and is detrimental to wider public health objectives and increases the vulnerability of those who lose out as a consequence. Francis et al. point out how, while the “apparent assumption that devoting resources to pandemic planning is just” might be explained by the openness of the “triage choices in pandemic planning”, nevertheless

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140 Ibid.
141 Ibid.
142 Ibid.
143 Ibid. p. 17.
144 Ibid. p. 8.
145 Ibid.
“there are serious questions of justice to be asked about the allocation of extensive resources to pandemic threats.” 146

Indeed, Fidler and Gostin note that preparedness might skew resources towards rare events like pandemic influenza “at the expense of tackling health problems that cause the great death and illness in populations daily”. 147 Similarly, others stress that preparedness might skew resources towards communicable diseases at the expense of non-communicable diseases and persistent public health problems. 148 This is perhaps of greater concern in terms of external relations. There are efforts at international collaboration, especially with poorer countries, such as in relation to pharmaceuticals, elaborated below, and the ECDC’s organisation and deployment of OATs abroad. Yet the EU’s focus on protection becomes nuanced to being about its essential infrastructures. This could be mirrored in external effects by skewing resource allocation in countries with already poorly equipped health-care systems towards protection of their essential infrastructures, but in order to protect the EU. This is ultimately to the detriment of their already strained public health capacities and vulnerable populations.

Moreover, it is noteworthy that prior to Phase 6 the EU is deemed free of pandemic infection. This amounts to an externalisation of public health problems caused by failures of law, policy and medical practice in the EU, such as so-called MRSA and C difficile, 149 which are naturalised as part of the order of things, and consequently there is no one to blame. Despite efforts at international cooperation there remains a bias towards EU needs and the idea that, rather than being endemic to the operation of the EU’s privileging of free movement, the “threat” comes from “out there”. In short, there is much need for highlighting concerns around framing, distribution and vulnerability in order to avoid “myopia”. 150 As Murphy and Whitty explain, without attention to broader social conditions and public health concerns, such as sufficient staff and resources overall and reducing inequalities, “global surveillance, surge capacity and, more generally, preventing and coping with a pandemic will be all the more difficult”. 151

Four main imbricating forces are worthy of attention given they might work to undergird and reinforce the delineation of responsibility and production of governance distortions and failures. A first force is a more specific valence of securitisation. To quote de Larrinaga and Doucet, security is increasingly prevalent and powerful, as indicated by the way in which “greater security” has come to trump so easily other available political discourses. 152 Linked closely to this is a second force: the dissemination of the wider zero-sum relationship between human rights and risk (and safety and security). Lazarus and Goold observe the power of “the idea that certain human rights can be ‘turned off’ when necessary” has become a “thoroughly reasonable reaction to the dangers allegedly faced by

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147 Fidler and Gostin, Biosecurity, n. 93 above, p. 8.
150 Cf. Francis et al., “Pandemic planning and distributive justice in health care”, n. 146 above, p. 446.
democratic societies”\footnote{153 \textit{L Lazarus and B J Goold, “Security and human rights: the search for a language of reconciliation” in B J Goold and L Lazarus (eds), \textit{Security and Human Rights} (Oxford: Hart 2007), p. 4. Also see: G J Annas, \textit{American Bioethics: Crossing human rights and health law boundaries} (Oxford: OUP 2005); L O Gostin, “When terrorism threatens health: how far are limitations on personal and economic liberties justified?” (2003) 55 \textit{Florida Law Review} 1105; I Loader and N Walker, \textit{Civilising Security} (Cambridge: CUP 2007); B Von Tigerstrom, \textit{Human Security and International Law: Prospects and problems} (Oxford: Hart 2007).} Abetting this is a broader tendency stressed by Hunter in which “all aspects of health emergency policy have shifted towards the framework of enhanced executive authority”\footnote{154 N Hunter, “‘Public–private’ health law: multiple directions in public health” (2007) 10 \textit{Journal of Health Care Law and Policy} 101, p. 106 (emphasis added).}. Going so far as to describe this zero-sum game as part of the “new ‘rights revolution’”\footnote{155 Murphy and Whitty note “there are no guarantees that the securitisation of public health, the right to security or human security will be good for human rights”\footnote{156 \textit{What Rothstein et al. term “institutional risk” also has another valence and it is the third force. That is, a focus on institutional risk might transform and reduce preparedness \cite{155} techniques into instrumental tick-box exercises and be detrimental to the efficient management of the societal risk of pandemics. Wider moves towards reflexive governance – a focus on inter alia institutions and their means of action – might exacerbate and underpin this focus on institutional risk. Since the object of these various moves is economic optimisation, they might also ensure governance openly serves the economy. Below I suggest this is apparent in the preference for protection of pharmaceutical interventions.}. To tease out the point about legitimation, this final main force is especially important in light of inter alia the failures noted above leading to the EU’s renewed interest in risk governance in \textit{European Governance}, successive democratic rejections of Treaty amendments, and a wider “democratic deficit”\footnote{157 In general, see C Scott, “Accountability in the regulatory state” (2000) 27 \textit{Journal of Law and Society} 38; F Scharpf, \textit{Governing in Europe. Effective and democratic?} (Oxford: OUP 1999); A Arnall and D Wincott, \textit{Accountability and Legitimacy in the European Union} (Oxford: OUP 2002).}. Preparedness helps to constitute and project the EU’s identity as authoritative and useful to its citizens, MSs, international actors and private actors like corporations, especially given worldwide moves towards “greater security”. Preparedness and its attendant distortions and failures might be augmented and facilitated by the resources and openings for action and the production of “output” legitimacy\footnote{158 \textit{Scharpf, Governing in Europe, ibid.}.} it provides.

In other words, constructing pandemic influenza as a “threat” in a medical emergency model, and then a “risk” that must be governed in the present, enlarges power and the possibility of action – and, as noted, it conditions and legitimates the means used. As a twist, Power observes that democratic ideals “are increasingly positioned within ideals for good governance of the \textit{risk analysis process}”\footnote{159 \textit{Cf. Lentzos, n. 92 above, p. 461. F Ewald, “Insurance and risk” in G Burchell, C Gordon and P Miller (eds), \textit{The Foucault Effect. Studies in governmentality} (Chicago: University of Chicago Press 1991).}. This highlights preparedness as being partly about rendering the EU auditable and inspectable – and relating to and managing
“public expectations”. More specifically, risk – and preparedness – is partly an exercise in governing “ unruly perceptions” and maintaining the “production of legitimacy” in the face of these perceptions.

Relating to and managing public expectations occurs principally through communication, itself an essential infrastructure. This draws on the general approach established in European Governance in which openness, transparency, and accountability are to be ensured, and governance legitimated, by inter alia the provision of up-to-date and easily available (principally online) information on EU law and policymaking and, in preparedness, pandemic news media “status” updates. Each alert phase has its own communication plan, reflecting the seriousness of the threat, and based on information gathered through surveillance. For example, throughout the alert phases it is for MS authorities to communicate arrangements for vaccination and distribution of antiviral agents to health professionals and the public.

Further, at Phase 3 the Commission, the ECDC and MSs must work together in order to coordinate the sharing of “accurate messages” about, inter alia, the global epidemiological situation (including spread and effectiveness of counter-measures). At Phase 4 (and similarly at Phases 5 and 6) the Commission and ECDC must work to promote “sharing of templates for general health education materials” and the MSs must share their intended “public and educational material”. The ECDC is charged with providing “the scientific appraisal of recommended measures” and, as stressed at Phase 6, it has a central role in making briefings from the EU to other actors, including the public.

Fast exchange of information and:

prompt notification during the first stages of a pandemic influenza are essential in enabling [MSs], the Commission, the ECDC, WHO and other bodies to respond with common positions in public communications, and alert properly their structures, so that measures can be implemented in a timely manner.

As such, MS public authorities should “communicate effectively with the public and the media before and in anticipation of events that may lead to public health emergencies”. Messages are to be coordinated, and this should occur early on in any major incident, so as to ensure they establish “themselves as the leading, if not the only, source of authoritative information”, and so as to avoid an “information void” and subsequent speculation, rumour and confusion. This is facilitated through a “range of ready to use media briefing

162 Power, Organized Uncertainty, n. 161 above, pp. 20–1.
163 Ibid. p. 21 (emphasis added). Of course, besides citizens other addressees of the demonstration of action afforded by the rhetoric of preparedness include the MSs and international actors such as the WHO and GHSI (all leveraging support from EU action).
166 Ibid. p. 21.
167 Ibid.
171 Ibid. p. 13.
materials about influenza”, 172 including, basic information about the disease and the response systems in place, and clear and timely flows of information facilitated by 24/7 “operational contact points in the Member States and in the Commission”, 173 and encompassing “text, voice, and video”. 174

In relating to and managing public expectations, communication is concerned with establishing and limiting the boundaries of EU responsibility and blame in the public imagination to failures in the protection of finite and easily identifiable essential infrastructures and legitimating governance and the means used to deal with a pandemic medical emergency. The rhetoric of risk is, to quote Black, a “useful legitimating device”. 175 The EU is able to produce legitimacy through its centrality to communication, and in a neoliberal vein it does so through ensuring the output of an optimised and secure internal market: the “distribution of accurate and timely information . . . is critical in order to minimise unwanted and unforeseen social disruption and economic consequences and to maximise the effective outcome of the response”. 176 Such a focus might reinforce the zero-sum relationship between human rights and risk (and safety and security) and the legitimacy of using means favoured by security.

A focus on output legitimacy is also abetted by the limited construction of citizens within the deficit model as key addresses of communication. That is, consistent with Article 168(1)(2), preparedness relates to, animates and manages citizens through health information and education materials. It is noted that it:

will help reinforce public confidence in the response strategy if Member States and the Commission can demonstrate that the national strategies across the EU are consistent and based on a common assessment of the relevant science. 177

This statement also reveals the limited nature of democratic ideals within risk governance. Communication is used to produce limited “input” in order to support and authorise preparedness. As such, this public rationality complements and buttresses the expert rationality, its depoliticisation and naturalisation of preparedness, the limited boundaries of responsibility, and the production of governance distortions and failures. Citizens do, however, have some input through surveillance and information-gathering. Yet, even then citizens are only one source among many, 178 and participation does not appear to extend to shaping and directing the form and broader focus of governance, or to identifying its distortions and failures.

This betrays an inflection with PUS which is also found in documents constituting the EU’s overarching approach to risk governance, especially European Governance and Science and Society. 179 PUS is an instrument used to support the overarching agenda of producing

173 Ibid. p. 7.
174 Ibid. p. 6.
178 Ibid.
economic optimisation. Perhaps the most notable PUS technique used in preparedness is
the Eurobarometer on attitudes to pandemic planning. Another is questionnaires, for
instance, through the Stakeholder Consultation on Strengthening European Union Preparedness on
Pandemic Influenza. These are used to produce statistics and reports on strengthening
governance. They conjure citizens, their understanding of pandemic science, and therefore the
appropriate relationship between citizens and governance (which reinforces the importance of
“tooling-up” through supra-stewardship). So-called “absent presences” citizens are
represented and imagined by EU actors in order to provide a democratic basis for their
decisions. Importantly, PUS is controlled by experts who attempt to shape and define citizen
and “public” identities and attitudes within the deficit model as being in need of education.
Such a prior framing of public understanding denies the normative dimension of
preparedness and attempts to “mark off” governance from popular control and contestation.

Overall, the complementary expert and public rationalities in preparedness highlight
how, to quote Walklate and Mythen’s observation, “expert institutions deploy discourses of
risk to filter information, buttress dominant norms and to muffle political opposition”.
This tendency might be reinforced by the way in which preparedness literally governs and
attempts to quiet citizens through their feelings of insecurity.

A CLOSER LOOK AT SURVEILLANCE AND INTERVENTIONS

Citizens could also hone supra-stewardship to take a closer look at surveillance and
interventions. Here, I focus on some further contours for engagement that highlight how
the framing of preparedness as being about dealing with a medical emergency impacts on
distribution and vulnerability. Beginning with and elaborating on surveillance, throughout
the alert phases, the ECDC works with the Commission, other EU agencies and MS
authorities to coordinate epidemiological surveillance, especially through the EWRS.
Surveillance information is used to identify the circumstances of infection and to produce
“risk groups”. These might be subject to containment and control measures, discussed
below as interventions. At Phase 4, the risk groups and counter-measures are put under
enhanced surveillance, and this attention heightens at Phase 5 when there might be
importation of cases, and again at Phase 6 with the circulation of the pandemic in the EU.

182 See http://ec.europa.eu/health/preparedness_response/consultations/preparedness_cons_01_en.htm (last
accessed 5 September 2011). Answers are sought to two key questions: how useful was the 2005 plan both
during the pandemic preparedness phase and during the response to pandemic (H1N1) 2009 and how should
it be improved? What should be done at EU level to improve EU pandemic preparedness? However, the focus
is on: preparedness and co-ordination, surveillance, containment and mitigation (including vaccines and
antivirals), health system response, international communication and communication with citizens. The final
section is about multi-sectoral preparedness, which has been highlighted as an area for development. Overall,
from the final section, the questionnaire is prefigured by what went before – and the questions asked do
not seek to elicit a substantive input into preparedness besides this standalone consultation. The impression
is that the deficit model is being reproduced. See further http://ec.europa.eu/yourvoice/ipm/forms/
dispatch?form=pandemicinfluenzan (last accessed 5 September 2011).
183 Taking European Knowledge Society Seriously, n. 77 above, p. 58.
184 M Leach and I Scoones, “Science and citizenship in a global context” in M Leach, I Scoones and B Wynne
61(1) British Journal of Sociology 45, p. 50.
As Jasanoff explains, generally the production of risk groups is an “effort to produce policy-relevant assessments”\textsuperscript{188} of those thought to be differently and most affected by the threat in question and to attune governance to them and their needs. This might work to protect the vulnerable and interrupt a pandemic.\textsuperscript{189} One concern addressed shortly is how preparedness reshapes the value and use of risk groups. Another concern, discussed further below, is whether risk groups made subject to governance interventions have their human rights protected or in fact become, as an example, “at risk” of stigmatisation and excessive use of counter-measures.\textsuperscript{190} Here, I focus on the production of risk groups from supposedly neutral scientific knowledge. This works with moves towards self-management and individualisation of responsibility to depoliticise and naturalise governance, and it reinforces the expert rationality underpinning preparedness and undermines democratic contestation.\textsuperscript{191}

The latter is assisted by the re-emergence of the complementary public rationality through the use of physical and biological indicators to construct those at risk. Requiring further attention in relation to preparedness, Jasanoff notes how generally such “classifications tend to overlook the social foundations of vulnerability, and to subordinate individual experiences of risk to aggregate numerical calculations”\textsuperscript{192} The at-risk human is treated as a “passive agent”\textsuperscript{193} whose sociality and sources of vulnerability are masked. This increases the need for citizens to “regain their status as active subjects, rather than remain undifferentiated objects in yet another expert discourse”.\textsuperscript{194}

Turning to interventions, these fall within the essential infrastructure of prevention and containment. Vaccines and social distancing are central and are modulated throughout the alert levels. It is noted that “hand-washing and social distancing will play important roles in reducing the impact of pandemic influenza”,\textsuperscript{195} vaccination is the key counter-measure, and since the production of vaccines usually takes between six and eight months,\textsuperscript{196} anti-virals are “the first pillar of medical prevention and intervention”.\textsuperscript{197} While competence ensures the EU has limited involvement in health system response, the Commission and ECDC coordinate and review non-pharmaceutical measures. For instance, at Phase 5 this involves guidance on how “to optimize use of scarce facilities (triage, modified clinical guidelines, modified hospital infection guidelines . . .etc.)”.\textsuperscript{198}

To focus on vaccines, preparedness uses a variety of means, including support for research,\textsuperscript{199} a public–private partnership between public authorities and the vaccine industry to stimulate production, and an expedited market-authorisation procedure, all to deliver vaccine to the EU in the “shortest possible time”.\textsuperscript{200} Preparedness attempts to ensure equitable distribution of scarce resources and reduce vulnerability. For example,
while again externalising the pandemic, the Commission helps to promote the "‘mutualisation’ of stocks to fight the disease at source" given "the lack of manufacturing capacity in many countries and the perceived imbalance between rich and powerful countries that collect strains through collaboration programmes with poor and affected ones but benefit from (their) manufacturers’ production only themselves". Also, threaded through the alert phases is the responsibility of the Commission, ECDC and MS authorities to target – and improvise as they review and retarget in light of the unfolding pandemic – limited stocks of anti-virals and vaccines to key health personnel and the most vulnerable defined in risk groups.

However, a key concern is the apparent focus of responsibility and skewing of attention and resources towards the protection of pharmaceuticals. This highlights the limitation of triage choices: pharmaceuticals are seemingly the means to deal with (and pre-selected by) the medical emergency model, but such that other, cheaper and perhaps more effective options are not so readily used. This is not necessarily to the advantage of risk groups since the normative direction of preparedness ensures pharmaceuticals are the focus of protection efforts – rather than those at risk. As such, preparedness reshapes the value and use of such classifications, essentially because they are aimed at mitigating adverse consequences to the economy and ensuring its optimisation, in part through resort to pharmaceuticals. In other words, it appears improvisation in triage choices is constrained, and the vulnerability of population increased, by the frame of medical emergency.

Added to this, even as wider preventive measures such as hygiene are governed by preparedness, the focus is still on protecting them, in order to optimise the economy, rather than protecting population. More widely, since the focus is on triage in medical emergency, broader public health interventions in population as part of a more concerted and long-term response are further undermined. Overall, the focus on pharmaceuticals implies the boundaries of responsibility and blame are effectively limited to failures in their protection as the preferred triage choice within the medical emergency model.

The prominence of pharmaceuticals has been explained by the close relations between the WHO and industry and the suggestion that the pandemic threat is talked up in order to generate orders. Some note that changes to the WHO’s alert phases were prompted by, and privilege, industrial ties. This is pertinent to the EU given how its alert phases are aligned to the WHO’s. Further, the clear bias of the EU’s pharmaceutical regime is towards getting (high-cost) products to market, regardless of their comparative efficacy, in order to support and optimise an innovative economy. This highlights the use and dissemination of market rationality in public health and open servicing of market needs as facilitated by preparedness and the wider exacerbating forces noted above.

201 European Commission, “Pandemic Influenza Preparedness”, n. 105 above.
202 Ibid.
203 Staying at home and taking regular pain killers has been highlighted as the best option for most people infected with H1N1: Jenkins, “Swine flu?”, n. 149 above. For discussion of triage choices in relation to humanitarian responses to emergency, see T Murphy, “Public health sans frontières: human rights NGOs and ‘stewardship on a global scale’”, this special issue.
205 Such as when to declare a pandemic: ibid.
Moving to social distancing, the ECDC must provide “scientific advice on non-pharmaceutical public health interventions” and it works with the Commission and affected MSs, who must report on the effectiveness of their efforts through the EWRS in order to inform national and international planning. Social distancing becomes particularly important at Phase 6, when its use to regulate the internal market is highlighted. Indeed, the Commission must work with the MSs to:

coordinate . . . the position on movement of persons and goods and cooperate with appropriate international organizations and associations and transportation companies to implement standard measures for travellers on board international conveyances, consistent with the alert level.

Returning to the point introduced above, these are of special concern for risk groups who are produced as especially vulnerable and made subject to specific actions aimed at interrupting a pandemic, since it might make them vulnerable to repression. Medicine, law and governance work with metaphors of disease carriers to produce them as different from “normal” members of society. This production can work to provide the rationale for interventions, and they are highly susceptible to abuse. In other words, those deemed at risk of infection are also at risk of human rights infringements beyond the failure to ensure that they rather than pharmaceuticals are the focus of protection efforts. Wider exacerbating tendencies include the criminalisation of disease transmission, the wider securitisation of public health, and working with these, the figuration of disease carriers as active agents, aggressors and even “evil criminals” who must take responsibility for their condition and endangerment of others. Particularly vulnerable groups include those coming from outside the EU, the zone where the threat is deemed to arise, and typically itinerant and already marginalised groups within the EU, such as the Roma or travelling communities.

Overall, as Murphy and Whitty stress, such interventions can “provoke or compound discrimination and stigmatisation of particular individuals and groups”. Yet, as they go on to explain, the efficacy of such social distancing might also be undermined given that individuals might avoid diagnosis and treatment where quarantine seems a realistic possibility. In addition, such techniques and practices directly infringe personal liberty and privacy rights, and could lead to healthy individuals being put at serious risk of infection should they be mistakenly quarantined. Yet, since only certain risk groups are targeted for specific interventions, there is an absence of burdens on all. This combined with the individualisation and responsibilisation attendant to risk mean such actions could be further depoliticised and left largely uncontested.

208 Ibid. p. 25.
209 Sontag, Illness as Metaphor, n. 160 above, p. 171.
214 Ibid.
The wider linked forces traced above – greater security, the zero-sum relationship between human rights and risk (and safety and security), a focus on institutional risk and broader shifts towards reflexive governance, and the production of legitimacy – might reinforce the tendency towards (investment in\textsuperscript{216} and) protection of pharmaceuticals and (admittedly currently to a lesser extent) social distancing. This is because, as indicated, in one way or another they seem to condition and reinforce a preference for the use of such interventions within a medical emergency model.\textsuperscript{217}

To focus on legitimacy, the preference for pharmaceuticals might also be explained by their cultural resonance and use for legitimation purposes. That is, pharmaceuticals are now central to well-being and health, and are dominant in marketing strategies that favour self-management and which are underpinned by the individualisation of risk.\textsuperscript{218} This makes pharmaceuticals useful for governance as a way of relating to and managing public expectations, and especially for setting and limiting the boundaries of responsibility and blame in the event of failure. The cultural resonance of pharmaceuticals helps to legitimate both the preference for them as a response to medical emergency and, through protection of their production and deployment, the preparedness regime.

This use of pharmaceuticals also undermines the political salience and use of other triage choices and broader public health interventions in population as part of a more concerted and long-term response. Put differently, it appears that a preference for pharmaceuticals (and constrained improvisation in triage choices) is politically useful as a way of relating to and managing public expectations in the face of what is constructed as a medical emergency in order to mitigate adverse consequences. However, this undermines resilience in that it also reinforces the distraction of attention away from, and use of responses that could deal with, the social conditions producing pandemics. Another aspect of legitimation is apparent in the EU’s involvement in international pandemic planning to assist non-MSs as it seeks to govern its periphery and beyond. This helps to constitute the EU as an international actor, mark and secure its borders and identity, externalise the threat and limit the boundaries of its responsibility and accountability, and produce legitimacy by and through the demonstration of preparedness and response.\textsuperscript{219}

Adding to these concerns, preparedness contains only background references to the legal and ethical implications of interventions. In the \textit{Interim Document},\textsuperscript{220} the focus is more on ensuring minimal disruption to the internal market through assessment exercises and prior communication of counter-measures so as to ensure interoperability.\textsuperscript{221} For example,
“[e]thical issues are closely related to the legal issues . . . and are part of the normative framework needed to assess the cultural acceptability of measures like quarantine or selective immunisation of pre-defined risk groups”.

Of course, cultural acceptability is determined in part by the broader framing in governance and the forces sketched above. Even so, responsibility for the management of the ethical and legal implications of interventions — including blame in the event of failure — is located at MS level.

Such a minimal concern for risk management highlights the EU’s eschewal of responsibility for the distortions and failures in relation to interventions produced by, at least in part, its discourse on preparedness. This move also enhances depoliticisation and naturalisation of preparedness and helps to shield the EU from adverse public perceptions in the event of controversy and failure. Again, these perceptions are managed and contained by the boundaries of responsibility and accountability. These boundaries are communicated as being limited to the protection of essential infrastructures and especially the pharmaceutical response, but in order to mitigate consequences of a pandemic and optimise the economy.

Further, the public rationality of the deficit model re-emerges, this time in making the ethical and legal implications of interventions matters of expert discourse and deliberation at MS level. This also reflects a broader observation that the complementary expert and public rationalities are used to authorise and legitimate certain preparedness response strategies, such as through use of pharmaceuticals, and reinforce existing power relations towards the objective of economic optimisation.

Conclusion: towards learning, enhanced responsibility and resilience

The analysis of preparedness highlights the operation of complementary expert and public rationalities in its constitutive discourses of risk, security, PUS, and which are undergirded by neoliberalism. While producing knowledge in an attempt to govern pandemics, the rationalities and discourses also delineate the boundaries of responsibility, and produce and mask governance distortions and failures. The rationalities also undermine participation because citizens are cast within a deficit model as being incapable of sharing in power to shape governance. In particular, citizens are limited through communication strategies to engage in hygiene efforts aimed at reducing contagion and pursuing their daily social and economic lives. Overall, the rationalities deny the normative within preparedness and essentially try to “mark off” governance from popular control and contestation.

In section 2, I nominated and made an initial sketch of supra-stewardship as a tool to resist the deficit model and facilitate citizen participation around framing, distribution and vulnerability in order to highlight the normative in the technical, especially the boundaries of EU responsibility, and the production of governance distortions and failures. In section 3, I suggested some of the contours for engagement by supra-stewardship to show how citizens might use it to become active subjects as they open up knowledge domains, contribute towards decision-making and expand EU responsibility and accountability to include the definition of the pandemic threat as a medical emergency and its attendant governance distortions and failures.


223 Caduff, “Public prophylaxis”, n. 217 above.
Perhaps most important is using these insights to widen triage choices within the current frame of preparedness as being about dealing with a medical emergency and to guard against excessive and repressive measures. More difficult, given the limitations of that frame, is using the insights to inflect preparedness with a wider set of public health concerns in order to look beyond mitigating consequences and bolster interventions in the social conditions producing pandemics – and ensuring that pandemic governance is not to the detriment of wider public health objectives. Yet, in re-emphasising uncertainty, and although it requires further honing, supra-stewardship could highlight the need for a substantive input from those who are most affected by decision-making that cannot be based on the dominant hubristic technologies of risk and science alone.

Citizen participation and institutional learning could be fostered further by exploiting the rhetorical openings provided by the discourses constituting preparedness. For example, while used to construct the deficit model, PUS, especially as inflected through communication, could also be used to stimulate citizens’ awareness, attitudes and preferences. Claims for violations of human rights and ethical obligations, especially in relation to broader public health objectives or societal risk, and built around framing, distribution and vulnerability, could exploit reflexive governance and the sensitisation of governance to the institutional risk of human rights linked to bioethics. This includes the potential for a human rights consciousness understood as being about empowerment to use bioethics in order to disrupt the interests and standing of the EU.224

A particularly useful platform could be the European Citizens’ Initiative, “the first transnational instrument of participatory democracy in world history”.225 Further reinforcement could come from moves towards organisational accountability and exploitation of the EU’s legitimacy needs. Overall, the citizen input provided by supra-stewardship could contribute towards better outputs and understanding of the limits of governance to organise uncertainty, helping to make preparedness and wider public health governance more secure and resilient in the event of failure.

225 See www.citizens-initiative.eu/?page_id=2 (last accessed 5 September 2011). Established by Article 11(4) TEU and Article 24(1) TFEU. The practical arrangements and procedures are provided by Regulation 211/2011. Article 11(4) TEU provides “[n]ot less than one million citizens who are nationals of a significant number of Member States may take the initiative inviting the Commission, within the framework of its powers, to submit any appropriate proposal on matters where citizens consider that a legal act of the Union is required for the purpose of implementing the Treaties”. This could produce a legal act under Article 168 TFEU.