Description
We offer the creation of new manufacture of “siliconorganic compounds” on a basis of row materials existing in Georgia (quartz, copper), i.e. production of siliconorganic monomers, oligomers and polymers and their application.

Innovative Aspect and Main Advantages
As it is known, Georgia is rich with its row materials such as quartz, copper. Since 1981 there is a laboratory in Tbilisi State University, which specializes on direct synthesis of siliconorganic compounds. Our proposal is directed to organization of new factory for producing of various initial organochlorosilanes by direct synthesis and products on their basis. It is possible to involve in this project collaborative production for Azerbaijan and Armenia as well.

Above mentioned project ensures creation of manufacture of siliconorganic compounds (siliconorganic monomers, oligomers and polymers). Varnishes, dyes, hermetic and other products will be produced.

The innovative project can make a big profit in case of its realization. Yearly average and entire profits directly depends on production scale and types.

Areas of Application
The consumers of this innovation can be countries of Caucasus and the Near East.

Stage of Development
Conceptual stage.

Contact Details
Tbilisi State University
Department of Exact and Natural Sciences
Contact persons: Prof. Mukbaniani
Prof. Aneli, Dr. Tatrishvili
Dr. Markarashvili, Dr. Achelashvili
0128 Tbilisi, Georgia
Tel.: (+995 32) 25 0475
Fax: (+995 32) 25 0475
E-mail: omarimu@yahoo.com

Fig.1. Spheres of usage of siliconorganic compounds.