

ICA Commission on Planetary Cartography

08/2003 to 08/2007 (<http://www.nasm.edu/ceps/ica/>)

based on the Planetary Cartography Working Group (1995-1999).

2). **Chairperson:** Kira Shingareva (Russia³). **Co-chair:** Jim Zimbelman (USA)

Members: Ph.Stooke (Canada), M.Buchroithner (Germany), Ms. O.Waelder (Germany), E.Dorrer (Germany), E.Kastorny (Moldova), V.Kaidash (Ukraine), Yu.Shkuratov (Ukraine), Henrik Hargitai (Hungary), J.Rodionova (Russia), S.Pugacheva (Russia), R.Peres (Spain), B.V.Krasnopevtseva (Russia), L.Bugaevsky (Russia), V.Savinykh (Russia), M.Waehlich (German), I.Karachevtseva (Russia), E.Cherepanova (Russia), E.Lazarev (Russia), T.Duxbury (USA), R.Kirk (USA), Ms. M.Randyarv (Estonia).

Corresponding members: R.Arvidson (USA), J.Blue (USA), D.Crown (USA), K.Edgett (USA), G.McGill (USA), H.Morgan (USA), T.Parker (USA), K.Tanaka (USA), S.Williams (USA), V.Hansen (USA), Ch. Acton (USA), S.Leonenko (Russia), A.Kurpichev (Russia), M.Waellish (Germany), D. Baratoux (France), B.Kereszturi (Hungary), M.Nyrtsov (Russia)

Other affiliates: T.Bandrova (Bulgaria), A.Ruekl (Czechia), R.Pischel (Germany), D.Rosa (Croatia), T.Kundera (Poland), E.Peneva (Bulgaria), L.Rykhlova (Russia).

Activities according to the terms of reference.

a). **The preliminary structure of Specialized Planetary Cartography GIS is prepared for discussion in Moscow. (Some models are developed).**

b). **Gathering of material on planetary cartography is continuing.**

c). Development of a multilingual planetary map series. This effort was organized initially through the cooperation of Dresden TU (Germany) and Moscow State University of Geodesy and Cartography (Russia), later the University of Western Ontario (Canada) was coincided too. The first map in this series was a Mars Map with accompanying text in five languages (Stockholm, a preliminary version -1997, a final version -1999); the second map is a Venus Map (Beijing, a preliminary version -2001, a final version -2002); the third map is a Moon Map (St. Petersburg, preliminary version-2002, a final version -2003); the fourth map is Mercury Map (Durban, a preliminary version- 2003, **a final version -2004; the fifth map is Phobos and Deimos Map (La Coruna, a preliminary version - 2005, a final version - 2006).** **The whole series (Part I has 5 Maps of Terrestrial Planets and their Moons) will be demonstrated in Moscow at ICC2007.**

d) The next phase of the multilingual map series involves compilation of planetary maps on the same base as in the first part, but for additional language groups. For the first maps, we are preparing text in Polish, Czech, Bulgarian, Hungarian, and Croatian. The cooperation on this project is organized through Eotveos-Lorand University (Budapest, Hungary) and through consultation of Russian and German colleagues. Today Mars, Venus and Moon maps have already been published, and **the Mercury with Phobos and Deimos maps are in preparation.**

e). The first version of Glossary on Planetary Cartography (about 100 terms, English and Russian) was represented and discussed during the ICC in Beijing, 2001. It was prepared in cooperation with colleagues from Russia, USA, Germany, later Spain. The second Glossary version (about 220 terms) on 5 languages (English, German, French, Spanish, Russian) with cross intersecting is prepared and will be presented in Moscow, ICC2007.

f). very close contact with WG of Extraterrestrial Mapping (ISPRS, chair Randy Kirk), with IAU Commission on Solar System Nomenclature (G.Burba, V. Shevchenko and others), and with Prof. J. Albertz and others (DLR) etc.

6) **Seminars/Workshops**

During last 4 years the one Special session on Planetary Cartography (5 oral presentations) took place in frames of “Intercarto 10” (Vladivostok-China, June, 2004); one Special Session (4 oral presentations) prepared in frames of “Intercarto 11” (Stavropol-Budapest., August,2005); some members of Commission took part in the ICC Seminar on Children and Cartography (Madrid, July 2005 before ICC Conference in La Coruna) and in the first International Conference on “Cartography and GIS” (Borovetz near Sofia, Bulgaria, January 2006); the two Special sessions on Planetary Cartography (8 oral presentations) took place in frames of “Intercarto 12” (Kaliningrad-Berlin, August 2006). After ICC2007 in Moscow some Com.members will take part in “Intercarto 13” (Khanty-Mansiisk-Canada).

7). **Publications**

Kira B. Shingareva, Jim Zimbelman, Manfred Buchroithner, Henrik Hargitai

“The Realization of ICA Commission Projects on Planetary Cartography”, published in J. “Cartografica” (Canada) in February, 2006.

The compilation and printing of a multilingual map series of planets and their moons is organized under both the scientific and **(limited) financial support of ICA (Commission on Planetary Cartography).**

The papers of sessions and seminars were published in their respective proceedings.

The secondary version of Glossary on Planetary Cartography will be multiplied and represented during ICC2007 (Moscow, Aug.2007)).

8). **Business Meetings**

The following business meetings were held: 2003, June 28 at the “Intercarto 9” in Sevastopol (Ukraine); 2003, 14 August at the ICC 2003 in Durban (ZA), “Intercarto 10” (Vladivostok-China, June, 2004); “Intercarto 11” (Stavropol-Budapest, August,2005); “Intercarto 12” (Kaliningrad-Berlin, August 2006). ICC2007 (Moscow, Aug.07,2007).

9). **Future of the Commission**

a). To continue the documentation and analysis of the planetary cartography status within the international community.

b). Preparation to print and printing the multilingual Glossary of planetary cartographic terms after necessary correction and reduction (in 5 languages).

c). To continue the series of multilingual maps in two parallel directions; vis. to organize and print existing maps for new groups of languages (Italian and Co), and to compile and print maps of other Solar System Bodies. The next series will be included the moons of the giant-planets.

The Jo map is in work.

d). A new project on construction of a Specialized Planetary Cartography GIS.

e) To discuss the role of planetary cartography in the development of the Extraterrestrial Territory Geography, especially in connection with the global education process. The publication of the Education Program and the Textbook on this field.

Com. Poster will be presented on ICC2007 Conference.

July 28, 2007/Kira Shingareva, Jim Zimbelman