

Geologic Map of Southeast Asia

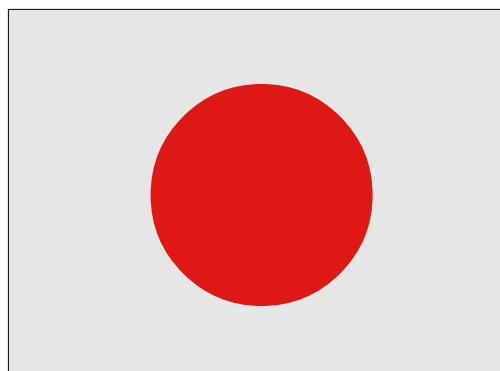
Another Large Project Completed Using TNTmips

Four digital maps at 1:2,000,000



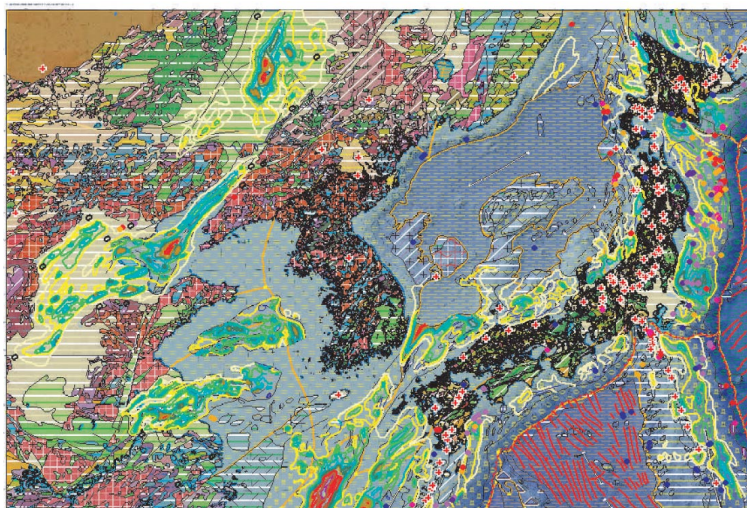
Revision for 2nd edition used TNTmips to:

- edit content to reconcile all classification units to current schema,
- edit content to match at edges of individual larger scale maps,
- lay out, style, and annotate new maps in English and Japanese,
- export from TNT native format to DLG-3 and ArcInfo coverage files, and
- distribute on CD in TNT native format (RVC), DLG, and coverage files.



10 member nations of the Coordinating Committee for Coastal and Offshore Geoscience Programmes in East and Southeast Asia (CCOP) digitized their available geologic maps by various means. Via technical committee meeting, these mapping units were unified. Using the expert services and support of the Geological Survey of Japan, these were assembled into vector layers in TNTmips and published as four 1:2,000,000 map sheets.

For more information and to order these maps on CD, please see www.gsj.jp/Map/EN/dgm.htm



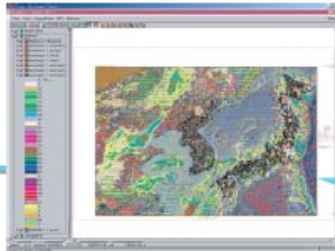
A color poster produced by the Geological Survey of Japan illustrating this mapping program and the maps being displayed in TNTmips is attached. The poster-sized original can be viewed and downloaded from www.microimages.com/documentation/cplates/67POSTERannotated.pdf

Geotectonic Map of East and Southeast Asia

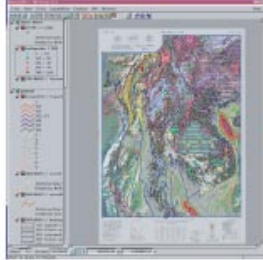
Sheets 1, 2, 3 and 8

CCOP-CPCEMR Geotectonic Map Project:

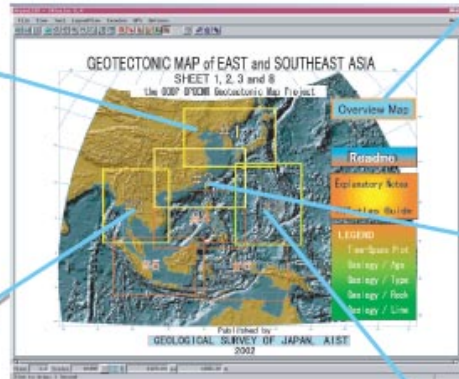
2002
Geological Survey of Japan
AIST



Sheet 1



Sheet 3

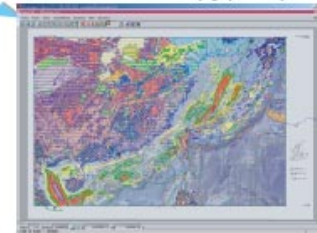


Home

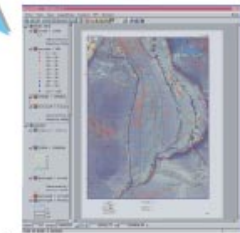


Overview Map

- Major City
- Earthquake
- Active Volcano
- Tectonic Provinces
- Topographic Group

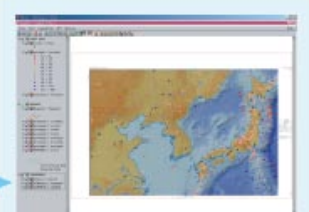


Sheet 2

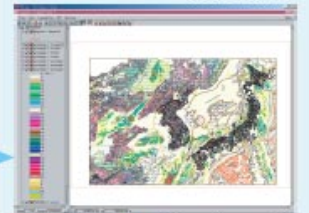


Sheet 6

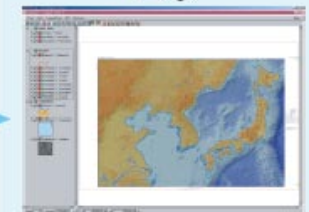
Layer Structure



- Point Data Group
 - Major city
 - Earthquake
 - Active volcano



- Geology Group
 - Magnetic anomaly
 - Isopach
 - Arrow
 - Rock
 - Type
 - Age



- Topographic Map Group
 - Land/Sea
 - Topographic map
 - Topographic shade

Digital Geotectonic Map of East and Southeast Asia:
 Sheets 1, 2, 3 and 8
 CCOP-CPCEMR Geotectonic Map Project
 Compiled and Edited by the Working Group of Geotectonic Map
 Digitized and Published by the Geological Survey of Japan, AIST, 2002

Working Group of Geotectonic Map
 Tadashi Sato, General Compiler
 Eitichi Honza, Chief Compiler for Marine Areas
 Kikuo Okumura, Digitization
National Compiler:
 China, Feng Zhiqiang
 Indonesia, Tohap O. Simanjuntak
 Japan, Keiji Wakita
 Korea, Hyun-II Choi
 Malaysia, Khoo Han Peng
 Philippines, Graciano P. Yumul, Jr.
 Thailand, Stengattit Chuvitroj
 Vietnam, Tran Van Tri

Short history of the production of the map
 The East and Southeast Asia Geotectonic Map Project was decided in 1986 at the CCOP Annual Session at Madan, Papua-New Guinea. The Working Group was composed of National Compiler nominated by the CCOP member countries in 1988. The Working Group met five times for map compilation, and produced first draft maps before 1992. While the maps have been coordinated by the General Compiler thereafter, the digitization began by the aids of the Geological Survey of Japan. The present CD-ROM is the second issue of the Geotectonic Map.

Illustration of the map
 Here is the illustration of the layer composition of the Map. From the Home Window a selected sheet can be opened. Each sheet is composed of thirteen layers.
 Examples of these layers from the Sheet 1 (China, Korea and Japan) are illustrated here on the left side of the window. Note that all the sheets are merged into one map, but the sheet classification survived for easy selection of the area.

Layers
 The Map is composed of the following thirteen layers. Any combination of layers is possible:
 Group: Point Data
 Layer p-1: Major cities
 Layer p-2: Active volcanoes
 Layer p-3: Earthquake
 Group: Geology
 Layer g-4: Magnetic anomalies
 Layer g-5: Fold axes
 Layer g-6: Sediment isopachs
 Layer g-7: Chalk boundaries
 Layer g-8: Igneous rock types
 Layer g-9: Tectonic Types and Age of the tectonic events
 Layer g-10: Age range of the map units
 Layer g-11: Tectonic provinces
 Group: Topography
 Layer t-12: Shaded 3D topography
 Layer t-13: Land/Sea
 Layer t-14: CCOP geographic map

On the left side column, the representative layers are shown. From top to bottom, the general outline of the sheet 5, successively followed by layers of point data (Volcanoes and others), line data (isopachs and others), polygon data (geology/rock, age and type), 3D shade and coast line, and topographic map.

Map units
 A coherent stratigraphic fraction of identical tectonic nature is designated as a map unit for all continental, oceanic and continental margin domains, and illustrated on the Map. These map units show the age range of the sequence, age of the tectonic events, and tectonic nature (basements, orogenic sediments, reactivated sediments and covers) by specific patterns and colors. The succession of these units in a given tectonic province is illustrated in the form of columnar section on the Time/Space Plot. Other linear and point data are also shown on the Map. Consult the Legend and Explanatory Notes for further information.

Software used
 MicroImage TNTImager software is used for map editing. The map is readable with MicroImage TNTAtlas software.

This is an outline of a TNTAtlas CD included in:

CCOP Technical Bulletin, Volume 31, 2002 to be printed by the Geological Survey of Japan (GSJ), National Institute of Industrial Science and Technology (AIST).

(for availability see www.ccop.or.th/publication/publication.html)