

Future of University And How To Celebrate Pro-Youth Economics!

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Starting Point

The future of education which my family has sought since 1972 celebrates educators who are passionate about helping youth create jobs and demand purposeful working lifetimes. What changed our lives in 1972 was an early example of internetworking. We saw 500 undergraduates interacting simultaneously around a digital network in one of the first experiments of what was then called the UK's National development project in Computer Assisted Learning. This connected multiple universities in the North of England which were hubbed around the University of Leeds.

I went to work in Leeds for 3 years while my father, Norman Macrae, started journalising at *The Economist* magazine how entrepreneurs could change the world if we invested in the abundance of a post-industrial revolution. Unlike the economics of scarcity caused by over-investment in houses and consuming up things, knowhow can multiply value in use. As the father of modern-day computing, John Von Neumann said: the future of professions needs to be about transparently designing above zero-sum exchanges (see Biography of John Von Neumann, Norman Macrae 1992).

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Today's opportunity is to mobilise youth in worldwide collaborations that mediate a joyful turning point for our human race. Which of history's greatest human dreams cannot become future realities if we make hi-trust investments in our children's children? We believe in the action learning credo: impossible becomes possible if right time, action, people, place, converge.²

If you share our purpose of job-creating education and guiding youth to productively collaborate around humanity's most exciting goals, then the combination of four university hubs that I propose in 2012 are:

Number One

MIT in Boston USA - world's number 1 job-creating alumni network: entrepreneurship as every discipline's innovation laboratory. Relevant searches include: new media lab, student entrepreneur competitions, connections to 360 degree capital, patent pools, Boston as a hub of incubators and accelerators, mobilising extremely affordable apps, open courseware, and community-owned franchises. Also MIT has become the home of the web's inventor Tim Berners Lee, trans-hemisphere entrepreneur fellowships, including the passionate changemakers at The Legatum Centre and The Poverty Lab.

Number Two

Mandela-Inspired Free University partners led by Taddy Blecher out of Johannesburg, South Africa - search peer to peer action learning franchises, collaboration cultures like ubuntu and student telecentres, partnerships supported by Google Africa with every type of new technology practice that student entrepreneurs may need, Mandela elders' new millennium goals and empowerment values, Branson fun and prize networks, egovan experiment that South Africa is a world leader in.

Number Three

Collaboration since year 2000 of over 100 Historically Black Universities in student social entrepreneurship competitions currently centred in Atlanta Georgia www.ofcvc.org but hoping to build a new agriculture and tech, distant and real university located in USA's poorest county in the state of Alabama.

² www.convergences2015.org

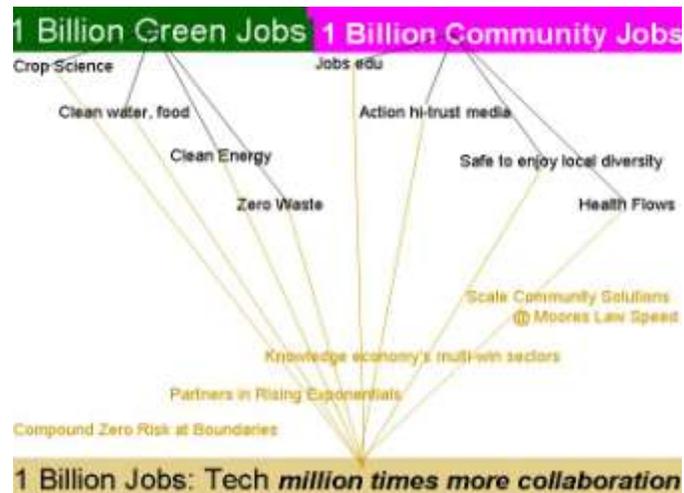
Number Four

Universities linking into BRAC's total education system in Bangladesh - and also being openly celebrated at such annual educational Oscars as those convened by Qatar. Since the birth of the nation (Bangladesh) 41 years ago, 15 million poorest village mothers have invested all in job-creating education for their children.

Provided all Entrepreneurial Revolution (www.erworld.tv) networks appreciate the depth of conflict resolution competences that extreme social and business innovation requires, sustaining the future of youth job-creating is the most exciting collaboration challenge in the world as the breakthrough net generation is coming of age. Economics can be used to design what futures people want. If you are not involved in co-producing futures that peoples want most, then the wrong economists will continue influencing the nation and need to be removed from power. We can learn from how Gandhi chose education as the way to remove unsustainable professionals from ruling India. This mediation is one of my family's great interests as my maternal grandfather worked for quarter of a century alongside Gandhi on this transformation. I suggest that every child from nine up show be free to practice how to host dialogues on changing what's most blocking your community's productive goals. Open Space is a proven and simple real process for doing this www.openspaceworld.com Try it before you suggest children twitter!

Any map of the Future of University will be fast-changing and printed versions will quickly look outdated. I am always searching - right now for universities led by Chinese and Japanese education entrepreneurial movement.

Before our short tour of how and why the above 4 sites are brilliant places for empowering youth's productivities, let's talk about the paradoxes that our 40 years of research have encountered since the first time we experienced 500 students simultaneously digitally networking. The net generation can be the most productive time for youth but only if we help invest in co-creating up to 3 billion jobs. Our main recommendation to educational policymakers from our 40 year learning curve is the vast majority of these new jobs will not come from students passing examinations and expecting employers to offer them jobs.



Definitions

Community Jobs are those that invest in family and community so that whichever global village a child is born in, she or he has a fair chance to grow up healthy and job-creating. Norman journalised how the quarter century 1940-1965 started to destroy community jobs in the West due to huge growth in top-down government, taxes spent on armed forces and a tv advertising whose accidental impact was a loss of championing real communities. Conversely in the developing world, Norman knew from his father-in-law's quarter of a century work with Mahatma Gandhi that lack of bottom-up community infrastructure is what causes so many children being born into poverty's traps. Essential hi-trust professions that every community needs to celebrate to be sustainable are: medics, teachers and bankers. Moreover, youth need these people to be there, empowering from the grassroots up, not just ruling from Capital cities.

Green Jobs - the 20th century's most ignorant economic bias was caused by not costing for how more and more was being extracted unsustainably from next generation's access to clean water, nutritious food, sustainable climate and recycling of waste. Moreover, the compound risks of the petrochemical age were neither understood in terms of how much they have destroyed nature's capital nor understood in terms of security of nations. On the positive side, solar infrastructure scales economically, starting with the hottest places and poorest peoples that have never been connected to an electricity grid.

Million Times More Collaboration ought to make the net generation the most productive time to be alive but only if the father of computing Von Neumann's logics about the imperative of developing multi-win models are wholly valued by all professions and place leadership's ruling constitutions. So far, not one global profession has addressed this innovation in a whole truth (systemic) way, and big bankers have been rewarded for specialising in the most vicious zero-sum games ever compounded. As Keynes reported "increasingly the world is ruled only by economics" - borderless youth needs to know that democracy itself is a dream if economists are ruling over sacrificing any place's long-term sustainability exponentials to short-term extraction.

To mention, Norman Macrae's 1984 handbook on the net generation's co-creation of 3 billion jobs <http://www.erworld.tv/id133.html>. It played out scenarios whose timing was economically critical. For example, he advised America to develop a beyond-superpower policy for collaboration with the post-USSR period which could have brought a peace dividend around the world. Similarly, the 1990s could have been an investment in photosynthesis as a much safer way forward for the world to invest in energy than nuclear or carbon future worlds.

However, uniting celebrations in a sea-change in education and smart media is the seminal worldwide game-changer if economics is to be responsible for going through the eye of the needle from scarcity to abundance. From 1492 sailors like Columbus needed collaboration logs for hi-trust mapping to sail the blue. 500 years later all 7 billion human beings need new mapmaking to navigate how to make multi-win investments in youth of the net generation - to be the most productive and sustainable time on planet earth. Gordon Dryden chronicles how he has helped New Zealand explore this over the last 30 years in his paper in the Inaugural issue of the *Journal of Social Business* (JSB Vol 1, No. 1, January 2011, Pp168-205), and in his books at www.thelearningweb.net. The surprisingly good news is that New Zealand experiences already part of a parental dialogue between 10 million Chinese families - linked to educational hubs in gateway cities like Singapore.

Where Will Net Generation Jobs Mainly Coming From?

Apprenticeships starting at 15 and even some early-stage apprenticeships starting at 12 in family or safe local cooperatives as knowledge businesses mobilise round knowhow that communities choose to telecentre www.egrameen.com

Filling community-owned franchises of what in the 20th century were bureaucratically controlled as public service jobs and/or hubbing exchanges of solutions across worldwide communities as well as your own highly developed personal network. In November 2011, the European Union convened a conference on social business and social impact bonds from which it was concluded that this urgent transformation was likely to

be Europe's best chance of getting back to full youth employment links
www.entrepreneurialunion.com

Starts-ups that are entrepreneurially created while still at university - both traditional business start-ups and ones that open source urgent social solutions that will also require the full collaboration between professors, students and local societies as labs for most urgent needs that need a solution <http://jobscompetitions.ning.com>.

Other structures - incubators, accelerators - that provide the graduated student the time needed either to develop a deeply innovative start-up or to find a cluster of partners. Since Norman Macrae's 1976 survey in *The Economist*, Entrepreneurial Revolution alumni have defined the post-industrial age as one where networks of organisations designed round multi-win business models, not separate zero-sum organisations, will serve the greatest advances in the human lot. With a million times more collaboration technology than when man raced to the moon in the 1960s, if we dare invest in youth co-producing the most exciting of millennium goals, there is no logical reason why this shouldn't be the most productive and sustainable time for youth. But as Keynes' *General Theory* warned, that does depend on removing old macroeconomists wherever their historical models no longer tune into future change. Help us identify the 100 leaders who most believe that 2010s can be worldwide youth's most productive decade <http://yclub100.com>.

Four Unis of the Future

MIT is definitely the West's - and probably the world's - best resourced university system designed round the purpose of helping worldwide youth connect with all of the most innovative job creation trends. And it has achieved this by being the most open of universities. The Initiatives led out of South Africa and by historically black universities in USA started with the least resources of academia in their nations but were closest to the most urgent social challenges. Fortunately, the collaboration of most and least resourced is needed to mobilise linking into The 3 Billion Jobs (billion community - where youth/family grow their potential, billion green, billion collaboration technology). Norman Macrae (my father) first helped to map these in his 1984 book on the net generation. His last article <http://normanmacrae.ning.com> in 2008 clarifies what everyone can learn

from Bangladesh at 40 the only nation to have networked investment banks round 15 million poorest mothers' investments in education. BRAC University completes a perfect collaboration quartet of universities not just by bringing an eastern perspective but because historically as the world's largest civil society network its unique contribution to the world of education is village primary schools. Its founder Sir Fazle Hasan Abed now urgently wants to offer a seamless job-creating educational chain. This parallels how Gandhi's success was configured around offering a transformation of the whole value chain of education, with his greatest practical leaps forward being founded in his primary schools partnership with Montessori.

MIT (Massachusetts Institute of Technology)

If ever Walt Disney Company wanted to update their future science park EPCOT, taking the metro to Boston's Kendall station and walking the square mile around it would be essential prep. There one can find almost every kind of future research but linked in by engineers who want to do practical experiments that improve the human lot now. That is the unique beauty of MIT college system around which these future businesses are blossoming. Most MIT students come as graduates who want to invent - and then develop - their own knowledge linking in spaces in the world. They do not want to build exit models around their life's greatest inventive flows. While this tradition has always been there, an entrepreneurial edge came to MIT about 30 years ago when the (Sloan) business school faculty recommended that every practice area developed its own entrepreneurial stream as well as lots of interdisciplinary spaces for youth to network. Entrepreneurship was undepartmentalised. The timing was great as what had been the MIT architecture lab boldly chose to build a (digital) Media Lab led by Negroponte's vision of seeing what collaboration computing in the world's poorest schools could do.

Now The Media Lab has over 100 of the most humanly exciting experiments that mobile or tablet or laptop can connect with just about every practice area that engineers or inventive young minds could possibly want to futurise. Its top floor hosts the favourite place to host a conference of every entrepreneur - the annual Legatum conference being a special favourite of those who want to build on what is now the 17th year that mobile phones have started to end digital divides in the most rural areas of the developing world (www.legatum.mit.edu).

MIT has also become the home of Tim Berners-Lee, founder of the worldwide web. Then 10 years ago MIT did something whose after-shock is only just catching up with universities everywhere. It put every course online and free to browse. So now one can know what content MIT students study. What's coming next is that clusters of these content modules can be re-arranged into locally certified degree curricula. However, let me reiterate MIT is a space where mastery of theory isn't separated from what experimental innovations youth come up with. And those that involve direct deepest experiments with sectors of societies often kept at arms' length by traditional research are most celebrated at MIT. For example, some of MIT's greatest medical advances have come from working with patient groups. Throughout the MIT year, one will find lots of entrepreneurial competitions going on - starting with the viral youtube pitch-an-idea competition and progressing to who's got a start-up ready for launch. MIT also prides itself in developing relationships with all sorts of venture funds. Many MIT innovators don't want to be associated with funds that want an exit strategy. They do want to develop as serial inventors advancing their unique abilities and linking in the most extraordinary social networks any inventor in their field of choice could collaboratively sustain. They live Von Neumann's open source maxim - in a knowledge networking age why should anyone who is passionately at a leading edge of inquiry want a patent's protection for more than 3 months? That's already plenty enough to me for an uncatchable lead for any collaboration network of networks wholly concerned with advancing the human lot

Research of where jobs originate from, reveals MIT is 11th on the world's list - and all of the top 10 are aggregates of an entire nation's resources. This means if one want to be an alumni of job creation, then MIT (and its partnering educational networks) are in a social and business league table of their own.

Mandela-Inspired Free University

One of the first three Norman Macrae Remembrance parties involved the great privilege of celebrating the Free University movement with its coordinator Taddy Blecher www.taddyblecher.com. Until 1999 Taddy had worked at Michael Porter's Monitor company headquartered in Boston. What Taddy has celebrated with Mandela-inspired partners since 1999 is to

experiment in every way that a university system can attract students who want to job-create because they want to develop their country. Why on 21st century networking earth would any country with a future want to charge its poorest youth for becoming successful job creators?

<http://youtube.com/watch?v=qWkAa6Lyirw&feature=related>. Here's a video where a Free University student clarifies the empowerment culture.

Open Sourcing Community-Owned Solutions Franchises

What's great about knowledge such as solar replications or permaculture is that the open source franchising encourages peer-to-peer teaching methods - so this year's new student becomes both next year's teacher and new franchisee in a community needing the service.

Student entrepreneurs revel in testing how new technology can help share collaboration knowledge - so for example while Taddy's universities have less resources than famous western universities they are a world leader in giving any student access to telecentre practice.

Recently a fashionable idea in aid circles has been public-private sector partnerships. This misses the point unless youth are celebrated as mediators of such partnerships. Look all around you in this young 21st century where goodwill revolutions are happening from the ground up. They all depend on the courage of youth as far as I can see.

Collaboration of 100+Historically Black Universities

With MIT at the top of the world and South Africa Free University at the bottom of world linking together open educational resources, the content and quality of learning content freely available is on a Moore's law - probably doubling every 6 to 9 months. I doubt whether any university can afford to keep itself separated from the future impact of this revolution.

Anyhow it is extraordinarily timely that the biggest jobs regeneration movement in USA is coming from African American youth. This movement which started a year later than Taddy Blecher's partners is also on a Moore's Law type acceleration towards the future. Look at the sorts of partners getting connected for the academic year 2012-2013.



And this tableau doesn't include judges alumni network from which passionate members of institutions such as these have been involved in recent years: Paypal, Intel, Discovery Channel, Motorola, etc.

Practically, the movement is rooted out of Atlanta and the Martin Luther King culture of what faith-based young people can do. It was in October last year that the movement had Dr Muhammad Yunus as their keynote inspirational speaker and prize-giver. Since then Yunus has committed to regular road shows and this year the movement is crossing states north and west from its south east origin. One of the collaboration ideas to cone up at the finale to the 2011-2012 year was why not build a Yunus-inspired university in one of USA's poorest county. This could become the best organic job-creating stimulus the US has seen this century, and at very least can help solidify a triad with MIT and South Africa's Free Uni system.

Enter Open Bangla - Freeing Markets the Way Adam Smith Communally Intended

Bangladesh is a nation that is 41 years young. It has innovated more sustainable solutions to ending poverty and achieving millennium goals than anywhere else. Muhammad Yunus, founder of Grameen Bank, has become the world's favourite advocate of banking for the poor. And Sir Fazle Hasan Abed, founder of the world's largest non-government developmental organisation, BRAC, has sustained more than anyone in the world is the transformation of market's (<http://valuechain.ning.com>)

value-chains so that the poorest can make decent livelihoods on the productivity side and have services that meet their most urgent needs on the demand side.

Millions of poor mothers have communally invested their lives in this development process which has really started to demonstrate the empowerment of grassroots networking since mobile connectivity was brought to the villages by Grameen Phone from 1996.

Not only does Bangladesh celebrate sustaining the 'number one' investment banking networks of the poorest but it has the longest experimentation (since 1996) in using mobile technology to turn village banking circles into telecentre hubs for testing the most life-critical needs of mobile technology. Today, worldwide youth may value Dhaka as the open university of 'practising micro everything that has a life-critical impact or which values diversity to make communities sustainable'. Example of micro-knowledge networking franchises - over 1 million solar units have been installed by Bangladeshi poorest villagers. Norman Macrae's last articles saw Bangladesh as a leader of everything that the microeconomics of collaborative networking can be applied to (ref www.considerbangladesh.com).

Sir Fazle Abed, *a brilliant leader of community sustaining solutions*, is celebrated for saying that 'small may be beautiful but in Bangladesh large scale replication is essential'. BRAC's first rural-wide service was informal primary schools and this has made knowledge-sharing processes deeper in BRAC than any organisation I have studied over in over 40 years of researching World Class Brands. What's fascinating is that unlike the other 3 universities previously profiled, BRAC's scope is the whole youth development process from 6 up. The opportunity for educators who share our job-creating purpose is to plug and play with BRAC as well as the other universities we have profiled. In 2001, Sir Fazle founded BRAC University. He wanted to ensure all his knowledge connections through his life-time of work and Bangladesh's entire development as a nation had a formal home.

Lifelong action learning and elearning can come together if we identify the best exemplars, and open source education as the value chain that needs to help youth enjoy being the first to explore above zero-sum case studies in

every market and practice worthy of worldwide celebration. That way entrepreneurial revolutionaries can achieve millennium goals, the post-industrial revolution, economics of abundancy and the most productive and sustainable time for worldwide youth and global village harmony.

The community-owned franchises that can end poverty in developing world are congruent economically - www.worldentrepreneur.net <http://yunuscity.ning.com> - with those that create jobs in the developed world.