



# WG GIS and Sustainable Development

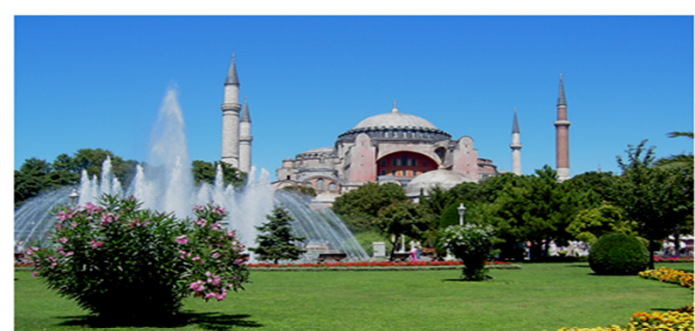
<http://susgis.net>



## ICA Academic initiative on Continuing Education Workshops

We had initiated development of International Continuing Education Workshops in Ukraine, Turkey and China. The purpose of this initiation is to improve professional cartographic knowledge and mapping skills of practitioners who work in the field of GIS projects development and implementation since these specialists are the more and more frequently facing with problems of search and evaluation of different map sources for cartographic databases creation, as well as with problems of map visualisation and thematic maps modelling on the GIS basis. Thus the lack of professional cartographic knowledge and mapping skills decreases the quality and efficiency of GIS project development and use.

### Extension courses 2007-2010



**Extension courses**  
on modern problems of  
cartography and GIS  
have been organized

- ✦ in Sevastopol (Ukraine)
- ✦ Istanbul (Turkey)
- ✦ Urumqi (China)
- ✦ Altay (Russia)



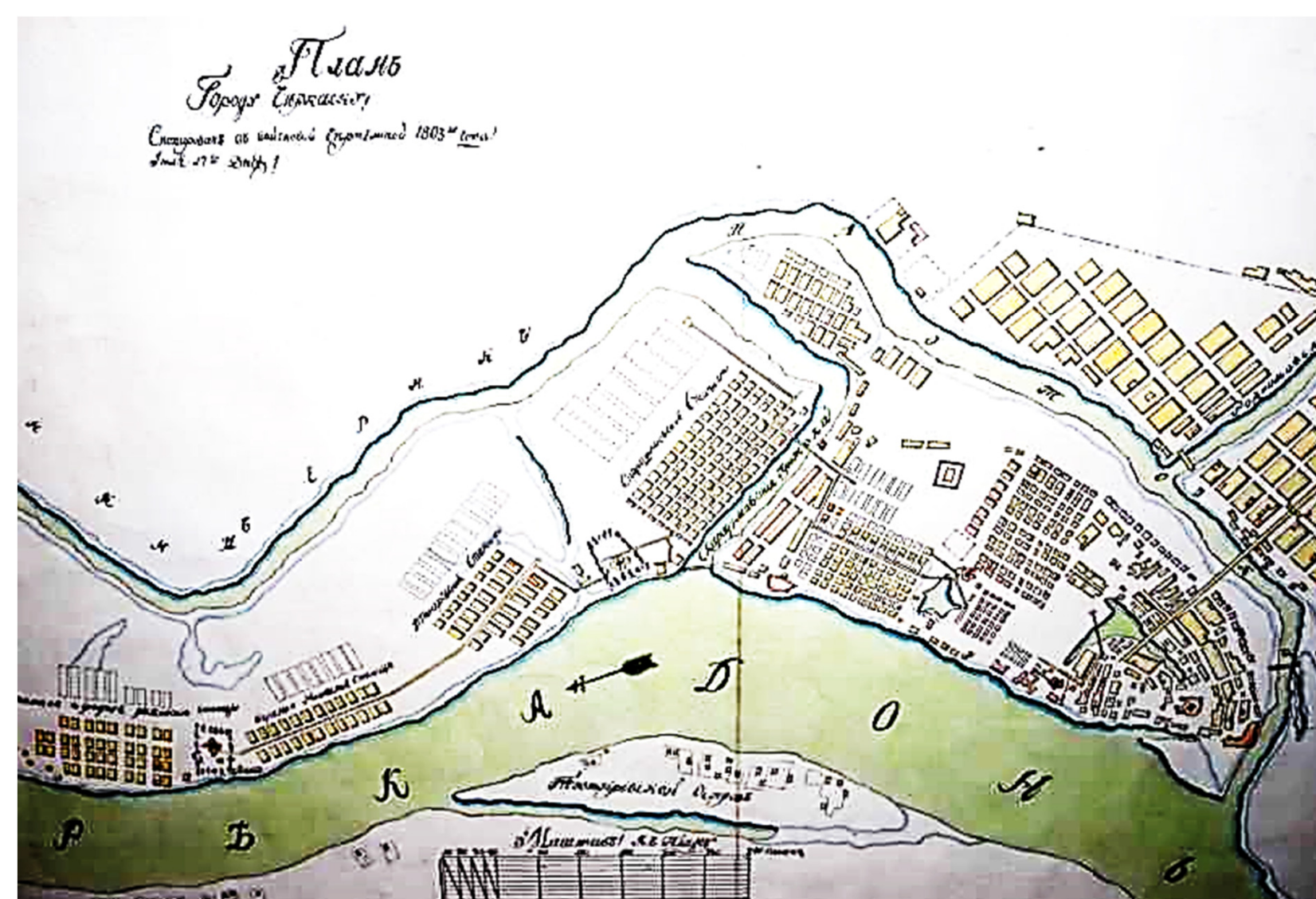
The Benefits of ICA Education Workshops for GIS practitioners are following:

- Definition and protection an area of professional cartographic knowledge and mapping skills which are necessary to learn and apply in GIS project development and implementation.
- Establishment and maintenance of high standards of cartographic knowledge and mapping skills applying in GIS activities.
- Encouragement for cooperation of Cartographers and GIS Specialists in the field of GISystems and GIScience.
- Establishing and maintenance professional links to National and International Geographic and GIS educational bodies.
- Development cooperation between ICA and companies producing GIS software and Geospatial data.

**2011 International Summer School** "GIS support for Russia and CIS countries modernization. Organizational, technological and human capacity". Perm (Russia), Sept.25/Oct.8, 2011

## Terms of Reference

- To produce a program for GIS and Cartographic basis of sustainable development (SD) of territories. Creation of some its modules.
- The organization of uniform actions (including performance of projects, holding conferences etc.), on which experts from the different spheres would be involved. In particular to hold the conference that will unit the different experts interested in sustainable development of territories. The press will be involved for propagation of achievements of cartography and GIS.
- To organise a regional workshops and summer-schools on GIS and Cartography for developing SD projects
- To provide the connections and performance of teamwork, holding conferences, schools with the adjacent organizations - the commission on geographical information sciences IGU, CODATA, Digital Earth, UNIGIS etc.
- To continue the work on realization of international conferences InterCarto, which since 1994 were annually carried out in Russia and in the other countries.
- To encourage and support the involvement of student cartographers in the working group activities.



## The Series of INTERCARTO/INTERGIS Conferences

InterCarto 1 Moscow (Russia), May, 1994  
InterCarto 2 Irkutsk (Russia), June, 1996  
InterCarto 3 Novosibirsk (Russia), January, 1997  
InterCarto 4 Barnaul (Russia), July, 1998  
InterCarto 5 Yakutsk (Russia), June, 1999  
InterCarto 6 Apatity (Russia), August 2000  
InterCarto 7 Petropavlovsk-Kamchatsky (Russia), July 2001  
InterCarto 8 Helsinki (Finland), St.-Petersburg (Russia), May 2001  
InterCarto 9 Novorossiysk (Russia), Sevastopol (Ukraine), June 2003;  
InterCarto/InterGIS 10 Vladivostok (Russia), Changchun (China), 2004  
InterCarto/InterGIS 11 Stavropol-Dombai (Russia), Budapest (Hungary), September, 2005;  
InterCarto/InterGIS 12 Kaliningrad (Russia), Berlin (Germany), 2006  
InterCarto/InterGIS 13 Khanty-Mansiysk (Russia), Yellowknife (Canada), August 2007;  
InterCarto/InterGIS 14 Saratov (Russia), Urumqi (China), 2008  
InterCarto/InterGIS 15 Perm (Russia), Ghent (Belgium), 2009  
InterCarto/InterGIS 16 Rostov-on-Don (Russia), Salzburg (Austria), 2010  
InterCarto/InterGIS 17 Altai (Russia), Bali (Indonesia) 2011  
InterCarto/InterGIS 18 St. Dié (France) / Smolensk (Russia), 2012

One major extension of the scope of INTERCARTO Conferences during recent years is the inclusion of aspects from Digital Cultural Heritage which is especially evident in risk situations.

