## Toward Modelling a Global Social Contract: Jean-Jacques Rousseau and John Locke

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#### Abstract

The paper attempts to construct a global model of a social contract using wellknown metaphors of two great philosophers: Jean-Jacques Rousseau and John Locke. By modelling a global social contract, I mean the formulation of a social contract using two sets of data: one is global citizens' preferences about values and norms while the other is sovereign states' participation in multilateral treaties. Both Rousseau and Locke formulate their versions of social contract theories in the national context of eighteenth-century Europe. This paper tries my hands on extending their theories to the global context. This paper attempts to link empirically the relationship between global citizens' preferences as gauged by the World Values Survey and sovereign states' participation in 120 multilateral treaties deposited to the United Nations. To see the link between citizens and treaties (quasi-legislative outcomes, sort of), dimensional similarities of the cosmos of citizens' preference and the cosmos of sovereign states' willingness to join multilateral treaties are examined. Once done, all the sovereign states are located in each of the two cosmoses, citizens and states, and the correlation coefficients between them are measured. Based on these empirical results, the nature of the global quasi-legislative process is clarified. Conclusions and implications are drawn.

#### 1. Introduction

Global politics has quasi-legislative processes like national legislative processes (Volgy, 1973; Popovski and Fraser, 2014). The differences are: (1) There is no institutionalized world government; hence, there are no claims of sovereign power in global politics. (2) There is no formal institutional legislative body like a national parliament that aggregates citizens' preferences into government policy. However,

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there are mechanisms whereby citizens' preferences are selectively chosen to generate multilateral treaties in which sovereign states join or do not join.

In a national parliamentary democratic setting, the legislative branch takes care of legislation while the executive branch takes care of policy implementation. The members of the legislative branch are elected by citizens or electors. How electors' preferences are reflected and materialized in legislated bills is called the branch of legislative politics. Otto Bismarck once remarked that legislation is like making sausages into the process of which every conceivable source is fed.

In the real world, there is no global legislative mechanism with legislative and executive branches. There is no legal mechanism whereby global citizens' preferences are fed into laws, which in turn function as a set of global public policies. Yet if one envisages that those public opinions expressed and revealed to the public and those multilateral treaties and conventions signed, ratified, and further implemented are equivalent to nationally surveyed citizens' preferences and nationally legislated bills respectively, there emerges global quasi-legislative politics.

On what may be called the global quasi-legislative process and its outcome, there have been plentiful of studies examining how global climate policy initiatives have been attempted at Tokyo, Copenhagen, and Paris (Kutney, 2013; Sovacool and Dworkin, 2014, Brainard *et al.* 2009); analyzing how a global trade liberalization scheme has been agreed but only with the scope less than global and comprehensive, i.e., bilateral, regional, and partial (Jones, 2015); examining how the nuclear non-proliferation treaty has experienced the diffusion of new nuclear powers (Joyner, 2013; Solingen, 2012); and tracing how a multilateral agreement on fire-control radar was crafted during the meeting of the navies of some 22 countries that assembled in Shandong, China amidst the Japan–China disputes in the East China Sea in 2013 (Inoguchi, 2015).

Despite the ever-increasing multilateral agreements, conventions, and treaties of all kinds, a comprehensive picture has not been provided in any systematic and statistical format (Kajima Institute of Peace, 2015). Although some global pictures of citizens' preferences and perceptions have been analyzed by Ronald Inglehart (1997), Pippa Norris (2004), Christian Welzel (2013), and Miguel Basanez (2015), the task of empirically and statistically analyzing the links between citizens' preferences and states joining multilateral treaties has never been carried out. This task is what this article sets out to do.

When the quasi-legislation process and outcome is focused on one policy area, this genre of academic research is often called regime theory (Krasner, 1983; Yamamoto, 2008). There are many regimes such as the nuclear non-proliferation regime, climate change regime, free trade regime, intellectual property regime, public health regime, human rights regime. Regime research has done a lot to describe and define multilateral agreements, conventions, and treaties on some specialized subjects. Regime research gives pictures of global quasi-legislative processes when they are digested as a whole in terms of quasi-legislative impulses, interactions, and impacts. Yet so far no research has been conducted on this genre of research to see how these three key knots in the

global quasi-legislative processes are related in numerical terms. One exception exists however: nuclear non-proliferation regime analysis (Brenner, 1981[2009]) has been undertaken to shed new light on the quasi-legislative processes in terms of impulses, interactions, and impacts in statistical terms. Among the most important findings is the positive correlation between technologically advanced countries' assistance to less technologically advanced countries in the area of nuclear power generation for peaceful purposes and nuclear proliferation. This is one strong step forward in making regime analysis more holistic, not just in one regime.

The framework we propose to use for analysing global quasi-legislative processes is to posit a model using the metaphors of Rousseau and Locke. The Rousseauesque metaphor focuses on citizens' preferences and sovereign states' participation in multilateral treaties, setting aside intermediaries of quasi-legislature bodies. Rousseau's Social Contract does not envisage any legislative bodies even in national settings. That is why Rousseau is sometimes regarded as proposing direct democracy. In the city republic of Geneva, such an envisioning has a semblance of direct democracy. Yet the point is that Rousseau was a philosopher of the primacy of reason, human intellectual power around the time of the French Revolution. Such philosophers as Condorcet, Diderot, Borda all believed in the primacy of human brains at the time when God's power was regarded as declining.

Azuma (2011) has proposed in his *General Will 2.0* that Rousseau's idea of aggregating citizens' preferences can be theorized as Google mapping via Sigmund Freud. Sigmund Freud discovered unconsciousness and it is Azuma's (2011) interpretation that Rousseau's Social Contract contains the untalked-about role of the unconsciousness, and that with no intermediate bodies such as legislative institutions Rousseau's model is complete. When is operationalized, Rousseau's *General Will (volonte generale)* becomes *General Will 2.0*. It is similar to Cass Sunstein's (2001) *Republic.com. 2.0*.

Operationally speaking, citizens' preferences are linked with states' participation in multilateral treaties to enable us to factor analyse citizens' preferences and states' participation in multilateral treaties separately to see whether their dimensionalities are more or less of the same kind. To carry out this analysis, the correlation coefficients between those factor scores of states of citizens' preferences and those scores of states' participation in multilateral treaties are useful to see the similarity of the dimensionalities. Also the states' locations on those dimensions, derived from two factor analyses, will be used to enhance similar dimensionalities. If these operations are carried out successfully, then the Rousseauesque metaphor is to be *grosso modo* useful.

The Locke metaphor consists of three knots: (1) citizens' preferences, (2) quasilegislative bodies, and (3) states' participation in multilateral treaties. A new element is 2) quasi-legislative bodies. How should we define this element? As regime research has amply shown, a bundle of intermediaries exists in global quasi-legislative processes: some 200 sovereign states and members of the United Nations, tens of thousands of non-governmental organizations, UN specialized institutions, non-UN affiliated international and transnational organizations, non-governmental individuals etc. How should we generate numerical indicators of quasi-legislative bodies?

We must recall what Rousseau and Locke used as metaphors. They were immensely constrained by the historical background of the eighteenth-century Europe. Rousseau had no map of the world let alone a global social contract. Rousseau thought about Poland and Corsica – Poland because it symbolized terrible aristocratic feudalism; Corsica because it symbolized an uncivilized space. In both, something could be done to elevate the level of political and moral life, according to Rousseau (Sarkar Muthu, 2015: 270–306).

Besides the difficulty in imagining globalization itself in the twenty-first century, Rousseau's philosophical articulation focuses on the general will rather than a social contract; in this way, he inspires and allures readers by the power of his writing. Therefore, Judith Shklar (1969) famously notes, 'The general will is Rousseau's most successful metaphor. It conveyed everything he wanted to say.' Troublesome, according to Farr and Williams (2015), is 'what he most wanted to say was not entirely new or unprecedented. Neither was it perfectly clear or invariably well received. But the concept of the general will did succeed in becoming central to the contentious imagination of modernity after ... and largely because of Rousseau.' In Judith Shklar's (1973) words, 'The phrase "general will" is ineluctably the property of one man, Jean-Jacques Rousseau.' 'No, he did not invent it. But he made its history.' Hence, a large space remains for the articulation, and the operationalization, of the general will, or the particular will, in its secular life form.

Furthermore, Rousseau had two philosophers, Immanuel Kant and Sigmund Freud, who tackled Rousseau's ideas head on. However, their solutions are not easily amenable to operationalization either. Impressed by Rousseau's ideas, Kant eventually came up with the concept of the categorical imperative, which can be defined as a way of evaluating motivations for action; for example, 'So act that your principle of action might safely be made a law for the whole world.' Instead of Rousseau's general will of the citizen, Kant focused on the good will of the individual (Riley, 2015: 333–49). To link the good will of the individual with the general will of the citizen, a philosophical bridge between them must be considered.

Freud moved in a different direction far from the rationalism at the time of French Revolution. In human beings, the unconsciousness mind impacts on behaviour. So even though the individual is aware of what is going on in the conscious mind, the unconscious mind can still control thought processes. Freud was a precursor of neuroscience in the late twentieth and early twenty-first centuries by insisting on the significant part played by the unconscious mind. Neuroscience played an important role in Rousseau's thinking.

Locke lived in England in the eighteenth century, which was so provincial and peripheral that the Vatican's influence was restrained, and the king's authority and power was receding steadily. Locke focused on the gradual expansion of parliamentary power and the politics therein, i.e. the growth of a representative democracy. Locke was lucky in that his concept of representative democracy was broad and yet clear in its meaning. Riding high on the then early Industrial Revolution and the rise of the West, the concept flourished and diffused worldwide. Locke is often thought of as the father of liberalism not merely a contributor to the development of English constitutional thought, or as a reflector of socio-economic change in seventeenth-century England (Dunn, 1994). Nevertheless, the world of globalization in the twenty-first century was not imagined by Locke or his disciples. As Keane (2009) has demonstrated eloquently in his *magnum opus*, democracy is not a monopoly of the West. Representative democracy in variant forms and names abound in history. Between global citizens and global quasi-legislation lie a huge number of legislative interveners of many kinds. Unlike the English parliament of Locke's time, there is no formal global assembly or no formal legislators. Distinction between legislators and non-legislators worldwide is not easy to make. Hence some conceptual difficulties to introduce the representative democratic model of Locke writ large on a global scale.

What must be stressed is that the Rousseauesque and Lockean metaphors remain metaphors and that our model, which is inspired by their philosophical thrusts, is not necessarily strict in distinguishing between Rousseau and Locke for two reasons: first, because they did not imagine the world of globalization and digitalization; second, because neither of them articulated or specified how their models of direct or representative democracy could possibly function in a steadily globalizing world.

# 2. Different backgrounds of the Rousseauesque and Lockian metaphors of social contract

It is no coincidence that Rousseau and Locke lived their philosophical lives in the seventeenth-eighteenth century Switzerland and England, respectively. These two countries, along with Sweden, are, according to Laurence Whitehead (2002), the earliest modern origins of democracy in Europe. Whitehead argues that three conditions were ripe in these countries. First, they were peripheral countries in Europe; second, they were the least influence by the Vaticar; third, their societies were parochial and primitive. Switzerland consisted of cantons in which people knew each other so intimately that 'the notion of representation' was alien to their direct democracy where every citizen was a legislator (Cranston, 1985: 20). England consisted of slowly emerging self-assertive parliamentarians and the increasingly non-despotic King. They set up its own national Anglican church by severing ties with the Vatican. Therefore it is no wonder that Switzerland and England developed their respective versions of democracy: direct democracy in Switzerland (Barber, 1974, 2004) and representative democracy in England (Dunn, 1994).

The setting of the Rousseauesque metaphor is Switzerland in the eighteenth century. When every citizen was a legislator, aggrandizing a legislative body was not an issue – hence, direct democracy. To extend direct democracy without a legislative body into global direct democracy means that global citizens express themselves and the accumulation of their expressions are bound to become social contract.

Rousseau does not articulate the 'legislative process' since it is of no use. Instead of a legislative body, Rousseau sometimes refers to the reason of human beings which was about to replace God in formulating a society in Europe, especially in France where philosophers, including Didorot, Borda, D'Alembert, Montesquieu, Voltaire, and, of course, Rousseau, stressed the primacy of human reasoning in running a society. A strong argument can be made when envisaging global politics as being Rousseauesque is that without a formal legislative body, and indeed without a global polity, multilateral treaties would become overwhelming and global citizens' preferences would appear on the internet in an endless stream as well as through more conventional media. The advent of the internet, and other social networking services, has led global politics to the incessant bursting of expressions in all directions.

# 3. Key driver of Rousseauesque metaphor: the post-modern rise of the internet

The Rousseauesque metaphor has been able to grow globally due in large part to the rise of the Internet and social networking services. The Internet allows us to share emotions with others (Turkle, 2012), which results in what Sunstein (2001) calls cyberbalkanization of society. The dramatic rise in individuals' self-expression of sentiments and opinions has made society *vis-à-vis* the power of the state formidable. Before, the state almost monopolized power. Now not only citizens are monitored by the state but also the state is monitored by citizens. John Keane (2009) calls this monitory democracy. And no less importantly, the relationship has become transnational. Thanks to technological progress, direct democracy, which used to be applicable only on a small scale, has become global. One of the important differences between Rousseau and Locke is that the solid construct in Rousseau is between the state and each citizen, whereas the solid construct in Locke is among citizens themselves. In other words, Rousseau's construct is between the state and sovereignty as the aggregation of the citizens (Suzuki, 2013).

# 4. Key driver of the Lockean metaphor: the post-modern rise of transnational organizations and movements

The setting of the Lockean metaphor is England in the seventeenth-eighteenth centuries. By the late seventeenth century, the absolutism of the King was settled (the Glorious Revolution of 1688) and the stability of politics was somehow assured by the Declaration of Rights. Since then, English politics has evolved surrounding the competition of parliamentarians in legislating laws, and politics became law making. Legislation and representation have become key to English politics. John Locke became a god of representative democratic politics. Extending the Lockean metaphor into global politics poses a difficulty in handling what is a legislative body. When global politics is often regarded as politics of power in the Hobbesian mold, how can we envisage global politics as Lockean? In a sense, global politics focuses on legislation based on multilateral treaties as well as bilateral agreements. A glance at the number of war-related deaths reveals the dramatic decline in treaties over the last 77 years: 5 million

per year during 1938–1945; 100 thousands per year during 1945–89; and 10 thousands per year during 1989–2015. The number of multilateral treaties has increased by leaps and bounds (Inoguchi, 2015; Le *et al.*, 2014):

The Lockean model has been transformed into a global model due in large part to the rise of transnational organizations and movements (Hale and Held, 2011). Transnational organizations have risen in terms of size, budget, and capacity to tackle global, regional, and national issues with recruitment by meritocratic and professional criteria. It was in 1973 that Samuel Huntington (1978) called their pronounced rise a transnational organizational revolution in world politics. When national governments cannot cope with such global issues as climate change, terrorism, cyber attacks, free trade, development, human rights, disarmament with national governments alone, transnational organizations stand up to carry out varieties of tasks (Drezner, 2014). It is recognition by almost powerless national governments regarding the relentless climate change, which is transforming the earth and affecting human lives with exceedingly hot temperature, massive rainfalls, monstrously strong winds, that led to as many as 160 countries to promulgate the Paris convention on climate change in 2015. No less important to note is the rise of transnational movements that contend and compete as well as augment and assist transnational organizations with their oft-times deeper penetration into local social forces. McAdam and Tarrow (2001) argued in 'Sale Shift in Transnational Contention' that internationalization and globalization have promoted the expansion of social protest, international relations, and social movements.

#### 5. Concept and measurement of global citizens' preferences

Since George Gallup set up the American Institute of Public Opinion in New York in 1935, numerous opinion polls have been carried out. Not one week passes nowadays without seeing new polling results in daily newspapers. In business, politics, and mass media, opinion polls have become indispensable instruments to view the direction of human thinking and actions in the future. Yet one thing has not changed at all since 1935, despite all the tides of globalization for eight decades. All the opinion polls are nationally sampled, whether randomly sampled or not. There has never been a randomly sampled global poll conducted. There is neither a theory of global sampling nor an underlying theory of global citizens in a global polity. So what we have is an assemblage of nationally sampled respondents' answers, often across nations.

Ideally, since our task is to see global citizens' preferences on values and norms, the theory of global sampling should underpin the task of sampling. The fact is that the World Values Survey, most frequently cited and used survey in this domain of polls, uses an assemblage of nationally sampled polls from over 150 countries. Gilani and Inoguchi (2013) articulate the theory of global sampling. The population is in this theory an entire global population of, say, 7 billion persons. Global sampling is conducted in terms of many blocs, each of which contains, say, one million persons. Google Earth is utilized to measure such blocs. Instead of an assemblage of nationally sampled persons, globally sampled respondents are drawn from many-units. Once a globally sampled survey is carried out, data analysis is straightforward and does not require having a number of respondents weighted according to each national population. Data analysis is globally carried out based on the characteristics of, say, lifestyles of the middle-income class, religiosity of Christians or Muslims or Buddhists. Yet the World Values Survey is based not on the theory of global sampling but on the theory of national sampling. Therefore, it is an assemblage of cross-national surveys conducted every ten to five years throughout the world. This is the best available until the globally sampled survey is validated to yield no less scientific and more cost-efficient results. Some simulation results are encourage us to further pursue this logic.

#### 6. Concept and measurement of multilateral treaties (Le et al., 2014)

No sampling is necessary in collecting multilateral treaties. Most of them are registered in the United Nations. They also contain some of those registered in the League of Nations (1918–38) and some of them even before 1918. The global legislative outputs are based on its entirety, except for those that do not fit as a multilateral treaty. One hundred and twenty treaties are examined. The earliest and latest multilateral treaties in each of the six policy domains are listed in Appendix 1. Each treaty is described using the following attributes:

- Policy domain: Treaties are categorized into six areas: human rights, peace and security, environment, intellectual property rights, commerce and communication, and labor
- The year that a treaty was registered with the relevant international body
- The type of increase of those states that join multilateral treaties concerned: Four types of membership are proposed and the respective graph is drawn for each treaty, namely: A. Unipolar (the treaties that do not enjoy many members); B. Steady increase; C. Popular with a jump in the number of members at a certain point; D. Popular with very many members from the start.
- The name of the ten geo-historico-cultural groups by Christian Welzel (2013) in a modified form: (1) Indic East, (2) Islamic East, (3) Latin America, (4) New West, (5) Old West, (6) Orthodox East, (7) Reformed West, (8) Sinic East, (9) Sub-Saharan Africa, (10) Returned West (see Appendix 2 for the Welzel list and the modified Le/Inoguchi list).
- The number of current members as of 2014

# 7. Gauging links between citizens' preferences and states' treaty participation

We have so far concentrated on describing our procedure of linking global citizens' preferences and states' participation in multilateral treaties. The question we should tackle before gauging such links is: Should we assume the scheme of a global quasi-legislative process in a global political system, where there are no sovereign institutions, with democratically elected representatives and professionally chosen bureaucrats who

together construct agreements and execute laws facing seven billion citizens without borders? Our answer is no. Our first task – the most important task – is to describe citizens' preferences in terms of collectively unconscious desires and passions. Since the World Values Survey keeps asking about values and norms, in other words about what citizens aspire to and want to materialize, we have to highlight via statistical methods the fairly strong collective desires. Since the Multilateral Treaties Survey keeps registering the common ground between states' in treaties and conventions, for our second task we have to highlight via statistical methods that the fairly strong collective passions are part of such multilateral treaties and conventions. After these two tasks are carried out, our next task is to assess their links in one way or another.

The kind of statistical procedure that best fitted our task was factor analysis via varimax rotation. Citizens' preferences have been most intensively studied by the World Values Survey team (Inglehart and Welzel, 2005; Welzel, 2013; Basanez, 2015). States' participation in multilateral treaties has been studied by the Multilateral Treaties project team (Le *et al.*, 2014). The former task has been masterfully carried out by Welzel (2013); we summarize his results only to the extent to which they are pertinent to our present task.

Welzel (2013) has factor-analysed the data of the World Values Survey for 2010– 12, with the following dimensions and states' locations. Since the World Values Survey project has been sustained since the mid-1970s, it has undergone five waves of worldwide surveys on values and norms. Welzel (2013) utilizes data from the latest wave that covers 93 countries and includes from each region in the world those countries with biggest populations and largest economies. Thus, the data represent almost 90% of the world's population. The key two dimensions that have emerged from his analysis are similar to the previous World Values Survey studies but differ in the labeling of the dimensions reflecting changing citizens' values and norms and in the author's different focus in framing analysis.

The first dimension is *Emancipative versus Protective* and the second dimension is *Secular versus Sacred. Emancipative* means that citizens want freedom and openness, whereas *Protective* means that citizens want regulation, care, and protection. *Secular* means that citizens want non-religious life, whereas *Sacred* means that citizens want religious life. Since the whole questionnaire is tailored to values and norms and related subjects, this is most indicative of what citizens aspire to and want to materialize.

Welzel places the above shown ten geo-historico-cultural country groups onto these two dimensions. Welzel's grouping focuses on the West and therefore the differences among the West is sharply delineated, whereas the non-West is less so. Nevertheless, most striking is the predominance of the West. In the rough order of high scores on the emancipative versus protective dimension:

Reformed West, meaning those countries that were reshaped after the Reformation, are most emancipative. They include Germany, Netherlands, Sweden, Switzerland, Norway, and Finland.

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Old West, meaning those countries that were established after the Roman Empire, are next most emancipative. They include France, Italy, and Spain.

New West, meaning those countries in the Americas that were born in the New American Continent and the Pacific. They include the United States, Canada, New Zealand, and Australia.

Latin America, meaning those countries that were shaped after the French Revolution. They include Mexico, Venezuela, Brazil, Cuba, and Argentine.

Returned West, meaning those countries that returned to the West after the Cold War. They include the Czech Republic, Slovenia, Croatia, Estonia, and Lithuania.

Sub-Saharan Africa, meaning Africa below the Sahara. They include Nigeria, Liberia, Ghana, Benin, Mozambique, and Democratic Republic of Congo.

Orthodox East, meaning those countries whose key religious denomination is Russian orthodox. They include Russia, Georgia, Serbia, and Montenegro.

Sinic East, meaning those countries heavily affected by the Chinese civilization. They include China, Japan, South Korea, and Vietnam.

Indic East, meaning those countries heavily influenced by the Indian civilization. They include India, Pakistan, Bangladesh, Sri Lanka, Nepal, and Bhutan.

Islamic East, meaning those countries heavily influenced by Islamic religion in the Middle East and North Africa. They include Egypt, Turkey, Morocco, Algeria, Lebanon, Jordan, Kuwait, Saudi Arabia, and United Arab Emirates.

Similarly, on the Secular versus Sacred dimension, in rough order of Secular versus Sacred, it is as follows:

Sinic East Reformed West Returned West Orthodox East Old West New West Indic West Islamic West Latin America Sub-Saharan Africa

Most striking is that the most secular position is occupied by the Sinic East. It is known for the origin of meritocracy, i.e., some 2000 years back in Qin China's Emperor Shi as contrasted to some 200 and odd years back in England. Next most secular is

Variable	Description
Year of membership [YrMember]	The year when a country ratified a treaty is identified
Year of Deposit [YrDeposit]	The year when a treaty is deposited to the relevant international body
Number of Current Members [CurrentMember]	The number of current member countries of a treaty as of 2014
Global Leadership Willingness [GLW]	A quantitative index to measure how quickly a country responds to the formulation of a treaty and is calculated based on the number of elapsed years between the promulgation of a treaty and a country's ratification act.
Modified Welzel Regional Group [Region]	A country is classified in one of the ten geo-historico-cultural groups by Christian Welzel (2013) in its modified form by the Le/Inoguchi scheme (Appendix 2).
Policy Domain [Domain]	The six policy domain categorizations based on the main purpose of a treaty

Table 1. Six variables of the factor analysis on multilateral treaties data

the Reformed West (those countries established after the Reformation). Non-Catholic populations in the Reformed West are placed at this level of secularity. In terms of secularity, the Returned West (post-Cold War Central and Eastern Europe) comes in third. The Orthodox East comes next. Seven decades of communist rule secularized societies very much. Yet the post-communist societies have revived non-secularity significantly. Following the Orthodox East is the Old West (those countries established after the Roman Empire). The Republic of France's culture for *laicite* leads to the endeavor for secularity in schools and other institutions. The Old West, new settler societies, is the most religious of the West. Especially the United States of America is known for high religiosity. Also the famous hypothesis of *Protestantism and the Ethics of Capitalism* by Max Weber, the sociologist, is not sustained there. Catholics register higher academic scores than non-Catholic populations. Then come the whole range of non-West countries, albeit not including the Sinic East. Religiosity gets higher in the order for the Indic East, the Islamic East, Latin America, and Sub-Saharan Africa. The Indic East is most religious in Asia but outside Asia it is the least religious.

Next we have factor-analysed states' participation in multilateral treaties. For that purpose, the principal component of analysis with varimax rotation and Kaiser normalization based on six variables that represent six attributes of multilateral treaties is implemented (Table 1).

Table 2 lists the three most important dimensions that emerged using factor analysis of the multilateral treaties data. These dimensions explain nearly 70% of cumulative variance. The two items *Year of Membership* and *Year of Deposit* tap the first component that is named *Agile versus Cautious*. The second dimension, the so-called *Global Commons versus Individual Citizens' Rights*, is based on the two items *Policy*  **Table 2.** Factor analysis using principal component analysis with varimax rotation and Kaiser normalization: sovereign states' participation in multilateral treaties

	Component			
	1	2	3	
YrMember	0.899			
YrDeposit	0.920			
CurrentMember		0.746		
GLW			-0.836	
Domain		-0.797		
Region			0.587	
Component transform	mation matrix			
Component	1	2	3	
1	0.994	0.003	0.107	
2	0.060	0.815	-0.577	
3	-0.089	0.580	0.810	

*Domain* and *Number of Current Members*. Thirdly, the two items *Global Leadership Willingness* and *Modified Welzel Regional Group* form the third dimension that is labeled as *Aspirational Bonding versus Mutual Binding*.

The first dimension Agile versus Cautious has to do with how nimble or prudent a country is in joining multilateral treaties. Naturally, those countries which became independent immediately after the Second World War and those countries who got independent in the fourth quarter of the last century are cautious: always apprehensive of the possibility of being constrained by such treaties when their precious national independence was obtained. Accumulation of professional expertise and organizational leadership by Western countries have made a huge difference in joining multilateral treaties. In the rough order of high scores on the second dimension:

Reformed West Old West Latin America Sinic East Islamic East Indic East New West Sub-Saharan Africa Returned West Orthodox East The second dimension that is labeled as *Global Commons versus Individual Citizens' Rights* is concerned with whether primary concerns are the environment, peace and security, intellectual property rights on the one hand and labor, occupational health and safety, human rights on the other. In the rough order of those country groups, it is as follows:

Reformed West Old West Returned West Latin America Sinic East Orthodox East New West Islamic East Indic East Sub-Saharan Africa

Most striking is the most global position of the Reformed West. Their concern about global commons is reflected in the generation of highly skilled professionals manning the United Nations and other special international organizations and transnational social movements. The Nobel peace prize, Copenhagen initiative in environmentalism, yearning for Ikeya-style innovation and invention are some of the features of the Reformed West. Then comes the Old West, the Returned West, Latin America, and the Sinic East. They balance the global commons and the individual citizen's rights. Not curiously, the Orthodox East (including Russia) and the New West (including the United States) lean toward individual citizen's rights. It might as well be indicative of the declined counter-hegemony and the declining hegemony that they are assertive of their citizen's rights and interests. The Islamic West, the Indic East and Sub-Saharan Africa reveal their yearning for independence and state sovereignty.

The third dimension is called *Aspirational Bonding versus Mutual Binding*. Multilateral treaties are often qualitatively different from national laws in terms of the degree of binding. They often contain those appealing to aspirational bonding. High on Aspirational Bonding are Sub-Saharan Africa, Latin America, the Sinic East, the Islamic East, the Indic East, the Orthodox East – all represent Global South's collective voice – registering their yearning rather than being mutually bound. In contrast, the Returned West, the Old West, the New West, and the Reformed West quietly generate rules that bind the rest as much as possible. In the rough order of high/low on the third dimension:

Sub-Saharan Africa Latin America Sinic East Islamic East Indic East Orthodox East Returned West New West Old West Reformed West

To gauge the link between the Cultural Map of the World (CMW) produced from Welzel's World Values Survey data and the Legislative Map of the World (LMW) obtained from factor-analysed states' partition in multilateral treaties, there is the need to estimate missing data. There are data for 93 countries in the Welzel data set, while there are data for 193 UN member states. To solve this gap of data, we proceed as follows:

- Identify the region in the Welzel scheme (say, Islamic East) to which a country with missing data belongs. When there is a country that does not show up in the Welzel groups, we judge its belongingness, judging from a country's historical, geographical, and cultural features.
- 2. Calculate the sum of scores of those countries which belong to the region (say, Islamic East) and whose scores are available.
- 3. Calculate the mean.
- 4. Use the mean as an estimated value of missing data.

With this estimation of missing data, the CMW data for all 193 UN member states are calculated and combined with the LMW data. Thus, the correlation coefficients between citizens' preferences and states' participation in multilateral treaties can be calculated.

Table 3 shows all the major dimensions emerged from CMW factor-analysed data (Welzel, 2013) and LMW factor-analysed data, listed along with their abbreviated forms.

To see the similarities between citizens' preferences and the sovereign states' willingness to join multilateral treaties, the correlation coefficients between the CMW and the LMW are shown in Table 4.

We focus on the absolute values of these coefficients, since plus and minus can be converted if protective versus emancipative are phrased as emancipative versus protective, and if sacred versus secular are phrased as secular versus sacred. Then we examine the correlation coefficients between the CMW and the LMW.

First, the correlation coefficient between Pr-Em and Ag-Ca, i.e., 0.324, is fairly high. Agile are mostly countries from the developed north and cautious are mostly those from the developing south. Since the latter half of the twentieth century, liberalization and

The CMW factor-analyzed with varimax rotation yields two major dimensions	1. Protective versus Emancipative (Pr-Em)
	2. Sacred versus Secular (Sa-Se)
The LMW factor analysed with varimax rotation yields three major dimensions	1. Agile versus Cautious (Ag-Ca)
	2. Global Commons versus Individual Citizens' Rights (Gc-Icr)
	<ol> <li>Aspirational Bonding versus Mutual Binding (Ab-Mb)</li> </ol>

**Table 3.** CMW factor-analysed data and LMW factor-analysed data, listed with their abbreviated forms

	Pr-Em	Sa-Se	Ag-Ca	Gc-lcr	Ab-Mb
Pr-Em	1.000	0.156	-0.324	-0.433	0.495
Sa-Se	0.156	1.000	-0.066	-0.325	0.619
Ag-Ca	-0.324	-0.066	1.000	0.769	-0.527
Gc-lcr	-0.433	-0.325	0.769	1.000	-0.737
Ab-Mb	0.495	0.619	-0.527	-0.737	1.000

Table 4. Correlation coefficients between the CMW and the LMW

globalization has increased in the world, so this figure makes eminent sense. The CMW and the LMW correlate fairly well.

Second, the correlation coefficient between Pr-Em and Gc-Icr, i.e., 0.433, is fairly high. The degree to which global commons are easier for the developed north to envisage, while the degree to which individual citizens' rights are more universally acknowledged for the developing south.

Third, the correlation coefficient between Pr-Em and Ab-Mb, i.e., 0.495, is high. The developing south can be protective in its overall attitude – for instance, it can express aspirations to respect gender equality.

Fourth, the correlation coefficient between Sa-Se and Ag-Ca, i.e., 0.066, is low. This means that the distinction between Sacred and Secular has little to do with the distinction between Agile versus Cautious. The New West and Sub-Saharan Africa have many commonalities, for instance.

Fifth, the correlation coefficient between Sa-Se and Gc-Icr, i.e., 0.325, is fairly high. The developing south stresses Sacred and Individual citizens' rights.

Sixth, the correlation coefficient between Sa-Se and Ab-Mb, i.e., 0.619, is very high. Sacred and Aspirational Bonding have a lot in common.

To sum up, Sa-Se and Ab-Mb are highly correlated each other. Sa-Se and Ag-Ca are the least correlated. The rest exhibit fairly high correlation coefficients.

	Pr-Em	Sa-Se	Ag-Ca	Gc-lcr	Ab-Mb
Pr-Em	1.000	0.129	-0.443	-0.622	0.559
Sa-Se	0.129	1.000	0.059	0.187	0.452
Ag-Ca	-0.443	0.059	1.000	0.795	-0.558
Gc-lcr	-0.662	-0.187	0.795	1.000	-0.737
Ab-Mb	0.559	0.452	-0.558	-0.774	1.000

**Table 5.** Correlation coefficients calculated without estimations of the missing data

In order to see the robustness of correlation coefficients calculated on the basis of the estimations of the missing data, correlation coefficients calculated without these estimations are shown in Table 5.

Appraisal of the correlation coefficients for CMW and LMW with and without use of estimated data has shown that the results are robust. They are very similar. Use of this estimation is justified.

The ten modified Welzel groups' locations on the CMW and the LMW are as follows.

[Figures 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b, 5a, 5b, 6a, 6b]

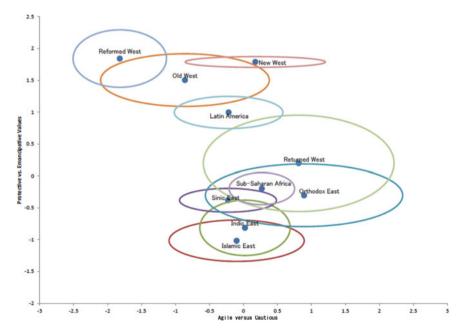


Figure 1a. Ten groups of countries located onto dimensions (Ag-Ca×Pr-Em) with partially estimated data

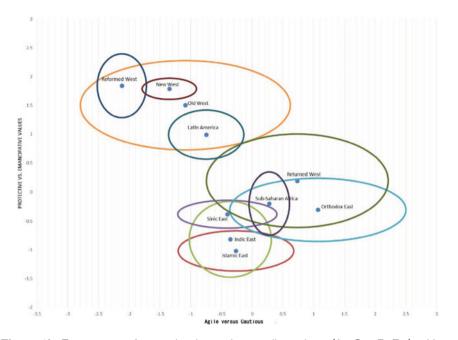


Figure 1b. Ten groups of countries located onto dimensions (Ag-Ca×Pr-Em) without estimated data

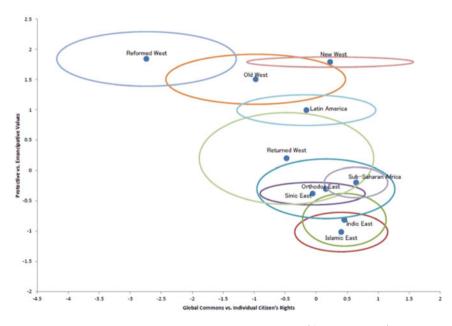


Figure 2a. Ten groups of countries located onto dimensions (Gc-Icr  $\times$  Pr-Em) with partially estimated data

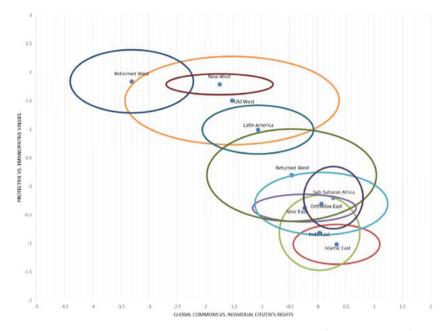


Figure 2b. Ten groups of countries located onto dimensions (Gc-Icr  $\times$  Pr-Em) without estimated data

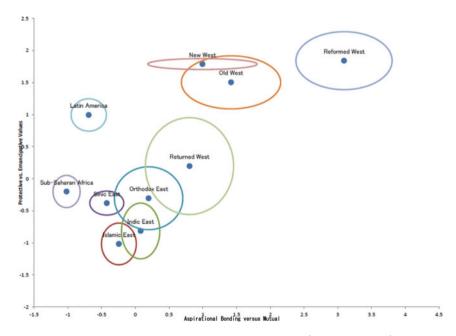


Figure 3a. Ten groups of countries located onto dimensions (Ag-Mb  $\times$  Pr-Em) with partially estimated data

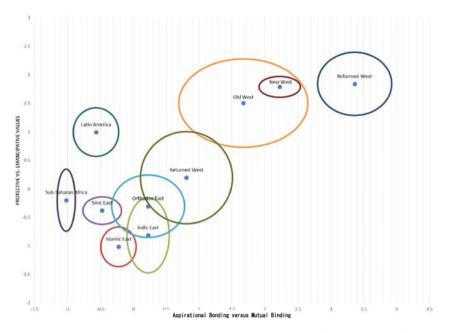


Figure 3b. Ten groups of countries located onto dimensions (Ag-Mb  $\times$  Pr-Em) without estimated data

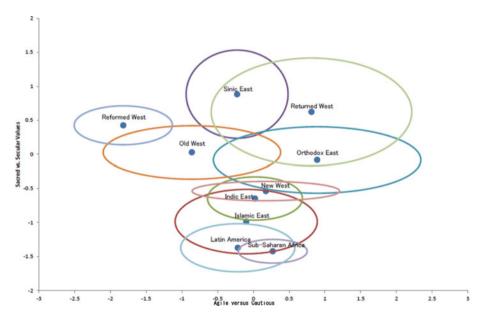


Figure 4a. Ten groups of countries located onto dimensions (Ag-Ca  $\times$  Sa-Se) with partially estimated data

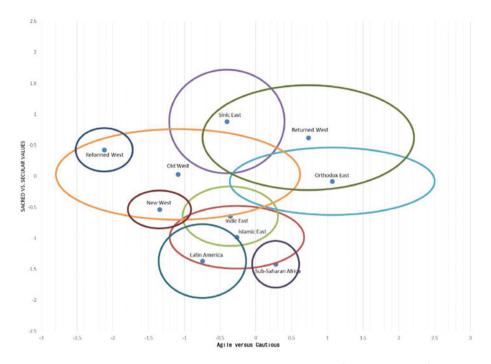


Figure 4b. Ten groups of countries located onto dimensions (Ag-Ca  $\times$  Sa-Se) without estimated data

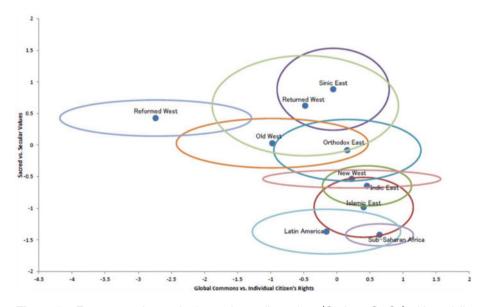


Figure 5a. Ten groups of countries located onto dimensions (Gc-Icr  $\times$  Sa-Se) with partially estimated data

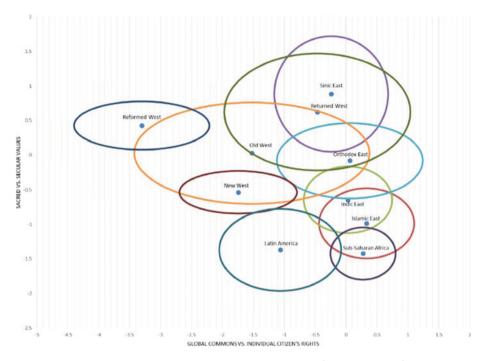


Figure 5b. Ten groups of countries located onto dimensions (Gc-lcr  $\times$  Sa-Se) with partially estimated data

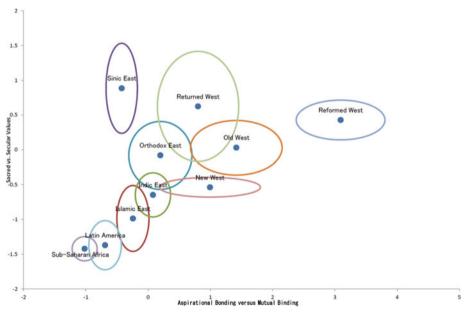


Figure 6a. Ten groups of countries located onto dimensions (Ab-Mb  $\times$  Sa-Se) with partially estimated data

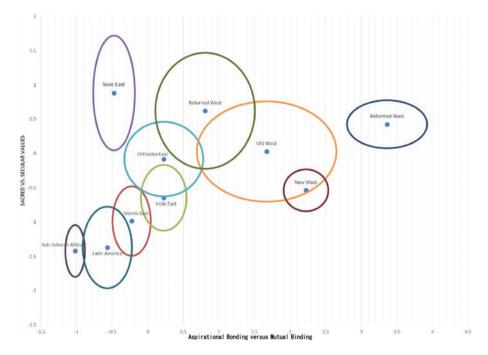


Figure 6b. Ten groups of countries located onto dimensions (Ab-Mb  $\times$  Sa-Se) without estimated data

A glance at paired figures on the basis of estimated and pre-estimated data gives a strong evidence about the robustness of estimation. As the six pairs of figures locating the ten groups of nations along key dimensions are compared, one concurs that the locations of the ten groups of countries in the key dimensions are robust.

#### 8. Conclusion

We have proposed the concept of the global quasi-legislative processes and outcomes. We have proposed a model linking global citizens' preference and states' participation in multilateral treaties. In constructing our model, we have benefitted from Rousseau's and Locke's metaphors. At the same time, we have found that Rousseau's and Locke's ideas of direct democracy and representative democracy are not easily amenable to operationalization. Rather Rousseau's and Locke's metaphors will continue to help us to envisage a more sophisticated model of global quasi-legislative processes and outcomes. This paper is no more than the first result in our search for global quasi-legislative politics.

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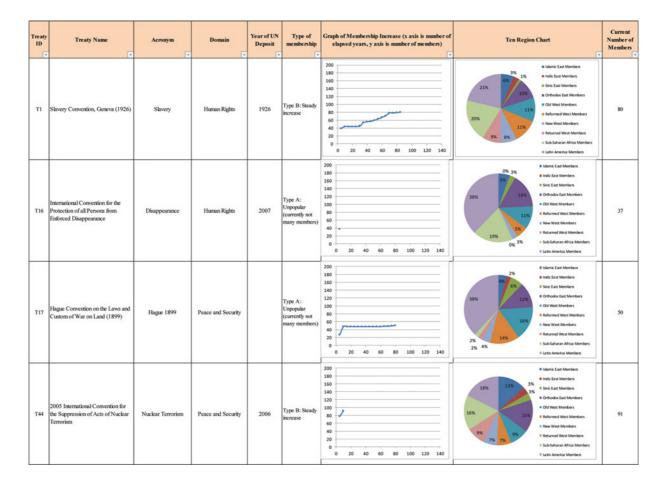
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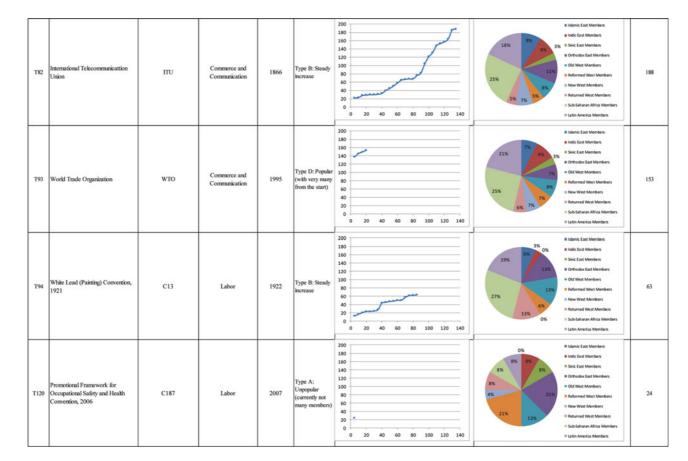
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Appendix 1: Six Attributes of Selective Multilateral Treaties (The earliest and latest ones in each of the Six Policy Domains)

T46	Food and Agriculture of the United Nations	FAO	Environment	1945	Type B: Steady increase	200 180 160 140 120 0 0 20 40 60 80 100 120 140	19% 95 55 11 25% 5% 5% 5%	Islamic East Membes     Indic East Membes     Sinic East Membes     Sinic East Membes     ChYdrodic East Members     ChYdrodic Kast Members     New West Members     Sub-Saharan Ahica Members     Sub-Saharan Ahica Members	188
T67	Stockholm Convention on Persistent Organic Pollitants	POPs	Environment	2001	Type D: Popular (with very many from the start)		18% 9% 55 et 10% 26% 6%	Islamic East Membens     Indic East Membens     Sinci East Memben     Sinci East Memben     Chd West Members     New West Members     Selucined West Members     Sub-Sahara Africa Members     Sub-Sahara Africa Members	175
T68	Paris Convention for the Protection of Industrial Property (1883)	Paris	Intellectual Property	1884	Type C: Popular (not many at the start but at a certain point members jump)		20% 9% 33 25% 5% 0% 9%	Inderic East Membes     Indic East Membes     Sinci East Membes     Crithodox East Members     Old West Members     Adormed West Members     Reformed West Members     Returned West Members     Subdaharan Africa Members     Latio Arrentca Members	173
T81	WIPO Copyright Treaty	wcт	Intellectual Property	2002	Type B: Steady increase	200 180 140 140 100 80 0 0 20 0 20 40 60 80 100 120 140 140 140 100 100 100 100 10	20% 8% 5% 10% 19% 10% 9% 12%	Idanic East Membes     Indic East Membes     Sinic East Membes     Crithodox East Members     Old West Members     Netormed West Members     Reformed West Members     Returned West Members     Sodsaharan Africa Members     Latin Arrenta Members	89

Appendix 1: Continued



Appendix 1: Continued

# Appendix 2: The Welzel Category (2013) and the modified Welzel Category or the extended Inoguchi/Le Category (2016)

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
1 2	Afghanistan Albania	AFG ALB	Latin America Orthodox East		Latin America Orthodox East
3	Algeria	DZA	Islamic East		Islamic East
4 5	Andorra Angola	ADO AGO	Old West	Sub-Saharan Africa	Old West Sub-Saharan Africa
6	Antigua and Barbuda	ATG		Latin America	Latin America
7	Argentina	ARG		Latin America	Latin America
8	Armenia	ARM		Orthodox East	Orthodox East
9	Australia	AUS	New West		New West
10 11	Austria Azerbaijan	AUT AZE	Old West Orthodox East		Old West Orthodox East
12	Bahamas	BHS		Latin America	Latin America
13	Bahrain	BHR		Islamic East	Islamic East
14	Bangladesh	BGD	Indic East		Indic East
15	Barbados	BRB	<b>.</b>	Latin America	Latin America
16	Belarus	BLR	Orthodox East		Orthodox East
17	Belgium	BEL	Old West		Old West
18	Belize	BLZ		Latin America	Latin America
19	Benin	BEN		Sub-Saharan Africa	Sub-Saharan Africa
20	Bhutan	BTN		Indic East	Indic East
21	Bolivia	BOL		Latin America	Latin America
22	Bosnia and Herzegov- ina	BIH	Orthodox East		Orthodox East
23	Botswana	BWA		Sub-Saharan Africa	Sub-Saharan Africa
24	Brazil	BRA	Latin America		Latin America
25	Brunei Darus- salam	BRN		Indic East	Indic East
26	Bulgaria	BGR		Orthodox East	Orthodox East
27	Burkina Faso	BFA	Sub-Saharan Africa		Sub-Saharan Africa
28	Burundi	BDI		Sub-Saharan Africa	Sub-Saharan Africa
29	Cambodia	KHM		Indic East	Indic East
30	Cameroon	CMR		Sub-Saharan Africa	Sub-Saharan Africa

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
31	Cape Verde	CPV		Sub-Saharan	Sub-Saharan
32	Canada	CAN	New West	Africa	Africa New West
33	Central	CAF		Sub-Saharan	Sub-Saharan
	African Republic			Africa	Africa
34	Chad	TCD		Sub-Saharan Africa	Sub-Saharan Africa
35	Chile	CHL	Latin America		Latin America
36	China	CHN	Sinic East		Sinic East
37	Colombia	COL	Latin America		Latin America
38	Comoros	COM		Sub-Saharan	Sub-Saharan
				Africa	Africa
39	Congo	COG		Sub-Saharan	Sub-Saharan
40			· . ·	Africa	Africa
40	Costa Rica Cote d'Ivoire	CRI CIV	Latin America	Sub-Saharan	Latin America Sub-Saharan
41	Cole d ivoire	CIV		Africa	Africa
42	Croatia	HRV	Returned West	Allica	Returned West
43	Cuba	CUB		Latin America	Latin America
44	Cyprus	CYP	Old West		Old West
45	Czech Republic	CZE	Returned West		Returned West
46	Democratic People's Republic of Korea	PRK		Sinic East	Sinic East
47	Democratic Republic of the Congo	ZAR		Sub-Saharan Africa	Sub-Saharan Africa
48	Denmark	DNK	Reformed West		Reformed West
49	Djibouti	DJI		Sub-Saharan Africa	Sub-Saharan Africa
50	Dominica	DMA		Latin America	Latin America
51	Dominican Republic	DOM		Latin America	Latin America
52	Ecuador	ECU		Latin America	Latin America
53	Egypt	EGY	Islamic East		Islamic East
54	El Salvador	SLV	Latin America		Latin America
55	Equatorial Guinea	GNQ		Latin America	Latin America

	_	_		Extended	
ID	Country Name	Country Code	Welzel Category	Inoguchi/Le Category	Ten Region Category
56	Eritrea	ERI		Sub-Saharan Africa	Sub-Saharan Africa
57	Estonia	EST	Returned West	Anoa	Returned West
58	Ethiopia	ETH		Sub-Saharan Africa	Sub-Saharan Africa
59	Fiji	FJI		New West	New West
60	Finland	FIN	Reformed		Reformed West
			West		
61	France	FRA	Old West		Old West
62	Gabon	GAB		Sub-Saharan	Sub-Saharan
				Africa	Africa
63	Gambia	GMB		Sub-Saharan	Sub-Saharan
				Africa	Africa
64	Georgia	GEO	Orthodox		Orthodox East
	-		East		
65	Germany	DEU	Reformed		Reformed West
			West		
66	Ghana	GHA	Sub-Saharan		Sub-Saharan
			Africa		Africa
67	Greece	GRC	Old West		Old West
68	Grenada	GRD		Latin America	Latin America
69	Guatemala	GTM	Latin America		Latin America
70	Guinea	GIN		Sub-Saharan	Sub-Saharan
				Africa	Africa
71	Guinea-	GNB		Sub-Saharan	Sub-Saharan
	Bissau			Africa	Africa
72	Guyana	GUY		Latin America	Latin America
73	Haiti	HTI		Latin America	Latin America
74	Honduras	HND		Latin America	Latin America
75	Hungary	HUN	Returned		Returned West
			West		
76	Iceland	ISL	Reformed		Reformed West
			West		
77	India	IND	Indic East		Indic East
78	Indonesia	IDN	Indic East		Indic East
79	Iran	IRN	Islamic East		Islamic East
80	Iraq	IRQ	Islamic East		Islamic East
81	Ireland	IRL	Reformed		Reformed West
			West		
82	Israel	ISR	Old West		Old West
83	Italy	ITA	Old West		Old West
84	Jamaica	JAM		Latin America	Latin America

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
85	Japan	JPN	Sinic East		Sinic East
86	Jordan	JOR	Islamic East		Islamic East
87	Kazakhstan	KAZ		Orthodox East	Orthodox East
88	Kenya	KEN		Sub-Saharan Africa	Sub-Saharan Africa
89	Kiribati	KIR		New West	New West
90	Kuwait	KWT		Islamic East	Islamic East
91	Kyrgyzstan	KGZ	Orthodox East		Orthodox East
92	Lao People's Democratic	LAO		Indic East	Indic East
~ ~	Republic		<b>D</b>		<b>D</b>
93	Latvia	LVA	Returned West		Returned West
94	Lebanon	LBN		Islamic East	Islamic East
95	Lesotho	LSO		Sub-Saharan Africa	Sub-Saharan Africa
96	Liberia	LBR		Sub-Saharan Africa	Sub-Saharan Africa
97	Libyan Arab Jamahiriya	LBY		Islamic East	Islamic East
98	Liechtenstein	LIE		Old West	Old West
99	Lithuania	LTU	Returned West		Returned West
100	Luxembourg	LUX	Old West		Old West
101	Madagascar	MDG		Sub-Saharan Africa	Sub-Saharan Africa
102	Malawi	MWI		Sub-Saharan	Sub-Saharan
				Africa	Africa
103	Malaysia	MYS	Indic East		Indic East
104	Maldives	MDV		Indic East	Indic East
105	Mali	MLI	Sub-Saharan Africa		Sub-Saharan Africa
106	Malta	MLT	Old West		Old West
107	Marshall Islands	MHL		New West	New West
108	Mauritania	MRT		Sub-Saharan Africa	Sub-Saharan Africa
109	Mauritius	MUS		Sub-Saharan Africa	Sub-Saharan Africa
110	Mexico	MEX	Latin America	Amca	Latin America
111	Monaco	MCO	Latin America	Old West	Old West

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
112	Mongolia	MNG		Sinic East	Sinic East
113	Montenegro	MNE	Orthodox East		Orthodox East
114	Morocco	MAR	Islamic East		Islamic East
115	Mozambique	MOZ		Sub-Saharan Africa	Sub-Saharan Africa
116	Myanmar	MMR		Indic East	Indic East
117	Namibia	NAM		Sub-Saharan Africa	Sub-Saharan Africa
118	Nauru	NRU		New West	New West
119	Nepal	NPL		Indic East	Indic East
120	Netherlands	NLD	Reformed West		Reformed West
121	New Zealand	NZL	New West		New West
122	Nicaragua	NIC		Latin America	Latin America
123	Niger	NER		Sub-Saharan Africa	Sub-Saharan Africa
124	Nigeria	NGA	Sub-Saharan Africa		Sub-Saharan Africa
125	Norway	NOR	Reformed West		Reformed West
126	Oman	OMN		Islamic East	Islamic East
127	Pakistan	PAK	Indic East		Indic East
128	Palau	PLW		New West	New West
129	Panama	PAN		Latin America	Latin America
130	Papua New Guinea	PNG		New West	New West
131	Paraguay	PRY		Latin America	Latin America
132	Peru	PER	Latin America		Latin America
133	Philippines	PHL	Indic East		Indic East
134	Poland	POL	Returned West		Returned West
135	Portugal	PRT	Old West		Old West
136	Qatar	QAT		Islamic East	Islamic East
137	Republic of Korea	KOR	Sinic East		Sinic East
138	Republic of Moldova	MDA	Orthodox East		Orthodox East
139	Romania	ROM	Orthodox East		Orthodox East
140	Russian Federation	RUS	Orthodox East		Orthodox East
141	Rwanda	RWA	Sub-Saharan Africa		Sub-Saharan Africa

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
142	Saint Kitts and Nevis	KNA		Latin America	Latin America
143 144	Saint Lucia Saint Vincent and the Grenad- ines	LCA VCT		Latin America Latin America	Latin America Latin America
145	Samoa	WSM		New West	New West
146 147	San Marino Sao Tome and Principe	SMR STP		Old West Sub-Saharan Africa	Old West Sub-Saharan Africa
148 149	Saudi Arabia Senegal	SAU SEN	Islamic East	Sub-Saharan Africa	Islamic East Sub-Saharan Africa
150	Serbia	SRB	Orthodox East		Orthodox East
151	Seychelles	SYC		Sub-Saharan Africa	Sub-Saharan Africa
152	Sierra Leone	SLE		Sub-Saharan Africa	Sub-Saharan Africa
153	Singapore	SGP	Indic East		Indic East
154	Slovakia	SVK	Returned West		Returned West
155	Slovenia	SVN	Returned West		Returned West
156	Solomon Islands	SLB		New West	New West
157	Somalia	SOM		Sub-Saharan Africa	Sub-Saharan Africa
158	South Africa	ZAF	Sub-Saharan Africa		Sub-Saharan Africa
159	South Sudan	SSD		Sub-Saharan Africa	Sub-Saharan Africa
160	Spain	ESP	Old West		Old West
161	Sri Lanka	LKA		Indic East	Indic East
162	Sudan	SDN		Sub-Saharan Africa	Sub-Saharan Africa
163	Suriname	SUR		Latin America	Latin America
164	Swaziland	SWZ		Sub-Saharan Africa	Sub-Saharan Africa
165	Sweden	SWE	Reformed West		Reformed West

ID	Country Name	Country Code	Welzel Category	Extended Inoguchi/Le Category	Ten Region Category
166	Switzerland	CHE	Reformed West		Reformed West
167	Syrian Arab Republic	SYR		Orthodox East	Orthodox East
168	Tajikistan	TJK		Orthodox East	Orthodox East
169	Thailand	THA	Indic East		Indic East
170	The former Yugoslav Republic of Macedonia	MKD	Orthodox East		Orthodox East
171	Timor-Leste	TMP		Indic East	Indic East
172	Тодо	TGO		Sub-Saharan Africa	Sub-Saharan Africa
173	Tonga	TON		New West	New West
174	Trinidad and Tobago	TTO		Latin America	Latin America
175	Tunisia	TUN		Islamic East	Islamic East
176	Turkey	TUR	Islamic East		Islamic East
177	Turkmenistan	TKM		Orthodox East	Orthodox East
178	Tuvalu	TUV		New West	New West
179	Uganda	UGA	Sub-Saharan Africa		Sub-Saharan Africa
180	Ukraine	UKR	Orthodox East		Orthodox East
181	United Arab Emirates	ARE		Islamic East	Islamic East
182	United Kingdom	GBR	Reformed West		Reformed West
183	United Republic of Tanzania	TZA	Sub-Saharan Africa		Sub-Saharan Africa
184	United States of America	USA	New West		New West
185	Uruguay	URY	Latin America		Latin America
186	Uzbekistan	UZB		Orthodox East	Orthodox East
187	Vanuatu	VUT		New West	New West
188	Venezuela	VEN	Latin America		Latin America
189	Viet Nam	VNM	Sinic East		Sinic East
190	Yemen	YEM		Islamic East	Islamic East
191	Yugoslavia	YUG		Orthodox East	Orthodox East
192	Zambia	ZMB	Sub-Saharan Africa		Sub-Saharan Africa
193	Zimbabwe	ZWE	Sub-Saharan Africa		Sub-Saharan Africa