

**Global Socio-Economic-Energy-Environment Development (GSEED) Project**  
**Suggested Text by Prof. DeTombe (in bold face) (November 5, 2007)**

The Global Socio-Economic Energy Environment Development (GSEED) Project focus on energy security with the deployment of gas pipeline from Tomsk, Siberia to China, and the construction of hydroelectric dam in the Republic of Altai Siberia.

The gas pipeline will affect the socio-economic developments of China, and hence the ones of Japan, the US, Europe and others. Japan will increasingly depend on the energy (oil and gas) supply from Russia, and uranium from Kazakhstan.

**The construction of hydroelectric dam in the Republic of Altai Siberia will effect the five UNESCO World Heritage sites** in the Republic of which attracts an increasing number of tourists (400,000) into small town of Gorno-Altai with only 9,000 residents.

**The goal of the (GSEED) Project is to find a sustainable solution for this complex societal problem. A solution that is acceptable for all parties without harming the environment and the quality of living in the Altai Region of Siberia.**

A sustainable solution can be found by an integrated approach of **multidisciplinary qualitative and** quantitative policy analysis of global interrelations and interdependencies among the involved countries **and in discussion with all the integrated stakeholders of the surrounding states concentrating in the Altai Region Siberia. By including the knowledge, power and emotion the energy problem will be analysed according to the directions of the COMPRAM method (DeTombe, 1994). The COMPRAM methodology is developed by DeTombe (1994) to handle complex societal problems. Based on this analysis sustainable policy decisions can be made. In the analyses the integrated and synergistic approach among grassroots, government, university, stakeholder, etc. is used.**

**For using the models of the regions** graphic info modeling/mapping and potential "gaming" on key issues and solutions will assist each group's ability for standardized data gathering and situational analyses, projecting out possible outcomes for more informed decision making and activities. It brings together most sophisticated university-based mathematical modelling techniques **and social sciences skills** of experts and regular people who can then more easily see--at a glance--how issues and outcomes can impact and interact each other.

This project will train local experts for leadership development, in relation to strategic use of technologies and cooperation among stakeholders for more effective advocacy, informed policy, public understanding and participation and concrete community development.

None

(a) Polytechnic University [USA], to provide a database through which pertinent data are to be inter-exchanged among simulation models, and to provide administrative function,

(b) Prof. Akira Onishi [Japan], to provide Futures of Global Interdependence (FUGI) model, the world largest econometric model,

(c) The Millennium Institute [USA], to provide System Dynamic models of the United States, China, Bangladesh, Ghana, Guyana, Italy, Malawi, Somaliland, Tunisia and others,

(d) Novosibirsk and Tomsk State Technical Universities and Russina Academy of Sciences [Russia], to provide models of Altai region, Novosibirsk, Siberia and Russia,

(e) Fedosov Dmitriy Borisovich, Deputy Director of the State Establishment, Ministry of Education, Science and Youth

Policy, Republic of Altai [Russia], to provide local data,

**(f) Delft University of Technology [Netherlands], to provide models of Europe,**

(g) TOBB Economics and Technologies University [Turkey], to provide models of Turkey,

(h) McLeod Institute of Simulation Sciences (MISS) at California State University at Chico [USA], to provide assistance on simulation programming.

**(f) ( in stead of : 'Delft University of Technology [Netherlands], to provide models of Europe' change into)**

**Dorien DeTombe( Amsterdam, The Netherlands) will train and advice the local facilitators to work according to the methodology COMPRAM on the energy project of the Altai Region Siberia.**

Some ideas for the meeting in Brooklyn USA winter 2008 for the preparation of the GSEED project in the Altai Region Siberia.

1.Introduction of the GSEED project ( Prof. Dr. T. Utsumi)

2.Carefully definition of the GSEED project, including the definition of sustainability (all)

3 Each participant of the GSEED project explains their contribution in the project to each other (all)

4 Dorien DeTombe will explain to the participants in the GSEED project the COMPRAM methodology and how the contributions of the participants (modelling etc.) can be integrated in this multidisciplinary approach of knowledge, power and emotion in handling the energy problem in the Altai Region in Siberia, and how to reach sustainable solutions in this issue including all the stakeholders and their goals. Dorien DeTombe will train and advice the local facilitators to work according to the methodology COMPRAM. The COMPRAM methodology is developed by DeTombe ( 1994) to handle a complex societal problem like that of the energy issue in Altai Region.

5 Finding a legitimate problem owner and facilitators for the energy problem of the Altai Region Siberia.

6 Discussing the role of each participant in the GSEED project.

7 Re-definition of the GSEED project

8 Funding of the GSEED project

9 Time and task schedule of the GSEED project

appendix 1:

Six steps of COMPRAM methodology

step 1 analysis and description of the problem by a team of neutral content experts

step 2 analysis and description of the problem by different teams of actors

step 3 identification of interventions by experts and actors

step 4 anticipation of the societal reactions

step 5 implementation of the interventions

step 6 evaluation of the changes

see for more info about the COMPRAM methodology

<http://www.geocities.com/DorienDeTombe>

appendix 2: article on the COMPRAM methodology (included article)