

TOPOGRAPHIC COVERAGE: TRENDS AND DYNAMICS OF THE WORLD TOPOGRAPHIC MAPPING

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The report presents the analysis of current situation in topographic mapping of the world, its trends and dynamics based on available publications.

The study was conducted with the use of multiple sources, mainly "World cartography", published by the cartographic sector of natural resource and energy division of the Department for technical cooperation and development of the UN Secretariat, as well as the most recent publications and catalogues of national mapping services. All in all more than 100 sources in various languages were reviewed and analyzed.

The results of analysis of topographic maps of different countries of the world were generalized and systematized. They are presented in ample summaries that feature the following:

- mapping and geodetic state agencies and the tasks they perform
- information on geodetic and mathematical base of topographical maps (ellipsoids, coordinate and height systems, projections, scales used for topographic maps)
 - topographical maps territorial coverage of countries and regions, time of publishing, reprinting and updating
- content of topographical maps.

A map portraying topographic coverage of the world as for the year 1997, was compiled for following groups of scales:

1:10 000 - 1:25 000

1:40 000 - 1:63 360

1:100 000 - 1:126 720

1:200 000 - 1:250 000

1:500 000

1:1 000 000

The dynamics of topographic coverage is shown in % for the years 1968, 1974, 1980, 1987 and 1997.

The diagrams displaying the areas of coverage by different categories of topographic maps (in %) are constructed for the main geographical regions: Africa, North America, South America, Europe, Asia, Australia and Oceania, and the former USSR. The availability for the public use of topographic maps of 1:100 000 scale and greater in different countries of the world, is presented by the map-scheme.