

U.A.C. (URBAN AGRICULTURAL COOPERATIVE) DEVELOPMENT MEMORANDUM

Executive Summary

The Purpose of this funding request is to assist in developing and implementing a number of projects focused on minimising the potential financial and personal impacts of the current pandemic (Corona Virus) on the global community.

The key areas that I am looking to address as a matter of urgency are listed as follows:

1. Food Security
2. Creating localised economies and structures
3. Creating Jobs
4. Creating long term sustainable communities
5. Insuring a safe and stable society for all
6. Re-education of society so that they are more actively involved in food production and the environment.
7. Reduction in anti-social behaviour
8. Reducing carbon emissions
9. Providing food and shelter for those in strife

The proposed method of addressing items 1-9 is by creating a local and global co-operative namely the U.A.C (Urban Agricultural Co-operative) with its core focus being the production of raw produce to feed the members and generate income from the sale of excess produce.

Initially the focus will be on ensuring localised food security and in the longer term, having the ability to supply local and international markets.

The production model is based in organic principles and has been refined over the past 10 years to produce consistent results in terms of quality and nutritional value and could be operational in under 8 weeks and yielding crops in as little as 90 days.

In support of the proposed method, I have developed a number of formulas, inputs and management structures in specific ratios that provide consistency in output whilst improving the environment in which they are grown.

The proposed method focuses on creating a low maintenance, maximum yield, organic environment in a domestic environment with the major focus being in education and relationship with nature.

Given the unique nature of this initiative, it is intended there will be a number of stages implemented, firstly to address the immediate needs 1-9 as outlined above,

via food production and then branching out into other industry sectors such as education, sustainable energy systems and environmental restoration.

Aside from funding I am looking for assistance in the structuring of the constitution for the U.A.C. so as to insure that once implemented, it has the integrity and systems in place to guarantee it meets the needs of the members now and in future generations.

The inspiration for the U.A.C. came from my research relating to different social structures and identifying those that had a history of delivering results that were in line with the original vision. Of the ones I identified I found the Mondragon to be the most successful. The following is a link to its history.

<https://vimeo.com/180391126>

Personal experience and expertise.

The details related to my corporate career are well documented on LinkedIn, however, I have spent the past 11 years owning and operating an organic nursery and market garden in Byron Bay, NSW, Australia. Originally educated as an industrial engineer, I have been involved in many types of production methods for a wide range of industry sectors over the past 30+ years.

I am a quantum enthusiast and inventor, spending many hours developing alternative and practical solutions to environmental problems and issues related to human health and nutrition.

Over the past 11 years I have developed my own EM's (Effective Micro Organisms) that are used in agriculture / plant food / animal husbandry / revitalising - restructuring soils / and the conversion of human waste into usable compost.

I have undertaken hundreds of trials in growing mediums and am currently developing methods for growing in sterile barren environments such as sand and water.

Currently I am looking to partner with a number of universities so that they can assist with these trials and we will be publishing the results in the near future. Whilst I already know the potency and outcomes of my offerings, I feel it's very necessary to validate those findings in the world of science.

Most recently I have been in discussions with a number of organisations in Brazil, the Middle East and Australia with a vision of testing our product's capability to address the following.

- Stabilisation of plant foods to extend their shelf life and enhance performance.
- Conversion and commercialisation of human waste into usable compost.
- Conversion of by-product from fisheries and abattoirs into pet food, organic fertilisers and energy.

- Growing farm produce in arid environments.
- Grey water treatment for reuse in growing plants and grass.
- Hemp crop production.
- Organic Hydroponic enhancement.

My time in organic agriculture has been very rewarding as it has allowed me to be a real maverick of invention and along the way I have been able to challenge some of the long-held misconceptions related to growing produce organically. They say that necessity is the mother of invention, I like it when others tell me it cannot be done, it's like a challenge for me.

Aside from my business and environmental passion, I am actively involved in supporting and creating better communities locally and have been an active member of mentoring groups such as Boys to Manhood and assisting troubled communities improve their living standards.

My long-term goals are to see the successful implementation of these projects and a number of others and when I retire become a motivational speaker and writer. The ultimate outcome for me would be to create legacy projects that will result in a thriving community and environment.

Operational Explanation of the U.A.C stage 1 and proposed outcomes.

To this day, I am unaware of any organisation that is doing what I am proposing, so my vision is yet to be realised and I will be requesting the assistance of many skilled individuals to work with me to contribute to its final outcome. I feel that having a successful vision realised to its full potential should involve multiple inputs so that the vision can be challenged in every aspect for its merits as well as its potential to fail.

Having highlighted this ill press on this the basic fundamentals of the proposed strategy.

Step 1 Example:

- The founders will identify a residential environment in which to commence the project and invite the general public to become U.A.C members. There will be a cost of \$500-1000AUD to join and the initial target market will be 1-2,000 properties.
- Once those properties and members are committed, an installation program will be formulated to install the required infrastructure and systems.
- There will be many variations to the installations for all sorts of reasons, which can be detailed in the future but for the purpose of demonstration I will provide the following methodology purely as an example:
 - 3+ Garden beds will be installed in domestic urban environments of U.A.C members. They will be installed under the founder's supervision and installation teams will be schooled in the functional requirements.

- 2 garden beds will grow organic veggies that feed the household providing them with enough food to meet their daily needs.
- The 3rd garden bed will grow produce for the U.A.C and be sold to the U.A.C at a wholesale price equal to the going market price, that is; the price that major farmers would sell to major markets. This will provide a passive income stream to the household, which will assist with day to day expenses.
- Once the produce is ready for market, the household will package up the produce, which will be collected by a member and paid for once the produce is sold.
- The collected produce will be shipped to major markets outside the local community such as Sydney and Brisbane markets and sold at retail price to the general public with a margin that is competitive to other products of a similar quality.
- The profits from the sale of the produce will go into the U.A.C account and all members will have a share.
- Over time, the income will grow to a point that the U.A.C will be able to expand its reach in terms of the number of properties installing gardens locally and globally. I would like to see thousands of gardens established in under 6 months.
- The size and rate of the success in terms of income will depend on how quickly the expansion is implemented. There will come a time that the fund is big enough that it will be in a position to form a financial institution that is in a position to establish businesses of a sustainable nature.
- Those businesses and outlets will employ members at award rates and the profits from the sale of goods will also flow into the U.A.C fund of which all members will have shares in.
- Eventually, the financial institution will be in a position to lend to members for housing and operating businesses at affordable interest rates which the members will be willing to pay as they will have shares in the institution.
- The membership structures will be detailed further in this presentation.
- I would also envisage that aside from produce such as veggies we would look to plant fruit trees outside U.A.C. member's on grassed areas with the blessing of the local councils.

This example should provide enough of an insight for the reader to envisage the basic principles of what is being proposed without going into unnecessary detail for the purpose of understanding the idea of the U.A.C.

Naturally like any undertaking the devil is in the detail and this document is not intended to get into such detail that will become necessary once there is a decision to move forward.

Potential Locations for public involvement include but are not limited to:

1. Urban back yards

2. Community Gardens
3. Schools
4. Retirement Villages
5. Hospitals

Development Stages

I will not get into too much detail at this stage as to how the localised economies interact with each other and then on a national and global scale. but it is entirely possible to take our current supply chain methods and adapt them to meet the needs of many interacting localised and national economies.

There will also be other considerations in the future as to how localised U.A.C economies manage their local infrastructure; most likely the state and national governments would meet these responsibilities through the taxes they received from the various localised economies.

So now let's talk about the potential success of the project.

Potential for success and what is possible:

The impact of this event (Covid19 pandemic) has already had a devastating effect on global business and the lives of almost everyone in the last 2 months, and as the months go by those effects will be amplified. I don't need to get into how those effects will be expressed in the global community as I'm certain the reader foresees this already.

Most of the western world in terms of the current generation has never experienced events such as war and depression, so when they loose their jobs and income and inflation kicks in they will have very few options for survival aside from social welfare and without people in jobs paying taxes it will become increasingly hard and even impossible for governments to support those in need.

As people become more dependant on welfare, the possibility arises that governments will have to implement policies that impact the citizens' liberty and freedom. Those pressures and the financial pressures for survival will further compromise society as a whole.

The challenge will be to put systems in place as soon as possible that will help to lessen the impact and educate the people without creating panic.

Based on my research, structures such as these are more easily adopted by the masses in times of hardship such as wars and depression. People are likely to embrace and support these types of strategies for the following reasons.

- In the immediate it will provide food stability.
- A passive income stream will assist with expenses.
- Education in growing produce will assist in reducing stress.
- Provide a sense of belonging and purpose, which will assist with psychological stresses.
- Provide a sense of community and ownership. It's been proved over the years that these types of structures are successful because the members feel they are shareholders in the overall success and have a say in how the organisation functions.
- It has been proven that societies such as this thrive because there is a deeper sense of community and less crime and violence.
- Overall, the community feels empowered

Constitution and Rules for the U.A.C.

There is much work to do in this regard to ensure that there is lasting integrity in the basic fundamentals and that the structure is impervious to corruption. I feel that to fast track this development we need to look for the assistance of other organisations such as Mondragon's constitution, as they have been decades in development and operation, and I am sure they will have encountered and overcome many challenges along the way.

Management - Organisational Structures:

Fundamentally the structure will be as follows:

Top Structure:

1. The firm is owned by the workers
2. Once a year the workers meet
3. 1 worker = 1 vote
4. The assembly elects a board of directors
5. Board members are elected for 4 years
6. ½ being replaced every 2 years
7. The board appoints the GM, he/she is the chief exec appointed for at least 4 years
8. GM is not able to vote at board meetings
9. The board is made up of workers from different co-op departments such as:
 - a. Quality control
 - b. Production
 - c. Education
 - d. Transport
 - e. Retail
 - f. Finance / Accounts

- g. Skilled worker
- 10. No fees for directors and all directors / financiers are workers
- 11. GMs can lose their position if the board decides they are not fulfilling the role satisfactorily.

Social Council: Shop Floor

- 12. The workers elect the social council
- 13. This is done by selecting 1 person from each department to represent them. These members are selected from the workers in each department.
- 14. The Social council interact with the board on matters such as wages / HR / welfare etc.

Items 1-14 is an overview of the management structure

Note: Items 1-14 represent some of the core structures and will be refined in time.

Ownership Arrangements:

- 1. Each member pays \$500-1000AUD to join. If necessary, the member can borrow this amount from the co-operative on favourable terms.
- 2. This capital holding remains his/her property.
- 3. Each member is paid the award rate for the job on a monthly basis.
- 4. The greater the job responsibility the greater the salary
- 5. The highest paid job is no more than 3 times the lowest paid worker
- 6. Annual interest is paid on the members holding at a fixed rate
- 7. At the end of the year, profit is divided in fixed proportions
 - a. 10% goes to the community for schools / education or other projects that benefit the community.
 - b. 20% to the co-ops reserve for reinvestment into other U.A.C projects.
 - c. The remaining 70% will be divided amongst the members.
 - d. Each member's share is proportional to his/her wages.
 - e. He/she cannot withdraw it. It is added to his/her capital holding where it accrues cumulative interest.
- 8. If the co-op makes a loss, 30% of the loss can be absorbed from the reserve funds and the balance will come from the capitol holding accounts of all the members.
- 9. Should a member decide to leave the co-op, the member must take out their capital holding, this is not optional, it must happen. This ensures that the co-op is never undermined or taken over by outside influences.
- 10. The next step is to set-up a co-op bank that has the ability to lend to its members at affordable interest rates.
- 11. This will be the working peoples bank and the interest would be higher than banks outside the co-op as the people own the shares and a portion of the interest, they pay comes back to them.
- 12. Banks are linked to data processing centres and they are responsible for funding projects throughout the co-op.
- 13. The banks are considered a secondary support to the industrial sector, which in the initial stages is the U.A.C.

14. Each worker in the bank has a capital holding in the bank. The profit that they share each year is equal to the average profit of the industrial co-op.
15. The bank's second-degree status is reflected in its board of 12 directors 4 are elected from the various depts and the other 8 are from the workers in the industrial sector

Items 1-15 are by no means hard-wired; they are merely to serve as a guide. As for the constitution that is finally put in place, there will be a thorough document to ensure long term member support and the success of the project as a whole.

Given the urgency for solutions I feel that the best plan of action would be to get agreement to implement the strategy and move on getting it into play in terms of the hardware setup.

In parallel, the founding members and advisors need to meet with other organisations of this nature and agree on which constitution is most suitable to meet the needs of the U.A.C. Naturally due to the uniqueness of this project there will need to be much planning and consideration required to craft the final document.

Once the draft is completed, it needs to be circulated to the members and voted on prior to sign off.

Governing Law:

The structure of the U.A.C. and governing law will be based on constitutional law, not corporations' law and all members will need to comply with the constitution of their respective country. There will be many discussions around this aspect of the proposed strategy.

Risks and challenges.

It is almost impossible to know anything for sure, as this is uncharted waters so I feel that my recommendation in seeking assistance from other organisations is imperative as the likes of Mondragon have had 70+ years to work it out however I have put some thought into this and this is what I have come up with.

I feel that one of the risks is that in the western world in countries such as Australia there are cultural differences and relationship differences between Australia and say the Basque area of Spain.

In Australia the character of the people is very laid back having never experienced any real hardship such as wars that have destroyed the country as was the case with the Basque area, so they are not so community focused.

Next the Basque have a long history of hardship and are a part of Europe, share common borders and are very passionate and nationally focused. It's

a part of their DNA so I feel it would be much easier for them to implement such a model.

Next, the Basque are very proud and independent people and have always wanted autonomy from the rest of Spain and if they felt a model such as this would achieve that independence, they would take it and run with it, which they did, and the results speak for themselves.

Australia on the other hand, is a long way from anywhere, never really had to fight for their liberty and freedom and so it's a much harder sell, however, I feel that if we are able to present PROBLEM and SOLUTION in the right format without being alarmist and provide the right support, it has great potential for success.

I am inviting others to critique this proposed project mostly for the following reasons.

- This project needs to be fully operational in under 6 months so it will require a lot of very skilled operators that are prepared to donate time in the early stages to its review and establishment.
- It is critical that we have a team of critical thinkers and strategically minded professionals to pick this apart and discuss all the things that could undermine its success and create a constitution that stands the test of time.
- The potential for this project's success in terms of size and earning capacity is hard to fathom, at least it would be if I was to share the totality of the overall vision. So, we are going to need expertise from a wide range of the business community.
- Let me be clear at the outset; whoever gets involved in this needs to be completely sold on the vision of creating a global community that thrives, is empowered and peaceful. You need to be in it for the long haul. This project is intended firstly to TRY and lesson the impact on the global community and secondly, to move forward in creating a world worth living in for future generations.
- Aside from the above, I see the major resistance to the proposed model being the current system of how business and commerce is conducted today. Why? because this model is based on empowerment of the whole vs the few. We as a society have devolved to be self-serving instead of all-inclusive and we have had decades of conditioning. This concept is so vastly different to any governance system today that the very systems we are living under will be resistant to such a change.

Administration and global management system:

I was involved with a colleague a number of years ago that is technically astute in online management systems that are designed to support localised economies in clusters that are autonomous on one level, but have the ability to interact as a whole with the ability to function on a local and global level if required.

At that time the system was still in development, but I have been advised that it has now been completed in the past few weeks and could be operational in a matter of weeks if required.

Education:

Education will play a major part of the implementation and acceptance of this strategy. Why? because we are living with the physical manifestation of what we as a global society have created through our ignorance of the world in which we rely on so heavily to survive.

Society has spent so long with a remote relationship with nature that most people have no idea how to grow food or provide for themselves outside of the system that they have become reliant on.

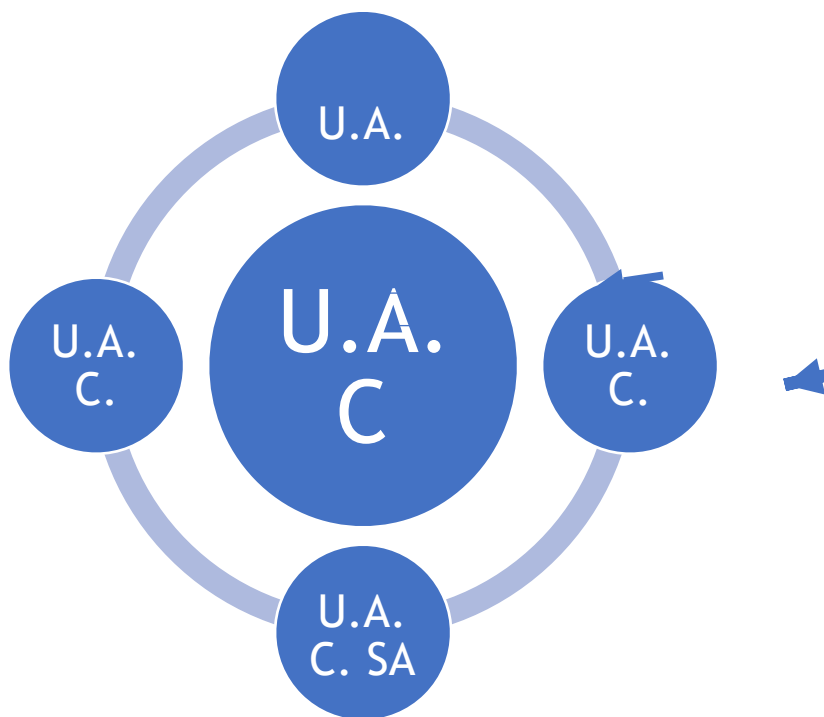
The major focus of this offering has been on simplicity so that the vast majority of people will learn what's needed in under a month.

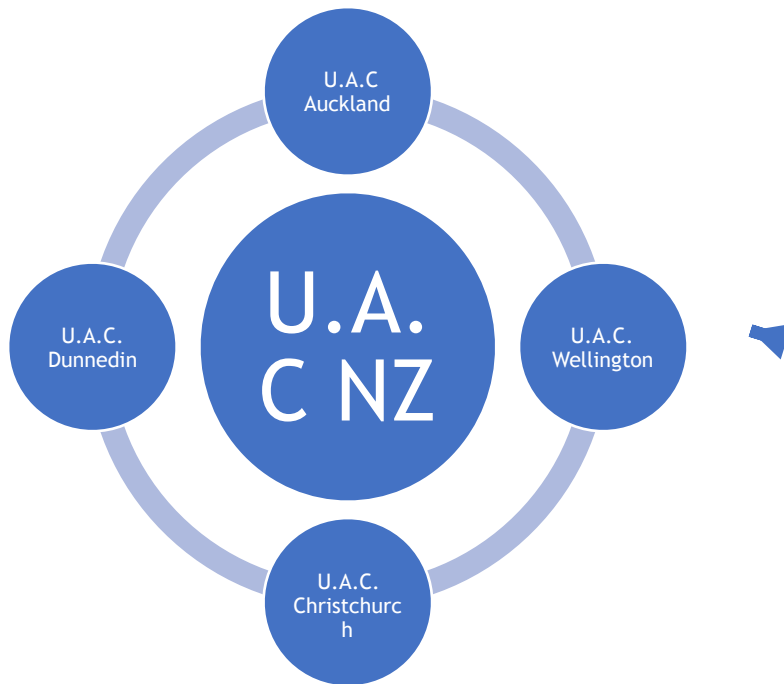
Educational structures - training and management systems need to be available to members so that they are well supported.

Media and Advertising.

We have seen the power of the media we are living with the consequences of media and its promotion of the current management systems. What we now need to do is to support the proposed strategy with a local - global media approach that sees large areas of the global community informed of this approach. My feeling is that the global community understands to some degree what's happening, and they are looking for someone to provide some sort of solution.

Graphical representation of the localised economy





I don't feel it's necessary to get into the bigger picture of what could be possible on a global or multinational scale until it's agreed that this has the remotest possibility of adoption. So broadly speaking, the basic concept is that there would be multiple clusters of localised economies, all self-governed, interacting on a regional-state-national basis with the central national structures interacting with one another on trade.

Proposed timeline and Scale for the rollout

Under normal situations we would run a local pilot project small scale for 6 months and when successful; scale it up over a matter of years.

This time around this cannot happen we need to take the bull by the horns and run with it not just on a national scale, but on a global scale.

With the right support I can transcribe the total process from WO to GO and prepare all that is required to cross train the installers globally in matter of weeks. The method has been tried, tested and proven. With setup support and on-going management structures in place the result will be the same in terms of measurable output and quality.

Big ask I know, to take something that has most likely never been done and implement it globally in 6 months or less. If that is a challenge to the reader, then consider what else is on offer that can potentially off-set the losses of human life and liberty.

If you have been asked to critique this document, it's because I feel that you already know there is no future for the global community if large parts of the western world are turned into welfare states. We both know the losses will be

substantial. This is not about neutralising the collateral damage, this is about lessening the loss and suffering.

Another even greater ask is that you support a proposal that is so different to the world and systems we are living with today. This project is based on the fundamentals of creating a Self-Governed Society ONE FOR ALL and ALL FOR ONE. It is a paradigm shift in the way business and daily life operates.

If I may say, whilst the initial project is benevolent in nature, if successfully implemented, the benefactors could benefit greatly from the kudos of assisting society, not to mention the personal satisfaction of being a part of a legacy for future generations.

Finance:

The only options that I would find acceptable in terms of funding are as follows

- Philanthropic and of a benevolent nature, meaning the donor donated the funds with no expectation of a return beyond their willingness to support a legacy project for future generations.
- Crowd funding whereby the global community paid it forward so that the vision could be realised. For that commitment donors would be listed and trained as an installer in their local area.
- I know that the big question I will be asked is how much money we need, that is not for me to answer that is for the reader to balance the current situation with the proposed solution. The reader has to feel that this has a very real chance of success and fund it accordingly so that we can apply the needed resources to make it happen quickly.
- I have no illusion that the proposed model will be all that is needed to lessen the impact it will take many unique solutions to come together to move beyond current and future challenges.

Conclusion:

I want to thank the reader for taking the opportunity to review this proposal and I am fully aware that what's being proposed would be challenging on many levels and require a paradigm shift in how business is structured, equally I feel we don't have any other option. I feel that there is no governing system today that is effective. If there were, we wouldn't be in the state we are in. We need to look at something totally new and I am hopeful that over time, one hand will teach the other hand how to clap. There is only one way that humanity can truly thrive and that is through mutual co-operation and respect.

