Synopsis of

"Creating Electronic United Nations"

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PROJECT SUMMARY

I. Overview:

This project will foster logical thinking for the justice, the central concept of democracy, among future policy makers with the combined use of qualitative and quantitative analyses. This project framework will also enact the bottom-up participatory democracy and global collaboration through Internet. It will then ultimately contribute to sustainability along with the climate change and to international conflicting issues by transforming adversaries to collaborators for confrontation-prone problems.

Making rational decisions requires both qualitative and quantitative skills. The former is interpersonal skill to achieve the goal through negotiation to reach the optimal agreement for all participants. The latter is the skill to find the objective and optimal solution for complex problems with simulation model. Today these two skills are both imperative for rational decision-making by the policy makers, yet the training schemes for the leaders have not combined these two skills as one package.

The Paris climate pact in December of 2015 was a historical success with the 195 nations' pledges to reduce the greenhouse gases warming. Their next steps are to honor their pledges accountable and to improve significantly on them in the years to come. This will require regular and transparent global cooperation with collective and shared responsibilities in democratic fashion. We plan to achieve this cooperation as interlinking their individual country's simulation models through broadband Internet.

Despite to the urgency of climate change, the global cooperation has not produced a tangible result, because of the lack of the framework based on the shared rational decision-making skills among the policy makers. Creating the leaders and the frameworks that promote rational decision-making is urgent and indispensable. This project will develop the appropriate leadership among the future policy makers and the framework for their collaboration.

Qualitative (role-playing) normative gaming has been used in international political science at the Columbia University (References (a)). We will combine it with (model-based) quantitative simulation of Nigeria, which was constructed by the Ministry of Environment of Nigerian government with Millennium Institute (Reference (b)) as producing the one package deal. This combined use will be a significant paradigm shift in the international political science field with the fusion of humanity and science.

The successive stages will invite major universities in Nigeria and Ghana, etc. We will then produce video-oriented educational material out of this exercise at Columbia University. This will later be used for the solicitation of participants from ECOWAS and Nile river basin countries. We will transplant this procedure to Long Island University in NY and the Ghana-India Kofi Annan Center of Excellence in ICT in Ghana, and then will conduct the inter-linkages of models among ECOWAS countries and among Nile River basin countries, thus forming a prototype of the "Electronic African Union."

For smooth coordination, we will conduct videoconferences with parties every two months. We plan to conduct similar activities later with various major universities in Nile River basin countries, and elsewhere around the world. We have already made facts-finding trips to Nigeria and Ethiopia as visiting a half dozen higher educational and health institutions in each of those countries.

The repetitive mode of the model will create a simulator/trainer for daily policy analysis and decision-makings, so that users in developing countries can participate with academic excellence around the world and unleash creativity with their brilliant brainpower in globally collaborative fashion. This scheme for decision-making exercises will also enable participation of the ordinary citizens with their cell-phones thus promoting bottom-up participatory democracy based on facts and figures rather than exclusively upon hunches, habits or traditions.

This project will also promote globally collaborative democracy with our patent-pending procedure on the inter-linking mechanism of distributed socio-economic-energy-environmental simulation models in those participating countries together. These activities will then lead to the possible creation of "Electronic African Union" and eventually "Electronic United Nations," as improving the FUGI world model of Soka University of Japan, which currently has 194 countries' sectors and 6 UN sectors. This approach will be a stark contrast to the conventional climate models, which aggregates every countries as ignoring the national boundaries because of inevitable natural phenomena.

II. Major Coalition Members:

- 1. The School of International and Public Affairs (SIPA) at Columbia University will conduct teaching with the combined use of normative gaming and quantitative simulation in international political science field focusing firstly on Nigeria and later ECOWAS and Nile River basin countries,
- 2. The Stevens Institute of Technology coordinates participating parties as organizing workshops twice annually, and maintains a central computer through which exogenous data will be exchanged among the participating parties' simulation models,
- The Millennium Institute will provide the expertise on system dynamics simulation modeling,

4. The GLOSAS/USA will globally coordinate this project.

III. Reference:

(a) INAF U4420: Oil, Rights and Development

https://www.dropbox.com/s/j0gge6galx86tcl/INAF%20U4420%20Oil%20copy.pdf?dl=0

(b) Guide to Navigating the T21-*PCM-*Nigeria AAP Model

https://www.dropbox.com/s/x9roe13f2dmhz3g/Guide to Navigating the T21 Nigeria AAP Model copy.pdf?dl=0>

IV. Project Personnel:

Victor Lawrence, Stevens Institute of Technology, PI

Supervise the global center of this project, construct and maintain inter-linkage program among distributed simulation models

Jenik Radon, Columbia University, Co-PI

Conduct a paradigm shift in international political science with the combined use of normative gaming and quantitative simulation, which will later be extended to ECOWAS and Nile River basin countries

Hans Rudolf Herren, Millennium Institute, Co-PI

Supervise system dynamics simulation

William A. Massey, Princeton University, Co-PI

Assist Victor Lawrence

Takeshi Utsumi, GLOSAS/USA and GUS, Co-PI

Global coordination of this project

V. Collaborators:

Richard L. Field, Law Office of Richard Field

Assist Utsumi

Fumiko Sasaki, Long Island University

Assist Utsumi and Prof. Radon

James Chladek, Merge Media

Construct video-oriented educational material

Ralph. C. Huntsinger, California State University, Chico

Technical Director to supervise simulation modeling

Greg Cole, GLORIAD

Provide advise on broadband Internet

Thomas Mensah, Lightwave and Wireless Systems Inc.

Provide advise on broadband Internet

P. Tapio Varis, GUS/UNESCO Chair

Provide advise on global e-learning

VI. Overseas Collaborators:

AFRICA:

Benin, Prof. Daniel Nougbégnon Dalohoun, Université d'Abomey-Calavi

Gambia, Prof. Muhammadou M. O. Kah, University of The Gambia

Ghana, Ms. Dorothy K. Gordon, Ghana-India Kofi Annan Center of Excellence in ICT

Nigeria, River State University of Science and Technology

Rwanda, Prof. Etienne Ntagwirumugara, University of Rwanda

Sierra Leone, Prof. Jinnah S Momoh, University of Sierra Leone

Tanzania, Prof. N. H. Mvungi, University of Dar es Salaam

Japan: Akira Onishi, Soka University, to provide FUGI world model

Canada: Allenna Leonard, Ph.D., International Society for Systems Science, Advisor

Netherlands: Dr. Dorien J. DeTombe, International Research Society on Methodology of Societal

Complexity to provide advise on complex social system analysis

Turkey: Yaman Barlas, Ph.D., Bogazici University, to guide system dynamics simulation