



## **Dynamics of climate and world history**

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EGU General Assembly 2011  
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The main historical events are connected both with solar activity (Tchijevsky, 1924) and with global temperatures. The last is controlled by and tectonic processes but solar. The effect of volcano eruptions is significant too. The global climate is under control of factors having both earth and space origin. Global warming took place from XVII century till 1997. Then global cold snap began. The communists historians suggested that world history is based on class struggle. Russian scientists L.Gumilev (Gumilev, 1990) suggested such phenomena as “passionarity”. That is number of directed mutations stimulating locomotion activity of peoples and revolutionary emergent. Despite of the fact of great honor of Gumilev, author suggests impossibility on multiple directed mutations. The climate changes were more important for people migration. Fig. 2 summarized literature and Internet data on global temperature dynamics.

Temperature decrease during 4 – 5 century after Christmas was prerequisite for decrease of agriculture of North Europe. That stimulated migrations of some peoples to Mediterranean. This stimulated falling dawn of old Roma. Social destruction of this society accelerated this process. Temperature increase during 9 – 10 centuries stimulated social progress at the North Europe. Old Russia was founded having capital in Staraya (Old) Ladoga. Then center migrated to more south cities such as Kiev and Moscow. Decrease of temperature in North hemisphere stimulated nomadic peoples of Asia for migration. The basis of their food industry was stock-breeding needing a waste pastures. Crop-breeding was unable for the nations. Nomad aggression for Russia had tragic results. At last, Russia as a strong state got freedom from east occupation.

The hot temperature limited ices boundary to north. Colonization of Greenland and North America by Vikings began. Some centuries latter climate began colder and Greenland was transformed to Whiteland. Colonization was stopped. The back discovery and colonization of America was begun at 1492 by Column. Great geographical discovers were directed to tropical regions. The temperature minimum (little ice age) was accorded to crisis of Middle Ages and begin of New Time. Cold time stimulated social turn to capitalistic societies. The warming prolonged till 1997 and then temperature turned to cold (www.egu).

Hence we would get a new understanding of world history as class struggle taking place in accordance to global climate and ecological processes.