

Research Essay

A One Hundred Year Horizon of Planetary Peace Propagation: An Embassy of Peace Growth Model

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Abstract

This work deals with the modeling of the growth process for The Embassy of Peace in Whitianga, New Zealand and based on that model, we will be able to derive a set of scenarios for the Peace Propagation Process and the multiplication of Embassies of Peace, both planetary and for Aotearoa-New Zealand. This modeling process is fundamental in understanding the expected contribution and propagation of individual inner peace and its evolution towards social harmony at the levels of the community, the region, the nation and the planet. We produced this document to serve as direction and inspiration in guiding our actions and shaping our future towards the manifestation of planetary peaceful living.

Keywords: Planetary peace, propagation, growth model, Embassy of Peace.

1. General overview of the growth process for a single Embassy of Peace, in our case, the one in Whitianga, New Zealand

The people at The Embassy of Peace together with her Council, share a vision where the propagation of peace from human being to human being becomes vibrant and strong within the next one hundred (100) years, travelling like a wave and propagating the state of inner peace exponentially amongst the members of humanity until a plateau is reached. This is a process that reproduces peace from individual to individual, people to people, community to community, nation to nation, culture to culture and from generation to generation. Following we present an ideal scenario, together with some aspirations to be fulfilled in stages of five (5) years. This scenario was derived from a systemic analysis and mathematical modeling of the Planetary Peace Propagation (PPP) Process [1-2].

In the Stage of 0-5 Years (2017-2021):

Visitors to The Embassy of Peace will acquire a sound understanding of what, in our view, constitutes an Ambassador or Ambassadors of Peace (AoP) and what The Embassy of Peace and the Spiritual Nation of Yisrael stand for [3]. Visitors will be supported to deepen their connection with The Creator and develop their inner peace and personal mastery in diverse

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situations and relationships [4-5]. Our visitors ideally will have an inclination to become Ambassadors or Ambassadors of Peace in order to contribute to the Planetary Peace Propagation Process. A visitor aspiring to join The Embassy of Peace to become a long-term collaborator (“resident”)¹ will need to commit to the mastery of inner peace, together with the ability to clearly articulate and communicate his or her call and actions of peace for humanity.

In the Stage of 5-10 Years (2022-2026):

Through years five (5) to ten (10) we will ideally receive an increasing number of visitors per year, starting with ninety (90) and reaching two hundred (200) by year ten (10), with a net growth of one hundred and ten (110) visitors in five (5) years.

The Embassy of Peace will be consolidated as a learning center, where long-term collaborators (“residents”) are responsible to prepare and deliver talks, seminars, conferences and learning circles in order to inspire our visitors, collaborators, contributors and people in general, to seize the opportunity for spiritual growth and the education of the soul for the expression of individual peace, harmony and joy as the foundation for healthy relationships and social harmony.

In the Stage of 10-15 Years (2027-2031):

We will have established the proper communication channels with heads of state and leaders of different nations in order to inspire, advise and cooperate to create a more peaceful and harmonious social arrangement for the planetary community. We envision travelling and interacting with the people of other nations who are interested and committed to inner peace and social harmony. Ideally we will be able to travel as recognized Ambassadors and Ambassadors of Peace with our own Embassy of Peace travel documents and passport. At this stage, we aspire to communicate and interact with other Embassies of Peace locally and globally, in order to foster together actions that contribute to the Planetary Peace Propagation Process.

In the Stage of 15-20 Years (2032-2036):

We aspire to be in the position to host a diversity of leaders, scientists, artists, philosophers, law makers and scholars amongst others, from different nations and cultures that have a commitment to inner peace and would like to contribute to the Planetary Peace Propagation Process together with The Embassy of Peace. At this stage we will have established thirty three (33) to sixty four (64) huts to host visitors on the land at The Embassy of Peace in Whitianga, New Zealand. These

¹ For practical purposes and only in the context of this document and its meaning, we will refer to them as “residents”, never to be confused with the legal term resident associated with a person establishing domicile or permanent residence.

visitors will be assisted in different ways by thirty three (33) to fifty nine (59) residents through the years fifteen (15) to twenty (20) respectively.

In the Stage of 20-25 Years (2037-2041):

At this stage, we will ideally be in the position to support and facilitate the establishment of a larger number of Embassies of Peace in other nations, in order to strengthen the presence of peace and to prepare for a lasting era of planetary social harmony that will allow humanity to enjoy the achievement of an ideal future without borders and without the need for armies with their associated technologies for war. We will actively participate together with nations and cultures in the fulfillment of their own prophecies or plans for peace.

In the Stage of 25 Years Onward (2042 onwards):

The Embassy of Peace continues to expand for about another twenty (20) years when the expansion will reach a plateau which lasts between fifteen (15) to twenty (20) years. In the next fifty (50) years the process of growth will repeat itself until a second plateau is reached.

We foresee different scenarios of actions to facilitate the propagation of peace, the emergence of new Embassies of Peace in different regions and locations of the planet and the resurgence of the Spiritual Nation of Yisrael with her ancient call to be the Light unto all nations in the so much awaited Messianic Era.

Amongst other things we modeled and simulated the short-, mid- and long-term evolution of this process in order to quantify the growth in the number of Ambassadors and Ambassadors of Peace for: (a) The Embassy of Peace in Whitianga, New Zealand, (b) Embassies of Peace in different locations within Aotearoa-New Zealand and (c) Embassies of Peace in different locations around the planet.

Our initial model starts with ten (10) Ambassadors and Ambassadors gathered at The Embassy of Peace in Whitianga, New Zealand and through a set of equations that we devised together, we set in motion the dynamics [6-8] of some aspects of this process which are relevant to us at this stage, for example, the number of huts, number of visitors per year, long-term collaborators (“residents”) and the number of Ambassadors and Ambassadors of Peace that turn into long-term collaborators each year. Once we gathered the outcome of these simulations we were equipped to represent graphically a possible scenario which to us at this stage could be likely to happen.

This model serves as a platform to be reproduced in a similar manner in different locations, both within the land of Aotearoa-New Zealand and the rest of the planet, allowing us to model a scenario of Planetary Peace Propagation.

2. Seminal model of growth and significant future events for The Embassy of Peace in Whitianga

Visitors, Collaborators and Long-term Collaborators

The model is based on the service that Ambassadors and Ambassadors of Peace who are collaborating with The Embassy provide to the visitors. In time this service, which is mainly spiritual yet also intellectual, serves as a learning process to inspire and support visitors to find inner peace and establish a direct relationship with The Creator when desired. Some of the relevant assumptions made about the parameters are:

1. The value associated with the fraction of growth of visitors per year which is conditional to the number of visitors' huts available.
2. The carrying capacity associated with the space available to The Embassy of Peace which limits the number of huts to a healthy maximum, which in turn limits the maximum of visitors, collaborators and long-term collaborators that the land can sustain.
3. The two cycles of growth of fifty (50) years each with a plateau in between, where each cycle is governed by the logistic function [9] and where the second cycle is set to begin in year sixty five (65).
4. People per hut per year, a rotation factor, that we set with the value of twelve (12), which means that each visitor will enjoy a one (1) month stay on average in a hut designated for him or her.
5. A fraction of the visitors per year is also set to model the growth in the number of Ambassadors and Ambassadors of Peace, which means the rate at which new Ambassadors and Ambassadors of Peace will emerge. This process is modeled in a way that is fast in the beginning and then slows down.
6. The number of Embassies of Peace that are established over the simulated years can be modeled in three (3) different ways: (a) a constant number, (b) a linear growth and (c) a logistic function growth process.

Dwellings

Visitors' and Collaborators' huts are gradually established over the years according to carrying capacity and a sustainable rate of growth. Long-term Collaborators' huts are gradually established over the years as a fraction of the visitors decide to become long-term collaborators.

Communication and interaction with heads of state and leaders in general

After a number of years, when enough Embassies of Peace are established and the Ambassadors and Ambassadors of Peace in service at The Embassy of Peace in Whitianga will have matured enough, the communication and interaction with heads of state and leaders in general will also have evolved and matured so that The Embassy will have full recognition as a Sovereign Body of Ambassadors and Ambassadors of Peace.

3. Explanation of modeling results

Following in Figure 1, we present some of the most relevant results obtained with the simulation models for a horizon of one hundred (100) years of the evolution of The Embassy of Peace in Whitianga. It is important to note that at the end of twelve (12) years The Embassy of Peace will have established around twenty two (22) visitors' huts and this can be derived since we have established the relationship of one (1) hut per visitor and one (1) hut per long-term collaborator. Similarly we reach a number of twenty five (25) long-term collaborators for a ratio of 1.14 residents per visitor. Note that this ratio starts with a value of three (3) and it oscillates reaching a minimum of about 0.9 at around twenty five (25) years and then rises again until the next maximum value of about three (3) is reached at around year ninety three (93). It is important to also note that this ratio serves as an indicator of the quality of the service provided by The Embassy where we have at least one Ambassador or Ambassador of Peace per visitor and at most three (3) Ambassadors and Ambassadors of Peace per visitor. This number overall is a very comfortable scenario, where visitors enjoy the necessary attention from the Ambassadors and Ambassadors of Peace on the land.

From Figure 1 (top) we can also derive a clear picture of the evolution for both the number of long-term collaborators ("residents") and visitors on the land at the end of each year for a horizon of one hundred (100) years. Note that the growth is pretty slow in the beginning and then after year twenty (20) it starts to accelerate, reaching a plateau of one thousand (1000) long-term collaborators and five hundred (500) visitors for a ratio of around two (2) "residents" per visitor. The process will then enjoy a period of around fifteen (15) years with a comfortable scenario for supporting visitors by providing them with high quality attention and a high quality of space. During those years the Ambassadors and Ambassadors of Peace that are on the land as long-term collaborators will be able to support the establishment of other Embassies of Peace around Aotearoa-New Zealand and around the globe, and to properly prepare for the next cycle of growth. Finally, everything going according to this scenario, with its set of assumptions, The Embassy of Peace will reach a maximum of two thousand (2000) long-term collaborators and around six hundred and fifty (650) visitors per year for a ratio of ~3.1 "residents" per visitor. This final stage would allow for more growth of visitors, up to one thousand (1000) visitors to

maintain a very high quality of space and attention to visitors, with a maximum of three thousand (3000) huts within the boundaries of The Embassy of Peace land space, and still be able to preserve the natural environment and its diverse richness and beauty all around the land given in care to The Embassy of Peace.

Scenario of Growth for 100 Years, The Embassy of Peace, Whitianga

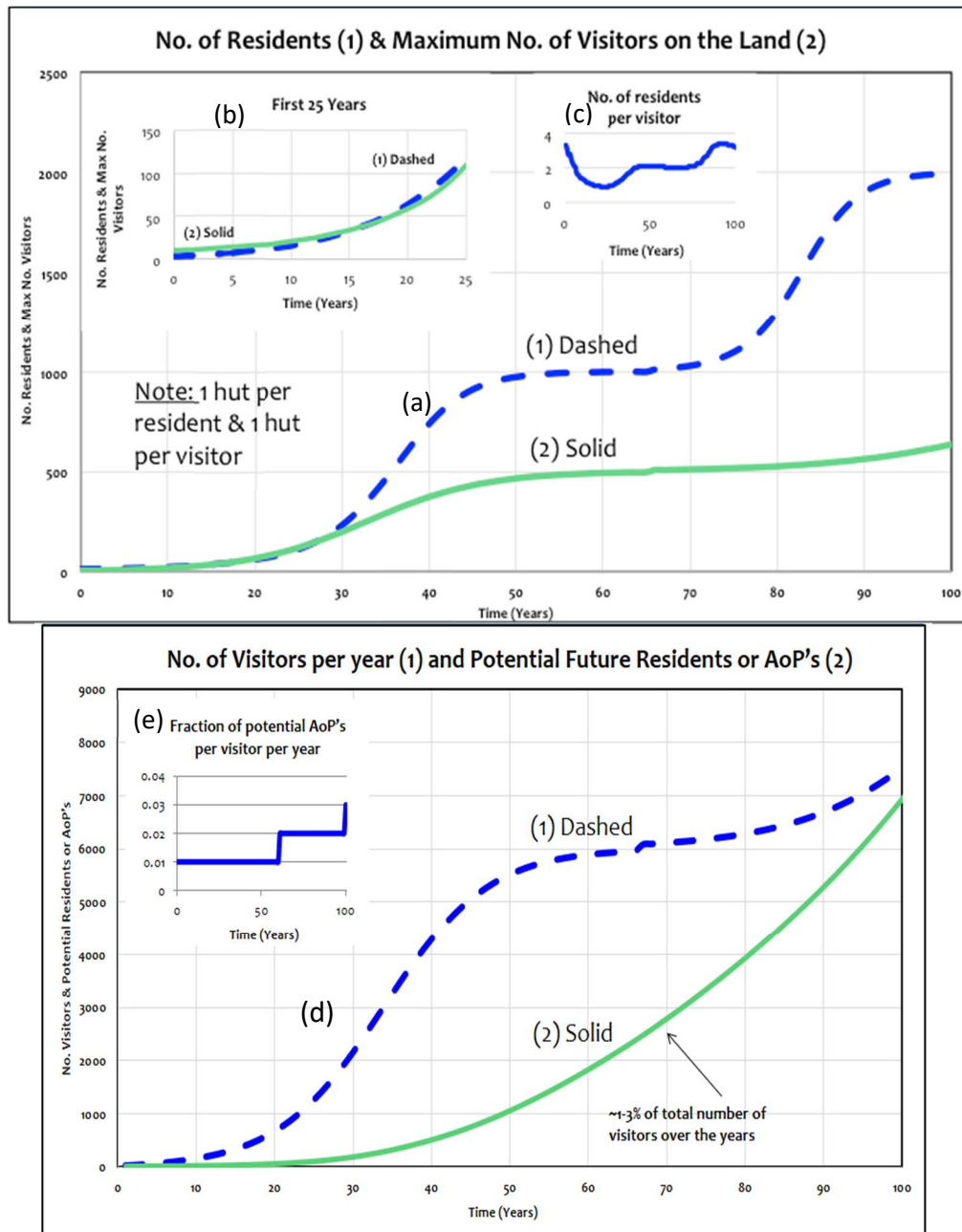


Figure 1 - Top: (a) No. of long-term collaborators and maximum number of visitors on the land, (b) first twenty five (25) years (small left graph), (c) No. of long-term collaborators per visitor. Bottom: (d) No. of visitors per year and potential future long-term collaborators, and (e) the proportion of visitors who will potentially become AoP's.

From the bottom graph in Figure 1, we derive the number of visitors per year and potential future long-term collaborators (“residents”) or Ambassadors and Ambassadors of Peace. Since the future Ambassadors and Ambassadors of Peace are a fraction of the visitors per year we can see that there is a steady exponential growth of the numbers of potential Ambassadors and Ambassadors of Peace, some of whom will stay at The Embassy of Peace as long-term collaborators contributing to the growth of The Embassy, and the rest will be potentially to the service of peace wherever they will go.

It is important to note that in graph (e) we have modeled the fraction of potential Ambassadors and Ambassadors of Peace per visitor per year with a step function that shows a pattern of growth in different jumps (the rate of growth) of Ambassadors and Ambassadors of Peace per year, something we observe in the graph when we compare it to the number of visitors and is evident in the change in shape of this growth process. Note also that the number of potential Ambassadors and Ambassadors of Peace is the result of an accumulation of a fraction of the visitors per year. Now we can move on with a model that can be replicated in a similar manner to produce the evolution of the number of new Embassies of Peace and therefore the evolution and growth pattern of Ambassadors and Ambassadors of Peace in both Aotearoa-New Zealand and the planetary realm.

4. Peace Propagation Process in Aotearoa-New Zealand

The scenario of growth for Aotearoa-New Zealand was computed based on the seminal model of Whitianga, where Embassies of Peace grow according to different possible growth processes. The first one served as a base line to compare the other two, whereby, we imposed a number of fourteen (14) Embassies of Peace already established at the beginning of the simulation and operating for the next one hundred (100) years. Though unrealistic since these Embassies are yet to be established and it will take several years to do so, this scenario allows us to set a maximum for this growth process within the context of the set assumptions. The two (2) other growth processes were modeled as illustrated in Figure 3 (top right, graph ‘b’) by: 1) a linear process imposed on the growth factor and 2) a logistic function type of growth. Let’s first have a look at the scenario for Aotearoa-New Zealand in Figure 2.

Scenario of Growth for 100 Years for 14 Embassies of Peace in Aotearoa-New Zealand

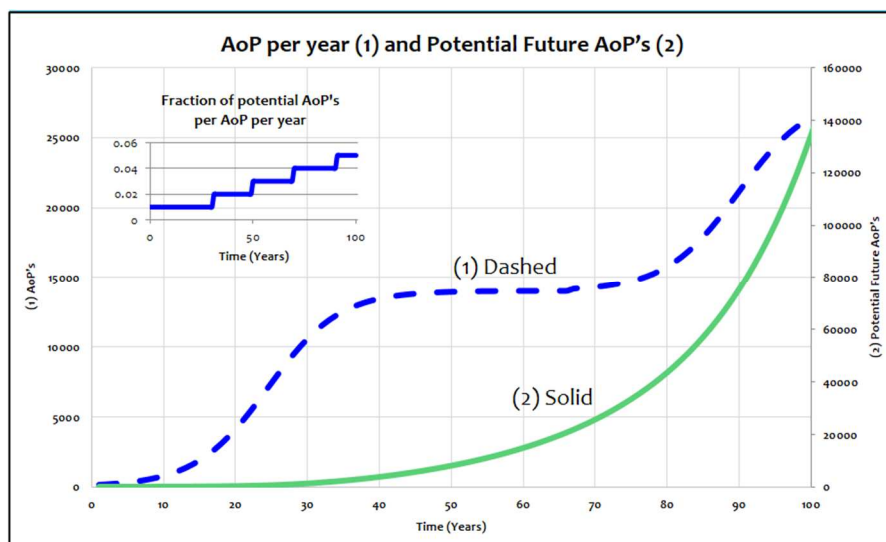


Figure 2: No. of Ambassadors and Ambassadors of Peace (AoP) per year and potential future long-term collaborators or potential AoP's per year for Aotearoa-New Zealand.

These results illustrate a similar growth pattern as expected since the assumption that the different Embassies which are established in different locations would follow the same seminal model's tendency. However, the number of Embassies of Peace on the land of Aotearoa-New Zealand increases each year causing also an increase in the number of long-term collaborators or Ambassadors and Ambassadors of Peace, together with the potential number of Ambassadors and Ambassadors of Peace (as observed both in Figure 2 and in Table 1).

Table I

Year	No. of AoP's	No. Potential AoP's
25	8106	679
50	13,938	8,553
75	14, 874	35, 171
100	26, 703	142,486

The numbers in Table I show a promising future, wherein one hundred (100) years there would be 26,703 Ambassadors and Ambassadors of Peace (AoP's) at service in Aotearoa-New Zealand, together with 142,486 potential AoP's living in different locations on the land of Aotearoa-New Zealand, each having mastered a certain level of inner peace, and perhaps many of them, also already established in themselves as AoP's. These numbers give us a ratio of around 0.006 AoP's per inhabitant or 0.6% of the population if we assume no growth in the

population of New Zealanders. However, considering the demographics of Aotearoa-New Zealand we expect a growth of around five (5) million people in Aotearoa-New Zealand in one hundred years (100) and that would mean that around 0.3% of the population would be established as AoP's. If we consider that a fraction (10%) of the potential AoP's would also be ready to commit to the call then around 0.4% of the population of Aotearoa-New Zealand would have been established in themselves as AoP's in the next one hundred (100) years. We foresee that for the next two (2) years the following activities will be necessary to achieve the landmarks for growth: (a) Aotearoa-New Zealand tour (2018-2019), (b) seminars and conferences, (c) distributions and publications, (d) learning circles at The Embassy of Peace, (e) learning circles online, (f) spiritual learning circles and meditations, (g) interaction with visitors, collaborators and contributors and (h) development of more scenarios and accurate databases to the study and use of Peace Propagation models for Aotearoa-New Zealand.

5. Planetary Peace Propagation Process

The scenario of growth for the planetary realm was also computed based on the seminal model of Whitianga where Embassies of Peace grow according to different possible growth processes. As stated above, the first one served as a base line to compare the other two (2), whereby, we imposed a number of nineteen thousand six hundred (19,600) Embassies of Peace already established at the beginning of the simulation and operating for the next one hundred (100) years. Again, this is unrealistic since these Embassies are yet to be established and it will take several years to do so, however, this scenario allowed us to explore a maximum for this growth process within the context of the set of assumptions and compare it to two (2) other more realistic scenarios of growth as illustrated in Figure 3, where in the small graphs at the top right, (b) & (c), it is shown: 1) a linear process imposed on the growth factor together with a logistic function type of growth and 2) the evolution of the number of AoP's associated with these growth patterns. The numbers in Table II (below) also show a promising future where after one hundred (100) years there would be 37,383,877 AoP's at service in the planetary realm, together with 199,496,277 potential AoP's living in different locations in the planet, having mastered inner peace to a certain level, and perhaps many of them, also already established in themselves as Ambassadors and Ambassadors of Peace.

Scenario of Growth for 100 Years for 19,600 Planetary Embassies of Peace

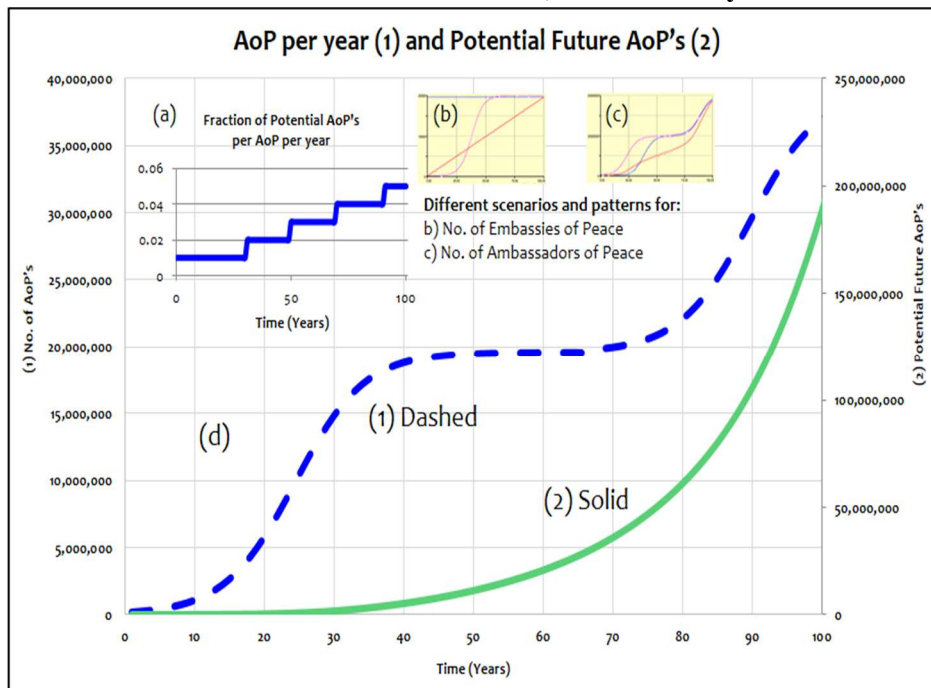


Figure 3. No. of Ambassadors and Ambassadors of Peace per year and potential future long-term collaborators or potential AoP's per year for the planet. Top left small graph: (a) linear growth pattern for the fraction of potential AoP's per AoP per year. Top right small graphs (b) and (c): (b) Number of Embassies of Peace per year and (c) Number of AoP's per year.

Table II

Year	No. of AoP's	No. Potential AoP's
25	11,379,201	948,689
50	19,514,145	11,976,358
75	20,823,520	49,244,599
100	37,383,877	199,496,277

Considering the demographics of earth inhabitants we expect a growth of around 3.7 billion people which would put earth's population on the mark of 11.2 billion people in one hundred (100) years. When we also consider that 10% of the potential Ambassadors and Ambassadors of Peace would also be ready to commit to their call, then around 0.5% of the population of the planet would have been established in themselves as Ambassadors and Ambassadors of Peace in the next one hundred (100) years.

It is interesting to note that how we get there in one hundred (100) years will be different for the different growth scenarios of established Embassies of Peace where we observe that for the linear process we will have a slower growth than for the logistic one and certainly both of these show slower growth than the unrealistic imposed 19,600 Embassies of Peace from the beginning of the simulation (see Figure 3, top right small graphs (b) and (c)). It is also important to note that while the number of AoP's experiences a plateau between the 50th and 65th year, still under these two (2) scenarios of growth (linear and logistic) the number of AoP's continues to grow steadily, however, at different speeds and patterns, due to the nature of the different processes of growth for The Embassies of Peace. During the plateau of fifteen (15) years the already established Embassies can and should be able to use this period of leisure to support the establishment of other Embassies, as well as the internal process of growth for each Embassy to prepare for the next growth cycle of fifty (50) years.

The participants of the vision process at The Embassy of Peace in Whitianga, New Zealand have also determined that in order to contribute to the establishment of new Embassies of Peace on the planet, members of The Council will accomplish the following activities: (a) Europe and United States tour (2017), (b) visits, gatherings, seminars and conferences, (c) website and access to printed support material, (d) learning circles online and (e) meetings with collaborators and contributors.

6. Planetary Peace Propagation Process, a possible spatial temporal pattern in the planetary arena based on prophetic heuristics and educated guesses informed by modern demographics

In this section we explore the process of Peace Propagation and Spiritualization of the planetary realm by the agency of AoP's each of whom will act as a catalyst for the growth process of others towards individual inner peace. Based on our previous statistics and models we have estimated that, given a certain level of commitment to growth and frequent interactions with one or more Tzadikim or Tzadikot, it takes an average of ten (10) years to become such a Tzadik or Tzadikah [10], or in other words, an Ambassador or Ambassadors of Peace.

Also, based on Prophetic Scriptures concerning some heuristics about the ratio by which common people will join on a spiritual journey, together with holy people that serve The Creator who never leaves them, we allude to the words of *Zechariah* (8:23) who states:

Adonai-Tzva'ot says, 'When that time comes, ten men will take hold – speaking all the languages of the nations – will grab hold of the cloak of a Jew and say, "We want to go with you, because we have heard that God is with you."² [11]

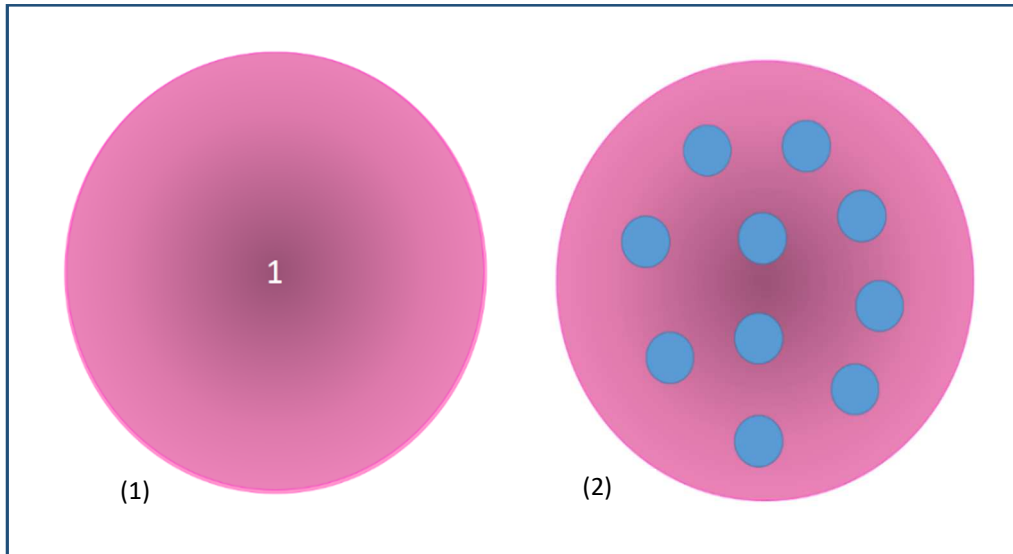
*This says תזית tzevaoth; In those days it shall come to pass, that ten men shall take hold out of all languages of the nations, even shall take hold of the tzitzit of him that is a Yahudi, saying, We will go with you: for we have heard that Elohim is with you.*³ [12]

In our view, this process already started with some members of cultures like India and Ancient Israel and continues today by the agency of holy people and their lives as described by wise men and women of different cultures [13-15]. These are the Holy and Righteous souls in each generation who have attracted to themselves others to grow with them, and when the hand of The Creator will bring them together with the House of Yisrael, the Ten Lost Tribes and other members of humanity, these prophecies will apply to humanity and the modern descendants of the ancient Israelites. They are the descendants of the Twelve Tribes of Yisrael who have re-established the eternal covenant, to be a Holy Nation of Priests and Priestesses as prescribed in *Shemot* (Exodus 19:5) or as prescribed by *Yesha'Yahu* (Isaiah 42:6, 49:6), to be the Light unto all nations to bring Salvation to them, guided by the hand of The Creator, people who will be awakened and gathered according to the message of the prophets and as described in [3]. This resurgence of the Israelite Nation (The Spiritual Yisrael), will welcome and include any holy, saintly or righteous human being existing on the planet. Each spiritually awakened member of this nation could be expected, in prophetic time, to be followed by ten (10) people who will be willing to grow spiritually with them. So, it is conceivable that the ratio of 1:10 established in the words of the Prophet *Zechariah* 8:23 could apply to the process of Planetary Peace Propagation. Let's explore the power and simplicity of these words and its associated heuristics for the multiplication of the holy or saintly people amongst the members of humanity.

We start with one (1) AoP, Tzadik or Tzadikah (represented in Picture 1, below, by the pink circle), who in turn will facilitate and bless with frequent interactions, ten (10) committed people (represented below by the blue circles) to be transformed in a period of ten (10) years to become, Tzadikim and Tzadikot, AoP's themselves as shown in Picture 1. In this picture the original Tzadik or Tzadikah, associated with number one (1) brings close to his or her sphere of consciousness and existence the ten (10) people represented inside his or her sphere by small blue spheres within it, as shown in Picture 1, by number (2).

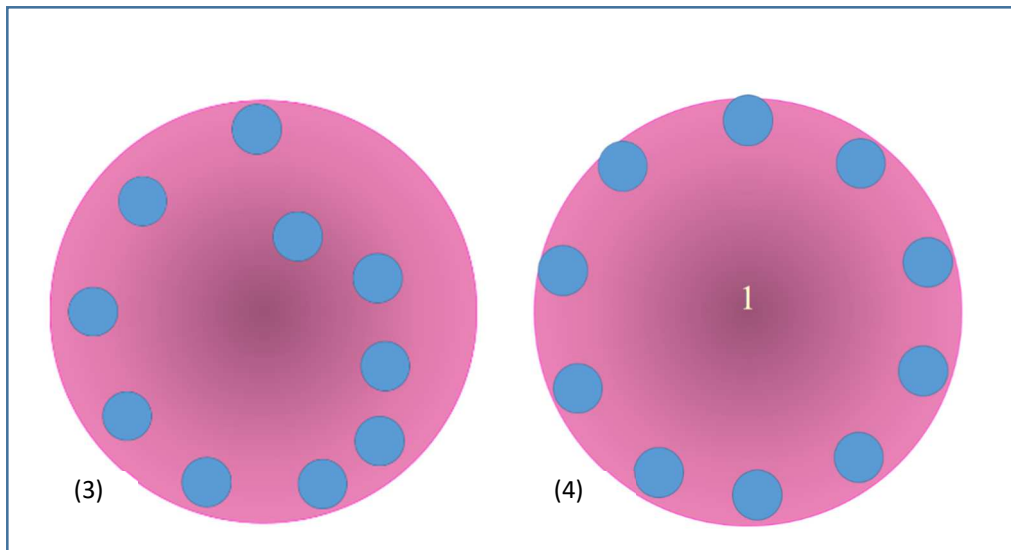
²Complete Jewish Bible refers to Jew, a man of the Tribe or House of Yehuda, a 'Yahudi' (from Hebrew).

³Restoration Scriptures True Name Edition clarifies the name 'Yahudi' even further with the word 'tzitzit' instead of cloak. Note that 'tzitzit' are the fringes attached to the 'Talit' (prayer mantle).



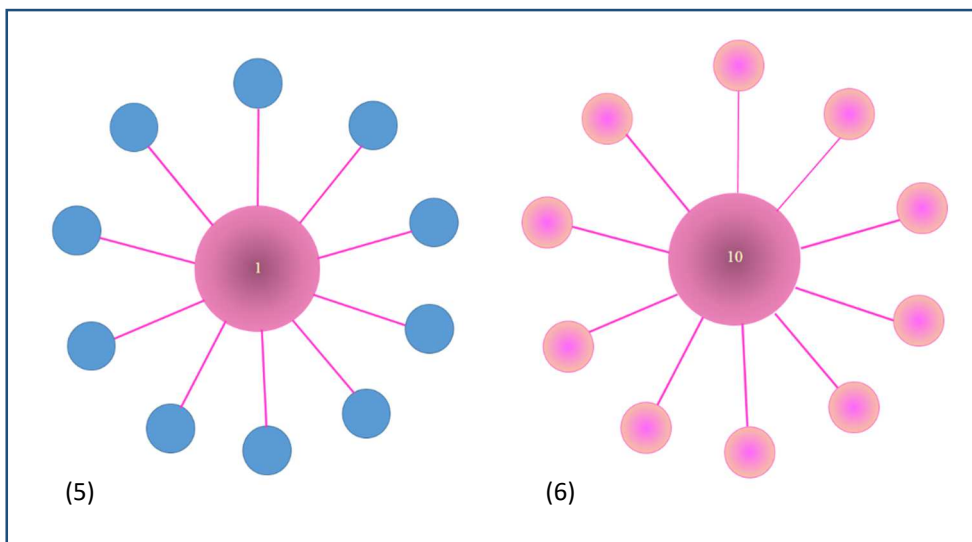
Picture 1: Sphere (1) on the left represents the initial Tzadik or Tzadikah, while Sphere (2) on the right represents the Tzadik or Tzadikah in Sphere (1) who has included ten (10) people in his or her sphere of consciousness. This starts to catalyze a transformation of consciousness for each of these people (represented by small blue spheres) that in average will take around ten (10) years in this model.

As people develop spiritually within the sphere of consciousness of this Tzadik or Tzadikah they start to expand and migrate from their own consciousness closer to the borders of the sphere of consciousness of the original Tzadik or Tzadikah as portrayed in Picture 2, Spheres (3) and (4).



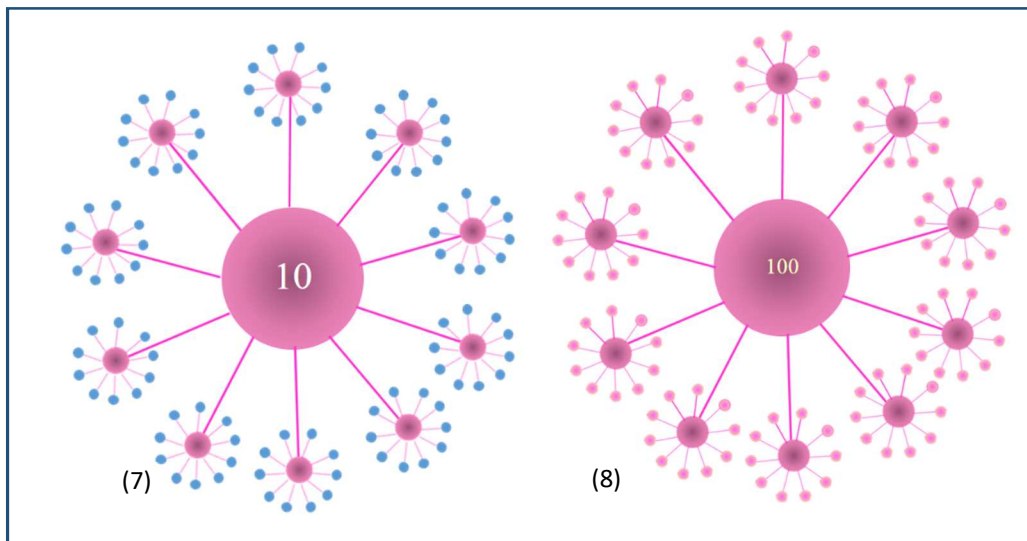
Picture 2: Sphere (3) on the left represents the initial expansion of consciousness of the ten (10) people that are included within the sphere of consciousness of the Tzadik or Tzadikah, and that gradually are approaching the borders of the sphere of consciousness of the Tzadik or Tzadikah as depicted in Sphere (4) on the right.

At this stage the people associated with the original Tzadik or Tzadikah are close to making a transition to become Tzadikim and Tzadikot themselves, as portrayed in Picture (3).



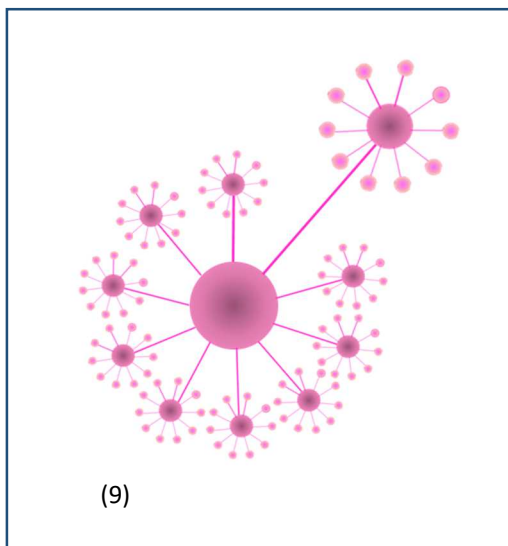
Picture 3: Sphere (5) on the left represents the ten (10) people that were initially under the sphere of consciousness of the initial Tzadik or Tzadikah and now are left to consolidate their affinity and proximity with God’s Consciousness outside of the sphere of consciousness of the original Tzadik or Tzadikah, however, still in relationship with him or her. At the end of the tenth year they will all become Tzadikim and Tzadikot themselves as shown in the right Sphere (6) where all the people are now represented by the same color (pink) of the original Tzadik or Tzadikah.

Now the process starts to replicate from generation to generation and will until the tenth generation depicted by Picture 4 to Picture 8.

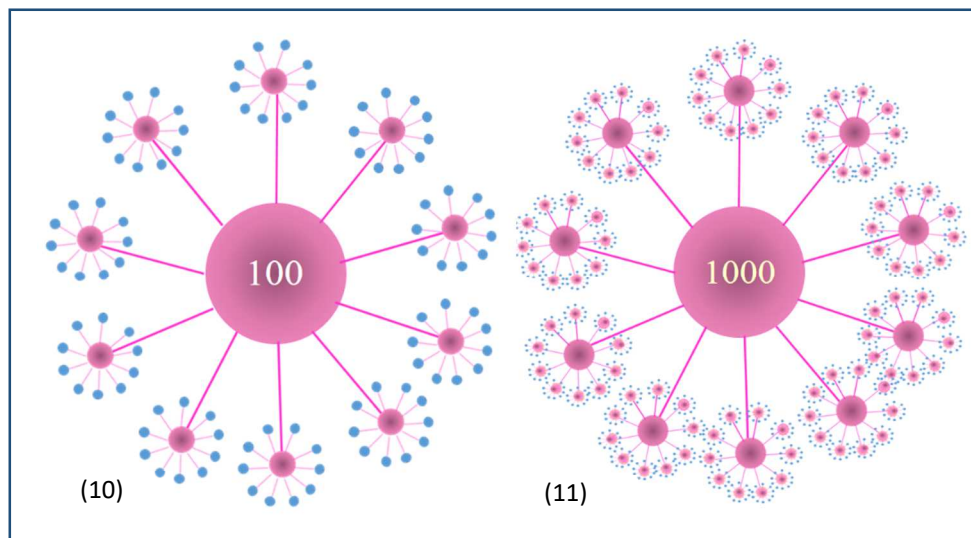


Picture 4: Illustrates the second generation of the process.

Spheres labeled (7) and (8) represent the replication of this process for the next ten (10) years where we arrive at one hundred (100) additional Tzadikim and Tzadikot on top of the ten (10) that were transformed in the sphere of consciousness of the original Tzadik or Tzadikah for a total of one hundred and eleven (111). Now, the process is ready to continue self-replicating for the next ten (10) years, a new generation of Tzadikim and Tzadikot, as Picture 5 portrays.

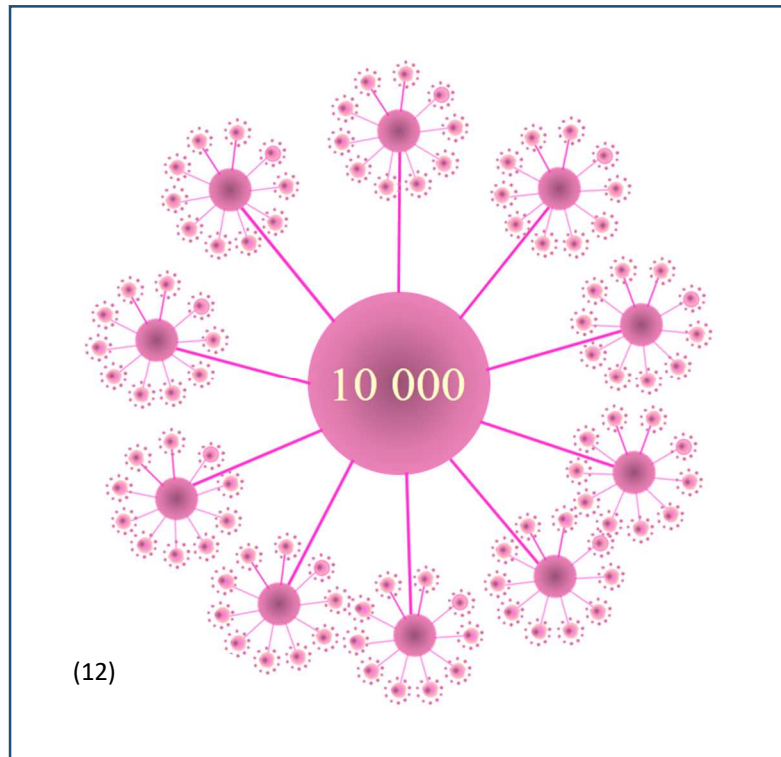


Picture 5: Sphere (9) depicts the readiness for the process to continue propagating and multiplying by a factor of ten (10) per new Tzadik or Tzadikah. Note, the enlarged sphere on the top right will serve as the starting point for Picture 6 due to visual accessibility, however, for the calculations the reader should keep in mind that the same transition illustrated in Picture 6 for the enlarged sphere is simultaneously happening for all of them.



Picture 6: depicts the transition process to a third generation of people who in ten (10) years will be transformed.

In Picture 6 we can observe the end of another ten (10) year process of transformation of people represented by the small blue spheres labeled (ten of them) in the picture, until they transform into an additional thousand (1000) Tzadikim or Tzadikot with their respective new ten (10) people associated to each of them, labeled (11) in Picture 6.

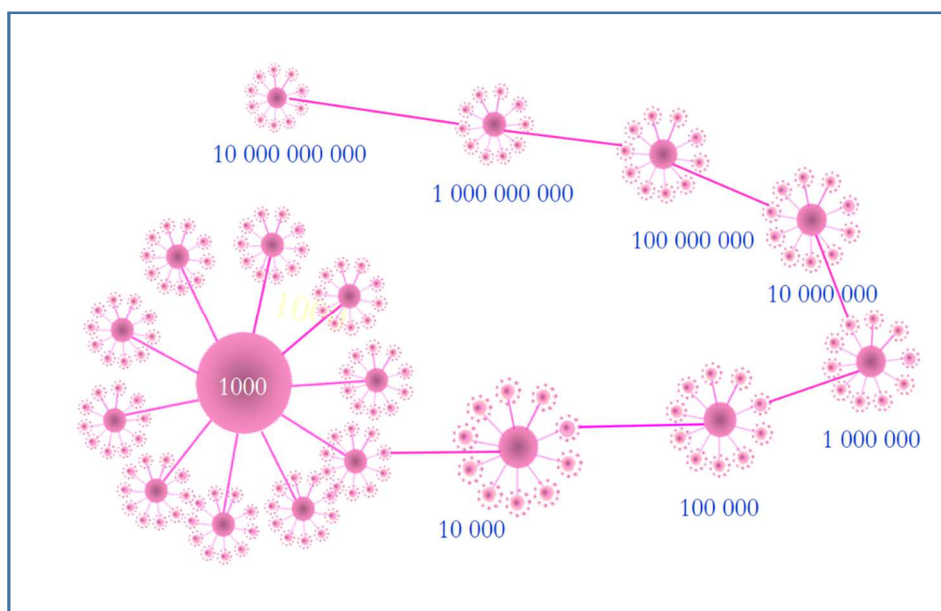


Picture 7 represents the third generation of Tzadikim and Tzadikot. Note, every most outward pink circle can be seen as if the familiar ten (10) blue circles are around it, however, due to scale and visual accessibility, they are graphically absent and need to be added in the reader's imagination.

In Picture 7 we observe the readiness for a new period of ten (10) years of transformation, catalyzed by the 10,000 new Tzadikim and Tzadikot together with the ten (10) people associated to each of them. In Picture 8 we can clearly see the progression of this self-replicating process from the 3rd to the 10th generation. It is important to note that by the end of the 8th generation, around seventy (70) years after the original Tzadik started the process, the population of Tzadikim or Tzadikot reaches the number of 111,111,111. If we consider the demographics of the planet in seventy (70) years, the number of Tzadikim and Tzadikot alive amongst humanity, provided none of them are disembodied, will be around 1% of the total planetary population which is expected to be around 11 billion people.

From our experience at The Embassy of Peace in Whitianga this percentage relates to the number of people who committed to stay and grow as AoP's in the last twenty (20) years which

is around ten (10) people out of three thousand (3,000) visitors in twenty (20) years, this means around 0.3% of the population of visitors in twenty (20) years which is smaller than the prophetic heuristics, where the 1% is reached in seventy (70) years. However, we expect a compound effect on the percentage (0.3%) when calculated for a period of seventy (70) years together with the fact that this may be different for different regions. For the sake of this exercise, later on we will take the ratio to be 1:70 (approximately 1.4%) which is greater than 0.3% and slightly greater than 1% due to compound effects and potential contributions via the Noosphere [16], making it a slightly more optimistic scenario of growth.



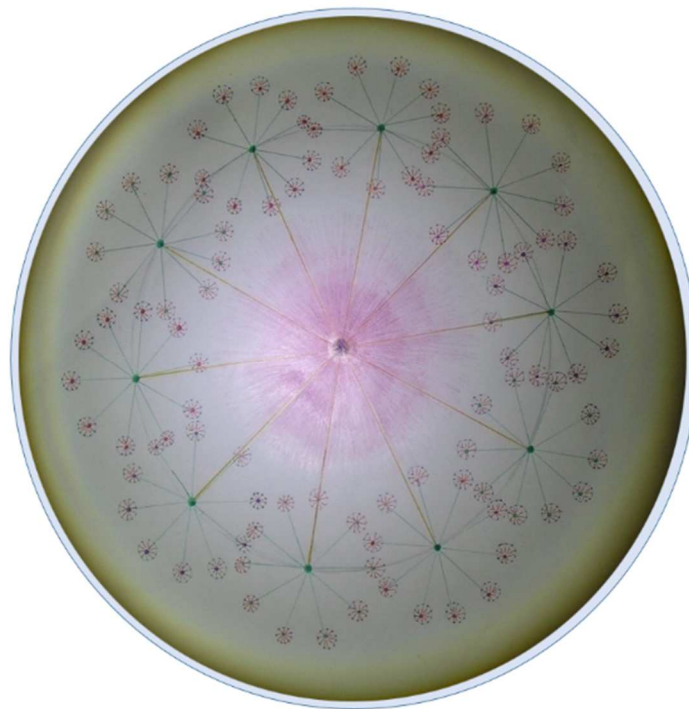
Picture 8: Depicts the last eight (8) generations of this self-replicating process.

After ten (10) generations we end up with an incremental process of powers of ten (10) which reaches 11,111,111,111. This number approximately represents the projected population of all human beings on earth in eighty three (83) years (11.2 billion), meaning almost all the population will be holy in one hundred (100) years based on the assumptions of this heuristic model.

Year	New AoPs per generation
	1
10	10
20	100
30	1000
40	10 000
50	100 000
60	1 000 000
70	10 000 000
80	100 000 000
90	1 000 000 000
	<hr/>
	11 111 111 111

Picture 9: New AoP's (Tzadikim and Tzadikot) per generation for a total of 11,111,111,111.

Following in Picture 10 we can appreciate a representation of this exponential growth process.



Picture 10: A graphical synthesis of the above described process in Pictures 1-8, where a Tzadik or Tzadikah (in the center) supports ten (10) others to become holy, and in turn each of these ten (10) support a further ten (10) people to become holy; the propagation continues exponentially with a delay of ten (10) years between generations.

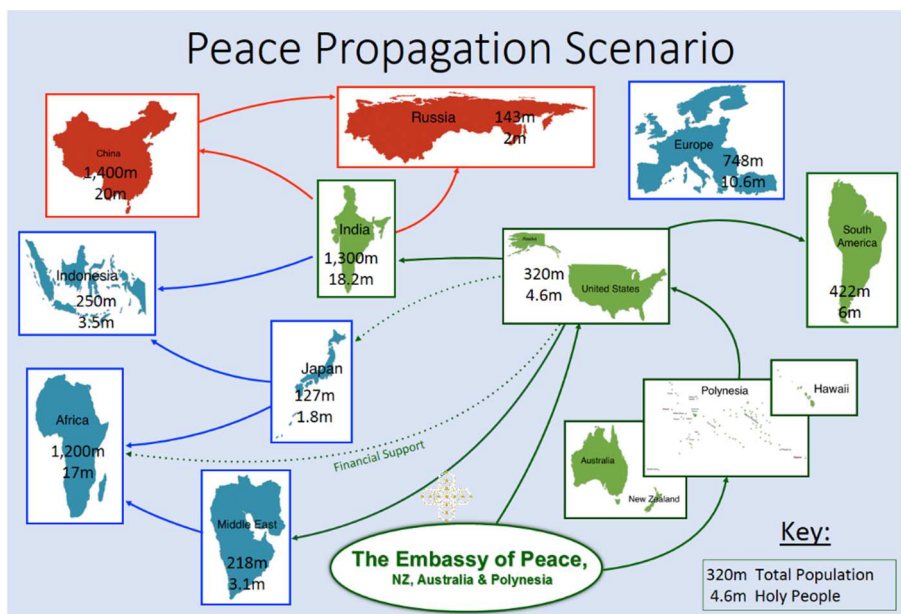
At this stage, it is important to note that a similar process of growth has happened at least to our knowledge for two (2) communities in India (Dera Baba Jaimal Singh and Auroville) [17-18] which started with one Tzadik each and also a Tzadikah in the case of Auroville and in periods between 50-70 years have grown significantly. However, the particular parameters of growth are unknown to us at this stage and some of the ideals of the founders are still to be achieved.

Finally, we ask the question of how this process would propagate around the globe and in which order over the next one hundred (100) years. Following we present a possible spatial temporal pattern, a scenario based on our best prophetic heuristics, together with our initial growth population models and a set of educated guesses and intuitions for the Planetary Peace Propagation Process. Our Peace Propagation scenario as depicted in the diagram in Picture 11 shows how Peace could propagate around the whole planet aided by The Embassy of Peace in Aotearoa-New Zealand. We conjecture that the region that has the most potential for transformation towards individual inner peace, should be based on Maslow's Hierarchy of Needs and Being or B-Values [19-20], whereby once the basic survival needs are fulfilled, the human being is ready to aspire to the fulfillment of his or her sublime needs related to aesthetic and spiritual values.

The people of such a region should be in the position to support others in different regions, in order to contribute to the fulfillment of both spiritual and physical needs, therefore propitiating a rhythmic balanced interchange between people in different regions. In this regard, to start with, we foresee that those regions would most likely be Oceania, Polynesia and the United States of America together with Canada. From the actions of peace by people from these regions, it follows that other people in areas like South America and India would benefit spiritually and materially. We also consider that the people of the United States of America would be positioned to assist the material and spiritual development of the African people. The people of the Middle East and Japan could be assisted at a later stage also by the people of Oceania, Polynesia, the United States of America and Canada. Japan together with the Middle East would then more likely assist the material and spiritual needs of the Indonesian people.

We foresee that India would contribute to the spiritual reawakening of the people of China who already have a deep rooted spiritual tradition and moral code of conduct, as well as being a population who is appreciative of inner harmony and peace. In turn the people of China would combine altruistic service with India to eventually assist spiritually the people of Russia. It is important to note that Europe remains a riddle in this process since it is a region comprised of people with very strong traditional Christian monarchies, as well as being extremely secular and materialistic. This could be beneficial in a material sense yet stagnating on the spiritual level. However, the region still remains with a great potential for spiritual transformation that could possibly be ignited by the people of Germany and Scandinavian countries in conjunction with Wales and Scotland. This is a possibility that can be actualized since most of the people in those

nations have access to travel and often visit countries like Aotearoa-New Zealand, Canada, Australia and the United States of America.



Picture 11: shows the flow in the propagation of peace from region to region, aided by The Embassy of Peace. The top numbers provided with each region are the current total populations, whilst the bottom numbers indicate the number of holy people needed to transform the whole population, based on a ratio of 1:70 Holy People / Total Population. Regions in green are the highest in Maslow’s Hierarchy of Needs and B-values achievement followed by regions in blue and then those in red.

The numbers in the following table represented in the map of each region, show the total population and the number of AoP’s, Tzadikim and Tzadikot, needed to transform the region according to our prophetic heuristic assumptions, whereby, 111,111,111 AoP’s are required to catalyze the transformation of the planetary population which, as stated before, is expected to be around eleven billion people in seventy five (75) years. It is important to note that this represents around 1% of the total planetary population which is reached in a similar amount of time (70 years). It is also important to note that this tendency would lead to the complete spiritualization of the planet in one hundred (100) years according to this model.

	Total Population (Millions)	Holy People (Millions)
China	1,370	20
India	1,270	18
Africa	1,180	17
South America	780	11
Europe	740	11
USA	320	5
Indonesia	250	4
Russia	140	2
Japan	120	2
Middle East	220	3
Rest of World	880	13
Totals	7,270	104

Table 3: The number of holy people needed in each region, for the whole population of that region to transform to holiness (calculated in a ratio of 1:70, 1 holy person per 70 people).

Finally, based on our Planetary Peace Propagation Model and planetary demographics, the number of AoP's would be seventy (70) million actualized AoP's, plus potential AoP's to a population of around 11 billion people which comes to a percentage of 0.63%, which is still close to 1%. This could be taken as the minimum percentage to spiritualize the planet in around one hundred (100) years.

7. Conclusion and Future Perspective

We have presented an exercise to explore how Embassies of Peace could multiply and propagate around the planet. We have made a set of educated assumptions that led to a scenario showing that our humanity could achieve a great stand of individual inner peace per capita fostering a greater social harmony in between seventy (70) to one hundred (100) years. We have also described a possible flow of contribution and altruistic service to peace from region to region where regions with a higher standing in Maslow's Hierarchy of Needs could support both spiritually and materially the ones with a lesser standard. The process of PPP here described can be scientifically studied as a unification process within diverse cultures and nation states where synthesis and differentiation are seen as complementary in achieving the ideal of planetary peace where the evolution of consciousness and culture is facilitated by both individual and cooperative action [21].

Without a doubt, so far for us, this is a feasible undertaking and one that brings hope to the future of humanity as a whole. Perhaps it is also time to rethink which kind of economic arrangements that include actions of kindness as the basis for economic development, should manifest in our near future.

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