**From Sustainable Development Goals SDGs,**

**to unleashing 21st century Global Goals potentials​**

* **a mindset shift, a human centric approach,**
* **in favor of the common greater good**

HOW ? Let's mutualize efforts, federate resources, work as One from aligned meta to micro perspectives in order to reach together Nationally Determined Contributions **NDCs**, before 2030. The keys: integration of 21st century updated data, information, scientific knowledge, digital societies, diversity, innovation, common sense, transparency and coherence, humanizing wisdom and the global goal no 17: renew our perspectives and partnerships between public - private sectors, investors' and civil society, the societal actors.

***In summary*** *: active collaboration between all the usual stakeholders
          with a special care to respect and to cultivate the diversities*

To reach the NDCs signed by all governments in Paris at COP-21, we propose realistic, tested and validated, worldwide replicable scientific and technological solutions of the 21st century. This will enable the emergence of a Renaissance 2. Together we can accelerate and co-create the conditions to favor this dynamic living systems approach, as expected by UN.

Our common purpose, in complete convergence and synergy with WSIS Forum and others stakeholders, is to become a civilization that is regenerative for people, planet, profits, peace, partnerships, and prosperity, for each and all. **What is at stake ? The survival of our species**  The planet can survive us. Can we ?  We will thrive together, as we redesign, for example, the purpose and curriculum of schools for all ages, the purpose and fit of all societal actors, stakeholders, and beneficiaries.

It is critical and strategic to put in place [Living Labs](http://www.ict-21.ch/l4d/pg/file/read/893352/innover-autrement-25me-journe-de-rencontre-de-lobservatoire-technologique-mardi-11-octobre-2016-14h0017h30-fergenve-cration-du-geneva-lab) in key UN, public and private organizations in 7000 city regions by 2019, to redesign a context based adequate transitional and transformational plan, around local business with support of UN global Compact chapters, 17 global goals meta framework and specific roadmaps 2030. In a multi-stakeholder way. We have already concrete realistic sharable examples / experimentations.

We become more human centric by leveraging the recently updated sciences: neurosciences, neurocognitivism and epigenetics, integral theory, as well as integrate the wisdom of the great traditions, to address mindfulness, opening up "heads and hearts", better understanding the different values and worldviews of all generations - baby boomers, gens X, Y, Z and alpha. We believe in an inclusive integral, transgenerational, digital equity and rights approach. Transhumanism needs to be addressed within a balanced and equitative roundtable, lead by civil society, within global goal 17.

Our strategic partners have the knowhow and already unleash human, organizational, scientific, digital and societal potentials, across many countries, in public and private organizations. Via the World Bank of happiness we can account for human, social, relational and knowledge circulation, rapid and infinite, capital growth.

In this workshop we present you unique world wide recognized experts, each with at least 10 years of investments and pioneer work, to propose a universal "tool box" to get there, accompany you, your city regions, and countries. It is our pledge to ease the efforts, optimize investments and outcomes. This includes 21st century funding and financing schemes, a new integrated accounting and multi capitalistic triple  bottom line system - people, planet , profits - as supported by 21st c. notation agencies, auditing, and consulting, Reporting 3.0, GRI and IIRC. **We propose corresponding effective, efficient 2030 roadmaps**, integrated and integrative proven tools that are state of the art, recognized as worldwide best in class.

By using in addition the third of the time of this workshop to elaborate recommendations to decision-makers, we look forward to host you, listen to you and as you wish walk with you, your strategic and operational partners on the 2030 journey. **Together, working and living as One, we can do it.** It is the legacy we owe our children and the next generations: handover the humanity, the planet and the economy in a better condition than when we received it .

***“Problems cannot be solved with the same mind set that created them.”***

[**Albert Einstein**](http://www.goodreads.com/author/show/9810.Albert_Einstein)

**Contributions to our workshop**

**HDRR: Human Digital Rights and Responsibility**

The survival of the human species in the digital age and robots

*By* [*Anne Fistarol*](http://www.ict-21.ch/com-ict/IMG/docx/AF-Anne-v1.docx)

Among the disruptions that emerge from the digital transformations of our societies (the core of SDGs), a transformation that does not yet make many waves (week awareness among citizens) is that of the place of the **robots**, the **algorithms** and the global **automation of networks of robots**. There is no question of banning robots, but of framing their uses **leaving ultimately the responsibility to the human species** after weighing interests and not steering on financial efficiency or blissful and naive enthusiasm without critical spirit. The [map](http://www.ict-21.ch/com-ict/IMG/docx/AF-map-v1.docx) from our HDRR [cogitations and thinking](http://www.ict-21.ch/com-ict/IMG/pdf/AF-web-HDRR-v1.pdf) show the intrinsically transversal aspects of the potential uses in the social activities. Through numerous [references and examples](http://www.ict-21.ch/com-ict/IMG/docx/AF-references-et-examples-v1.docx) (even students already elaborated reflections and will contribute), we can not only highlight the multidisciplinary aspects but also the need to develop a sustainable methodology (namely in front of AI) that takes into account the diversities of our societies [More](http://www.ict-21.ch/com-ict/IMG/docx/AF-More-v1.docx) and [click also-at-education-21](http://www.ict-21.ch/com-ict/IMG/pdf/AF-look-at-education-21-v1.pdf)

**STALWART : the Humanistic Ecosystem based in Geneva**

*By* [*Maxence Musset, co-founder of Stalwart*](maxence.musset%40stalwart.ch)We are already all experiencing the limit of the current economic model that influences negatively and drastically people's wellness and moreover their positive creative energy and collective consciousness( [you can have a look at gallup studies to understand why we are doing the right things if not already convinced](http://www.gallup.com/topic/employee_engagement.aspx))

At STALWART we are all **change makers** and we have created this **Ecosystem** to give an alternative answer to individual career transition, company leaders or investors. Everyone can enter into the STALWART Ecosystem and create some added value for its own project and at the same time, for all the projects currently running in the ecosystem and its dimensions. The **STALWART Ecosystem** is based on agility, an organic management such as teal management, holacracy or self-organized management with customers (and people first) oriented thinking and 3 core-values : we cultivate happiness, experiment in conscious and interact with authenticity .Our missions are driven by thrivability and 3.0 sustainability in order to bring concrete contributions to the **17th SDGs** and specifically address **5 global goals**

*In summary :* **STALWART Community** is the Talents booster, **STALWART Accelerator** is the Project accelerator and and **STALWART Network** is the Business propagator. **The ecosystem is**

**promoting a living lab on “new way for business & employment ”** with an open meet-up hold by the Community association for co-creation each Tuesday morning. [More](http://www.ict-21.ch/com-ict/IMG/png/Stalwart-image001.png)

**Introduction to Genève Lab : it could be a contagious way to tackle SDGs**

***By [Patrick Genoud](patrick.genoud%40etat.ge.ch)*** *[- Genève Lab - Direction Générale des Systèmes d'Information](patrick.genoud%40etat.ge.ch)*

*[Département de la Sécurité et de l'Economie - République et Canton de Genève](patrick.genoud%40etat.ge.ch)*

One of the main challenges the cities will face in the 21st Century is their capacity to be inclusive, safe, resilient and sustainable (SDG11). [Genève Lab](https://demain.ge.ch/dossier/geneve-numerique) ,  [living lab](https://en.wikipedia.org/wiki/Living_lab) of the State of Geneva has been created on October 11th 2016 in this perspective. Its mission is to accompany the public sector in its digital transition. This goal can be reached only if the innovation dynamics initiated inside the public administration is conducted FOR and WITH the citizen.  Genève Lab wil help prototyping and experimenting the future smart city solutions mobilizing as many local stakeholders as possible. These include the academic entities, the SME, the start-ups and the civil society.  **Genève Lab** has so far contacted more than 60 actors of the Geneva area innovation ecosystem. All of them are convinced that an inclusive, safe, resilient and sustainable region can only be reached by working together in an open innovation perspective with the aim to empower every actor of the process.

**Activities of the ICES Foundation vs SDGs**

by [*Dr. Robert Bishop*](http://www.icesfoundation.org/Pages/PersonProfile.aspx?id=3) *President & Founder* [*ICES Foundation*](http://www.icesfoundation.org/Pages/CustomPage.aspx?ID=1)

The main challenge of humanity in the 21st Century is to integrate the great pools of scientific knowledge

that have thus far been accumulated, and to synthesize these assets into a deep holistic public

understanding of the planet on which we live. The tools needed to do this include digital [modelling,](http://contentviewer.adobe.com/s/N%20-%20The%20HBP%20Magazine/36876355-d1b7-5621-a617-a3ab5564cd60/V0.1%20-%20The%20Preview%20Issue/The%20Power%20of%20Simulation.html)

[simulation and visualization](http://contentviewer.adobe.com/s/N%20-%20The%20HBP%20Magazine/36876355-d1b7-5621-a617-a3ab5564cd60/V0.1%20-%20The%20Preview%20Issue/The%20Power%20of%20Simulation.html), utilizing an array of modern computing platforms and open data from

[public sources](http://www.earthobservations.org/index.php) and sensor networks.

Based in Geneva, the [International Centre for Earth Simulation (ICES Foundation)](http://www.icesfoundation.org/Pages/Home.aspx) has established a not-for-profit, non-political platform to carry out this work on a global basis. It can partner with the appropriate UN agencies to develop a modern real-time, interactive, immersive decision-support platform to aid in the achievement of all 17 SDGs. In particular, it can bring clarity to the [interaction of natural and socio-economic systems](https://www.youtube.com/watch?v=zI6HWDSaRiM), especially where climate change, global warming, extreme weather, sea-level rise, flood, drought, [public safety, health](https://www.youtube.com/watch?v=fzqxj3OL7IQ) & [education](http://www.icesfoundation.org/Pages/CustomPage.aspx?ID=150), infectious disease, [earthquake](http://www.icesfoundation.org/Pages/CustomPage.aspx?ID=122), tsunami, landslide, wildfire and other hazards to life on Earth are involved, and the likelihood of disaster is high.

**Globalisation has so far worked by increasing specialisation, both in knowledge and in centralising manufacturing around the world, because it was more efficient to have things co-located.**

*By* [***Paul Bristow****, one of the co-founders of Pangloss Labs, an expert ‘maker' and strategy/technology consultan*](paul%40panglosslabs.org)*t.*

In the 21st century, the widespread availability of ubiquitous communications, and the shared intellectual property framework around open source has lead to the decentralization of knowledge and the ability for individuals and groups to work efficiently together, regardless of their location.  Now the second phase of this kicks in, the [fourth industrial revolution](https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/)  where the application of open source and exponential innovation leads to the ability to create decentralized multidisciplinary knowhow and production clusters - increasing the value of products through customization and improving the resilience of regions.  By integrating collaborative design thinking, [lean startup](http://theleanstartup.com/principles), [circular economy](https://www.ellenmacarthurfoundation.org/circular-economy), [open source softwar](https://opensource.com/resources/what-open-source)e+[hardware](http://oshwa.org/)+[business models](http://openmodels.fr/en/) with [digital fabrication](https://www.fablabs.io/). we at [Pangloss Labs](http://panglosslabs.org/)  are bringing a new form of scalable entrepreneurial innovation to the area.  This as being directly related to SDGs 8, 9, 11, 12 & 13 with projects within the our innovation labs covering most of the rest. Concretely, in the 18 months since we opened our doors, we’ve brought physical prototyping capability to the region, trained local entrepreneurs in ICT, digital fabrication and robotics, created around 20 startups, supported over a hundred entrepreneurs and co-created the [Geneva Global Goals Innovation Day](http://g3id.org/). **[More](http://www.ict-21.ch/com-ict/IMG/png/Pangloss.png)**

**The Ecological Sequestration Trust can contribute to put in action SDGs**

***[Here is Peter’s Bio](http://ecosequestrust.org/our-people/executive-team/)***

**Peter Head** created The Ecological Sequestration Trust in 2011 to bring together world leading experts to create the tools necessary for holistic integrated human-ecological-economic systems planning, decision making and investment at a regional and national level in any country. The concept was to enable national, regional, local governments to partner with the private sector and involve communities in a participative process of planning. This would be supported by data and systems modelling and ongoing research managed by local university expertise. [www.ecosequestrust.org](http://www.ecosequestrust.org) The 17 SDG objectives and targets are a complex set of human and ecological well-being targets underpinned by a new approach to economics and investment. They represent a step-change in the way we live on the planet and manage resources and cannot be achieved without a holistic collaborative approach. Our open-source digital platform resilience.io can be loaded with local data and used to guide decision making and investment towards SDGs. The overall approach has been set out <http://ecosequestrust.org/roadmap2030.pdf> in **Roadmap 2030** which is being piloted in Ghana, with the first region being the Greater Metropolitan Area of Accra. In this prototype water treatment, supply and sanitation services were modelled for 4 m people and compared with population demand, projected into the future using demographics. Investments required to allow services to meet demand in accordance with SDG 6 by 2030 were then able to be designed.

**WORLD BANK OF HAPPINESS [WBOH.ORG](http://WWW.WBOH.ORG)**

*By* ***[Laurence Reginald Maitre](https://docs.google.com/document/d/1pt1BQVtX4ae16TutxhlxSPkTHthzxGsJ8yATyTqcJY4/pub)***

WBOH is fully part of the UN 17 Goals program. [UN 17 GOALS PROGRAM](http://www.un.org/sustainabledevelopment/sustainable-development-goals/) which aims to make the world more prosperous, fairer and more sustainable by 2030, through its SDG targets developed in the fall of 2015.

**THE WBOH WORLD BANK OF HAPPINESS** also wants to be an answer to many critics (depletion of limited resources on a limited planet).

Happiness is an unlimited resource versus limited [ressources](http://www.unfoundation.org/what-we-do/issues/mdgs.html)

Our project is original and innovative because on the one hand it takes the opposite of the steps known and experimented so far by being a bottom-up action and on the other hand does not need much funding because it contributes, among other things, to [Digital Equity](http://www.laurelfelt.org/digital-equity/)

**ICT for Resilience : Disaster Risk Reduction … Digital Equity and Human rights**

*By* [*Yuko Murayama, IFIP Vice President, chair of the domain committee on IT in DRR*](murayama%40tsuda.ac.jp)Sustainable Development Goals SDGS give us how the world should proceed to let an individual enjoy the reasonable level of quality of life. In this workshop we look into [the Information and Communication Technology aspects such that WSIS-SDG Matrix](https://www.itu.int/net4/wsis/sdg/Content/Documents/wsis-sdg_matrix_document.pdf) which provides actions in terms of ICT **specifically in Disaster Risk Reduction (DRR)** with Digital Equity and Human rights. The quality of life for the people affected by disaster would be taken abruptly so that the disaster is a human right problem because the people can no more lead safe and secure lives which they are entitled to do. Digital Equity provides people equal opportunities to use IT in normal situations as well as in disaster. Those issues are looked in terms of resilience. We are interested in identifying what sort of resilience and what level of resilience we may well need in ICT. We also introduce those issues as well as our IFIP activities in these aspects. Finally we try and produce as for other topics some recommendations for decision makers as conclusions of the workshop.

# [INTERGEN.DIGITAL](http://pully.intergen.digital) : e-inclusion, digital culture global improvement.

***By Pascal KOTTé*** *: A program from* <CloudReady.ch> *Swiss association from 2013 - French part Switzerland*

How to help seniors entering in the digital era? How to engage juniors for entering with clever and wisdom into the digital world? How to help and support parents for managing their hyper-connected children’s? Huge and ambitious 3 objectives we solve partly with a simple monthly meeting connecting all those 3 generations together. The self-help INTERGEN.DIGITAL is just a space, with electrical plugs and wifi, we provide monthly for free to people from 7 to 107 years old (and we accept younger and older). The cost is very low, just come with own equipment, some food and drink, and the request for such is very high. We do have also informaticians coming for free helping others, but mostly, the children are more efficient to help seniors, because less explanations, and more direct efficient actions. We [initiate the pilot at Lausanne](http://pully.intergen.digital), and we start [extend in 2017](http://Yverdon.Intergen.digital). [More](http://www.ict-21.ch/com-ict/IMG/png/More%20Kotte.png)

**Working to realign and better connect the education sector to the world of work for 25+ years. - Motivating tomorrows adults today.**

[***By Alan Dean****- Founder and MD of Burning2Learn UK Limited;*](http://www.ict-21.ch/com-ict/IMG/docx/Alan-Dean-Bio-Lines-10.docx)

Our work over the last 25 years equipping young people with the skills they need for life beyond the school, college and university. Bridging the gap between classroom and the world of work.

 Burning2Learn has a history of running education programmes at business and entertainment events. The aim is to raise self-esteem and confidence. The work interacts with students of all academic levels, and are tailored to the needs of the individual. Identifying talents and developing life skills the programmes build resilience and motivates young people to take a more active role in determining their own futures.

Following the work of G4 (Education-21 and Resilience IO, B2L began to focus on the United Nations Sustainable Development Goals (UN SDG's). Using the SDG Goals we equip youngsters to add more value to their lives. Thus encouraging the future generations to take responsibility for their society and planet.

[**burning2learn.co.uk**](burning2learn.co.uk) Working with IOFC this has been developing sustainable communities **<http://uk.iofc.org/burning-2-learn-lighting-spark-curiosity>** this has lead to a community focus that is /**[www.theacornhub.com](http://www.theacornhub.com/)**

**To sumarize**

* **Workshop part 1 (13h15 – 14h00) 12th of June**

**HDRR: Human Digital Rights and Responsibility**

The survival of the human species in the digital age and robots

*By* [*Anne Fistarol*](http://www.ict-21.ch/com-ict/IMG/docx/AF-Anne-v1.docx)

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/01-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/01-presentation.pdf)

**STALWART : the Humanistic Ecosystem based in Geneva**

*By* [*Maxence Musset, co-founder of Stalwart*](https://ch.linkedin.com/in/maxencemusset)

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/02-summary.docx)

[*Presentatio*](http://www.ict-21.ch/com-ict/IMG/pdf/02-presentation.pdf)*n*

**Introduction to Genève Lab : it could be a contagious way to tackle SDGs**

***By [Patrick Genoud](http://www.ot-lab.ch/?author=3)*** *[- Genève Lab - Direction Générale des Systèmes d'Information](http://www.ot-lab.ch/?author=3)*

*[Département de la Sécurité et de l'Economie - République et Canton de Genève](http://www.ot-lab.ch/?author=3)*

 [***Summary***](http://www.ict-21.ch/com-ict/IMG/docx/03-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/03-presentation.pdf)

**Activities of the ICES Foundation vs SDGs**

by [*Dr. Robert Bishop*](http://www.icesfoundation.org/Pages/PersonProfile.aspx?id=3) *President & Founder* [*ICES Foundation*](http://www.icesfoundation.org/Pages/CustomPage.aspx?ID=1)

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/04-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/04-presentation.pdf)

* **During the break (14h00 to 14h30) Remote participants on comments around recommandations**
* **Workshop part 2 (14h30 – 16h15)**

**Globalisation has so far worked by increasing specialisation, both in knowledge and in centralising manufacturing around the world, because it was more efficient to have things co-located.**

*By* [***Paul Bristow****, one of the co-founders of Pangloss Labs, an expert ‘maker' and strategy/technology consultan*](paul%40panglosslabs.org)*t.*

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/05-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/05-presentation.pdf)

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[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/06-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/06-presentation.pdf)

**WORLD BANK OF HAPPINESS [WBOH.ORG](http://WWW.WBOH.ORG)**

*By* ***[Laurence Reginald Maitre](https://docs.google.com/document/d/1pt1BQVtX4ae16TutxhlxSPkTHthzxGsJ8yATyTqcJY4/pub)***

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/07-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/07-presentation.pdf)

**ICT for Resilience : Disaster Risk Reduction … Digital Equity and Human rights**

*By* [*Yuko Murayama, IFIP Vice President, chair of the domain committee on IT in DRR*](http://knukim.edu.ua/wp-content/uploads/2017/03/170309-murayama.pdf)

[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/08-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/08-presentation.pdf)

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[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/09-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/09-presentation.pdf)

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[*Summary*](http://www.ict-21.ch/com-ict/IMG/docx/10-summary.docx)

[*Presentation*](http://www.ict-21.ch/com-ict/IMG/pdf/10-presentation.pdf)

**The outcomes and recommandations will be published till the end of the week of this WSIS Forum 2017**

**For any supplementary information send a mail to the organizer :** **raymond.morel@gmail.com**