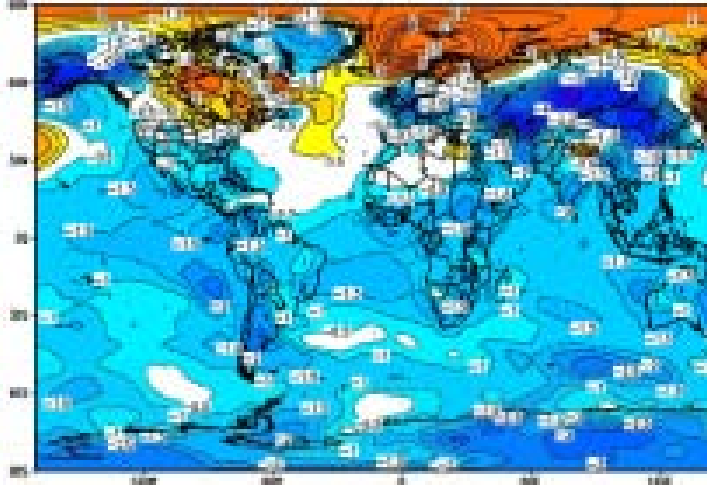


**“A project for the study of an underground tourist centre to
be used in the event of a hypothetical nuclear winter”**

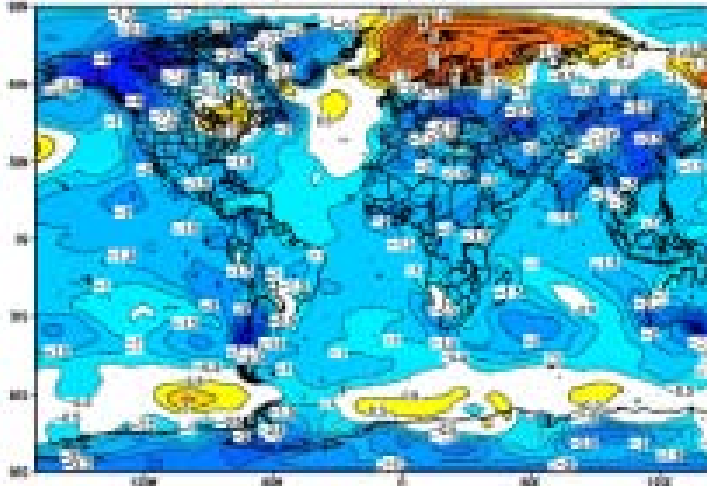
**by
HR-Stamenov**



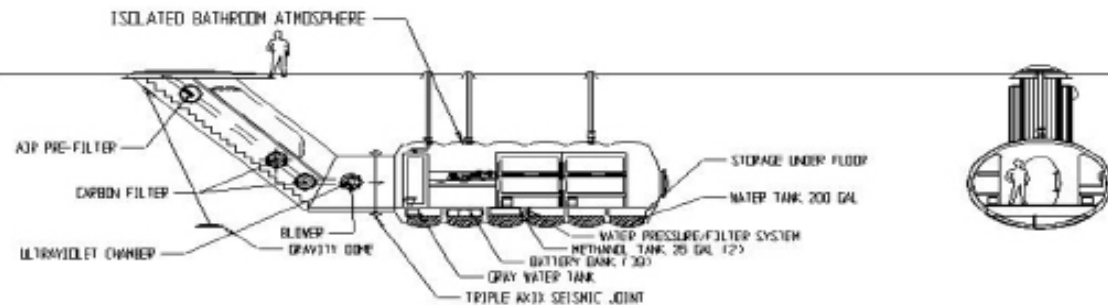
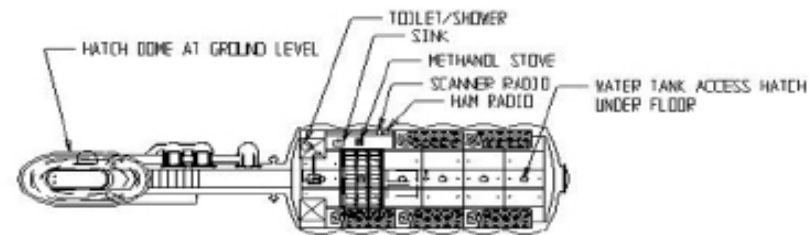
Change in SAT (°C) DJF Year 0-1



Change in SAT (°C) DJF Year 1-2



In the period following a hypothetical thermo-nuclear war, the earth's surface would experience "nuclear winter". Particles of carbonized matter, radioactive dust and any other substance capable of being raised by the wind would form a sun-blocking shield that would cause the atmosphere temperature to drastically drop. A combination of low temperatures, permanent darkness and radiations generated from nuclear explosions would cause such climatic changes capable of compromising animal and vegetable life, and would have devastating effects on the ozone layer as well. Under such conditions the only chance of survival for the human race would be to turn to underground buildings.



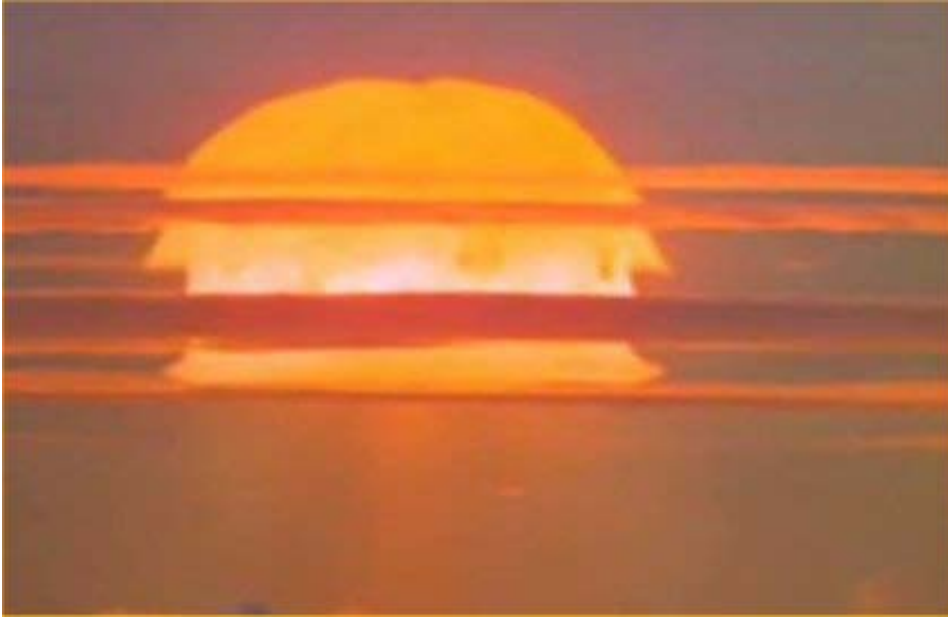


As we try to imagine life inside an underground structure, I'd like to point out the negative psychological effects that this type of building would bring on to individuals. The drastic lifestyle change would yield a number of psychological problems, among which are claustrophobia, panic attacks, depression and nostalgia



The purpose

of this research art project is to conceive an area inside a complex nuclear shelter to be like a traditional beach environment that would allow inhabitants to go on vacations. Such a place would have positive influence upon the survival community and would prove to be an effective tool to fight widespread depression.



Project developing consists of two main sections:

- 1) a theoretical study on the possibility of building an underground selfsufficient urban enviroment, highlighting:
 - the possibility of filtering oxigen.
 - use and managment of water resources.
 - potential renewable energy sources.
 - the possibility of growing food in an underground indoor plant.
 - the possibility of building infrastructures under the given conditions
- 2) planning the “underground tourist centre to be used in the event of a nuclear winter”, including:
 - scouting a suitable site among existing bunkers or underground buildings in the nearby region
 - assessment of technical possibilities within the chosen site (electricity, water, accessibility etc.)
 - choice of materials needed for building
 - ways and procedures for developing the site