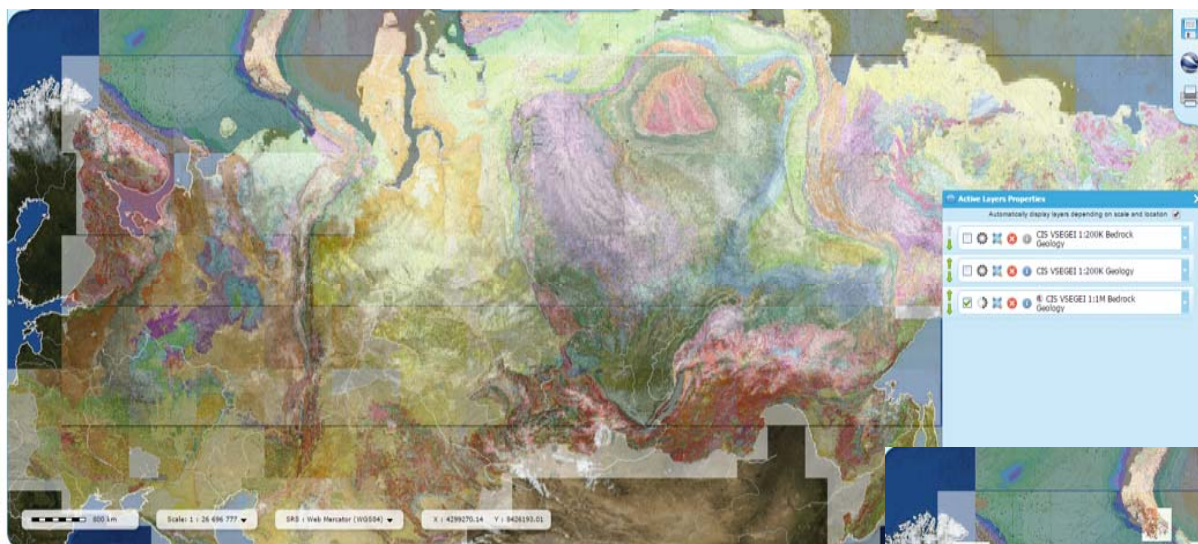


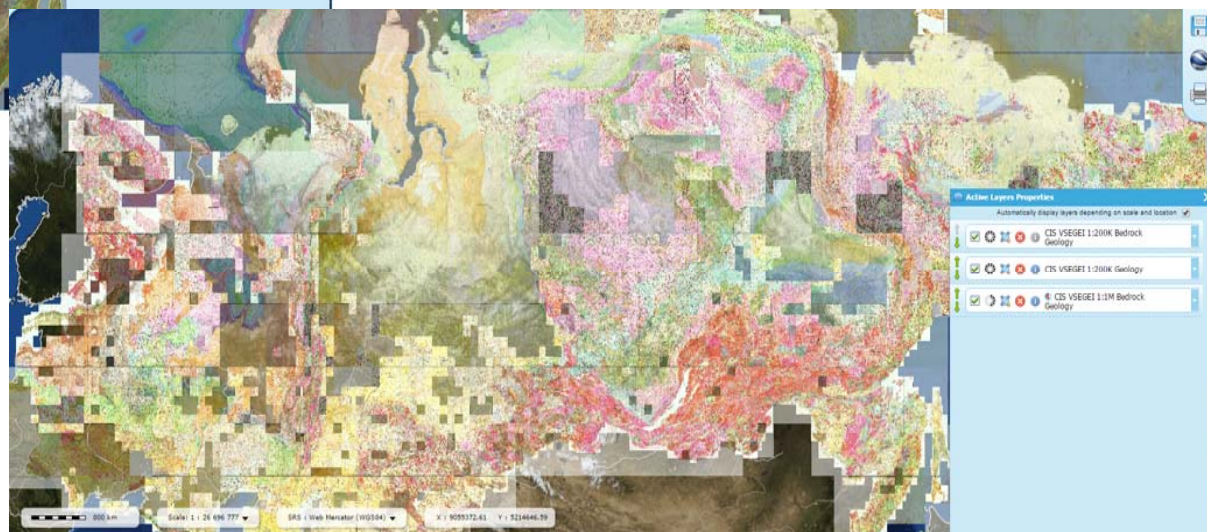
# **OneGeology Strategic Steering Committee Meeting, 17 November 2020,**

Oleg Petrov  
Russian Geological Research Institute (VSEGEI)

## Composites of raster geological maps at 1: 200,000 and 1: 1M scale for the Russian and CIS territories available through the OneGeology web portal



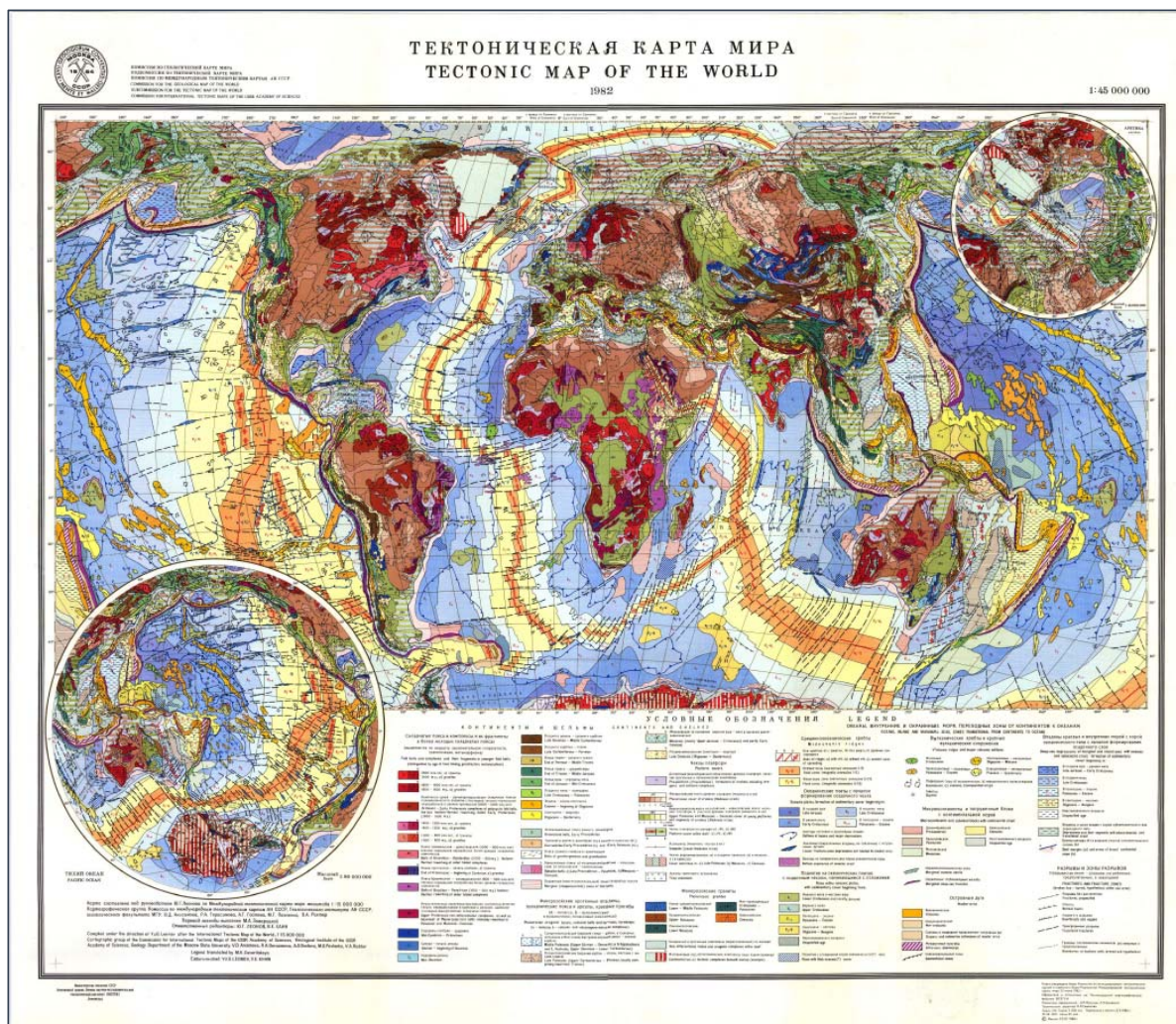
*Geological maps at 1: 1 000 000 scale for the Russian and CIS territories*



*Geological maps at 1: 200 000 scale for the Russian and CIS territories*



# The latest Tectonic Map of the World at 1:15 M scale was compiled in 1982 under the guidance of CGWM (Subcommission for the Tectonic Map of the World)



Academician **V. Khain**  
(1914-2009)



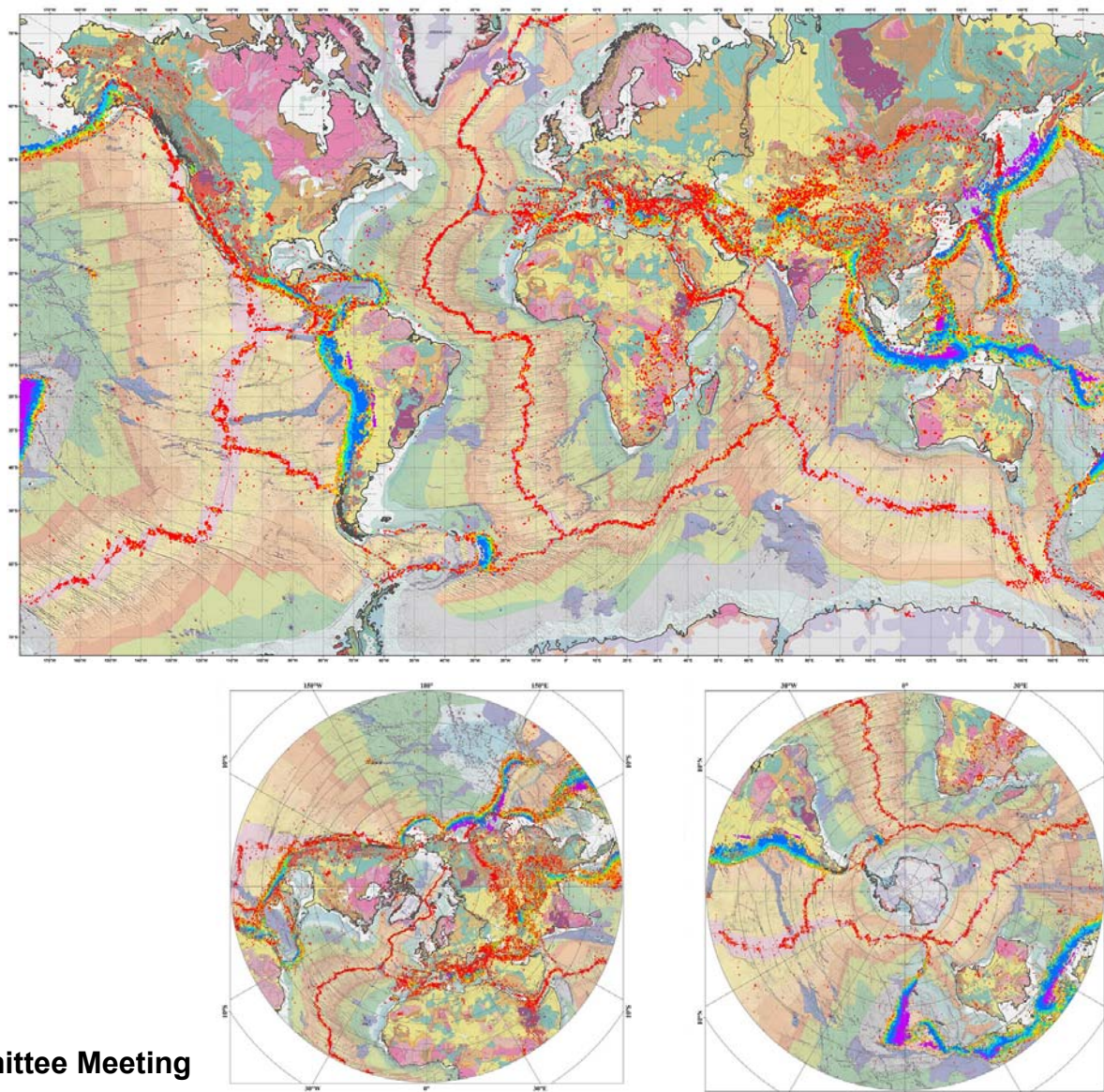
Academician **Yu. Leonov**  
(1934-2017)

The map was prepared by the cartographic team of the Commission for International Tectonic Maps under the Geological Institute of the USSR Academy of Sciences. It was designed and published at the VSEGEI cartographic factory in Leningrad, 1984.



## Scheme of the Tectonic map of the World' layout

The Commission for the Geological Map of the World found it appropriate and sensible to compile a new Tectonic map of the world

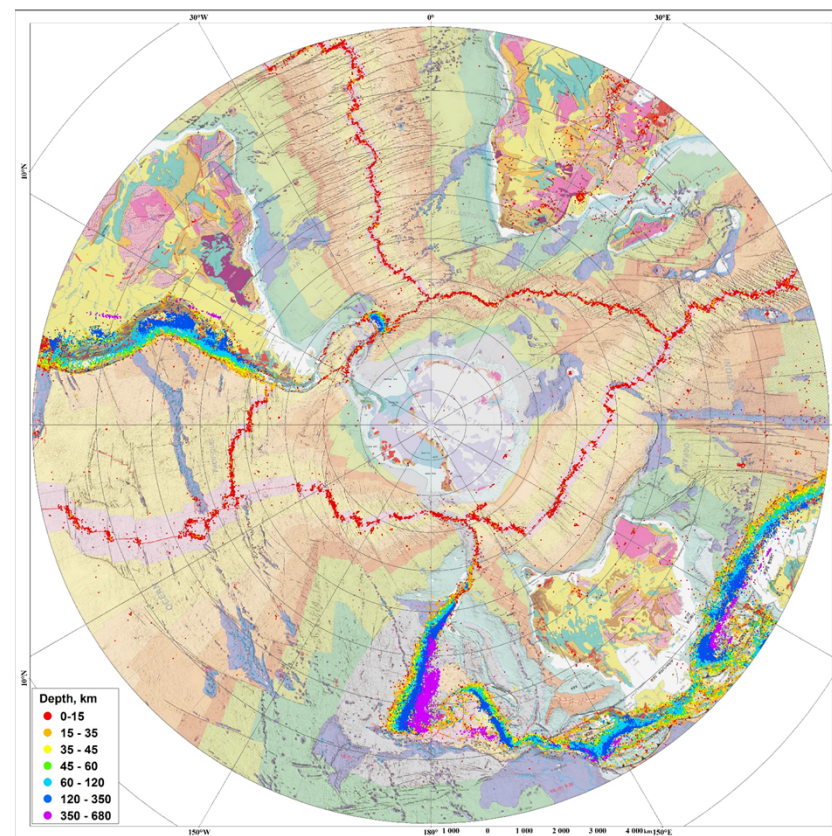
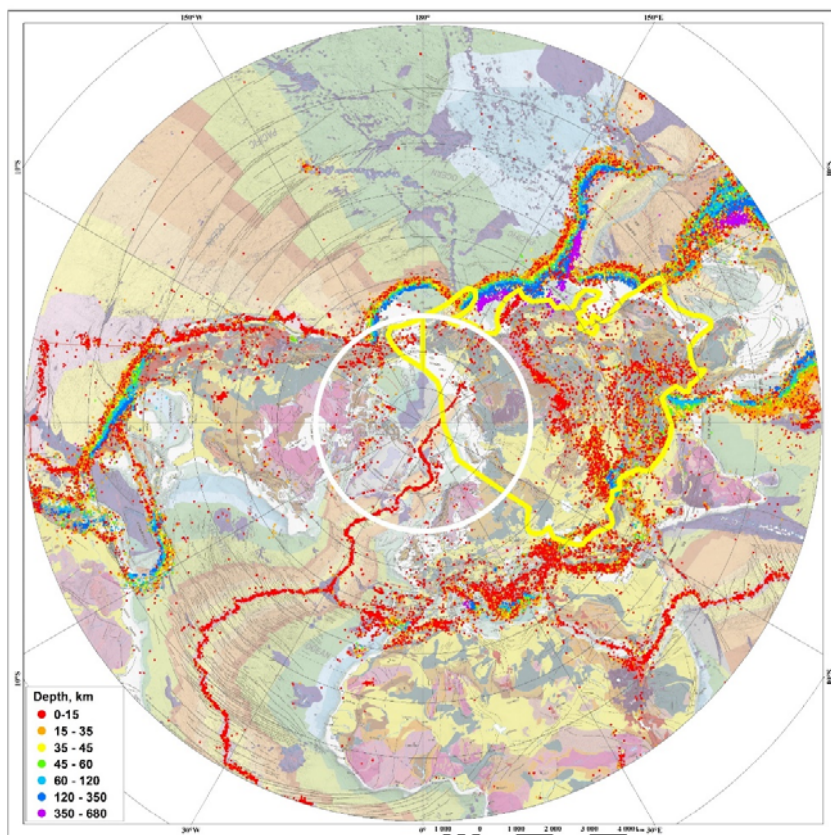


### LEGEND

The legend for the map will be based on the legends for the tectonic maps of the Arctic and Asia adapted for the scale of 1:35M.



**It is possible to understand the tectonic relationship of the lithospheric plates  
only on the scale of hemispheres**

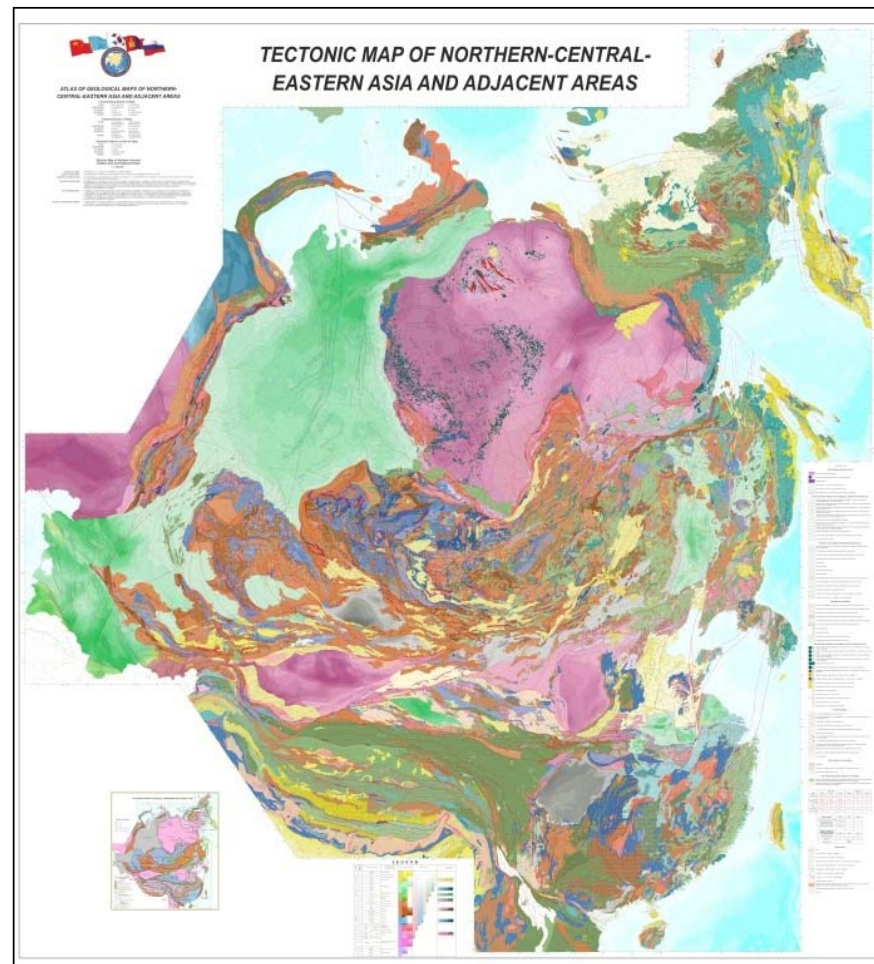
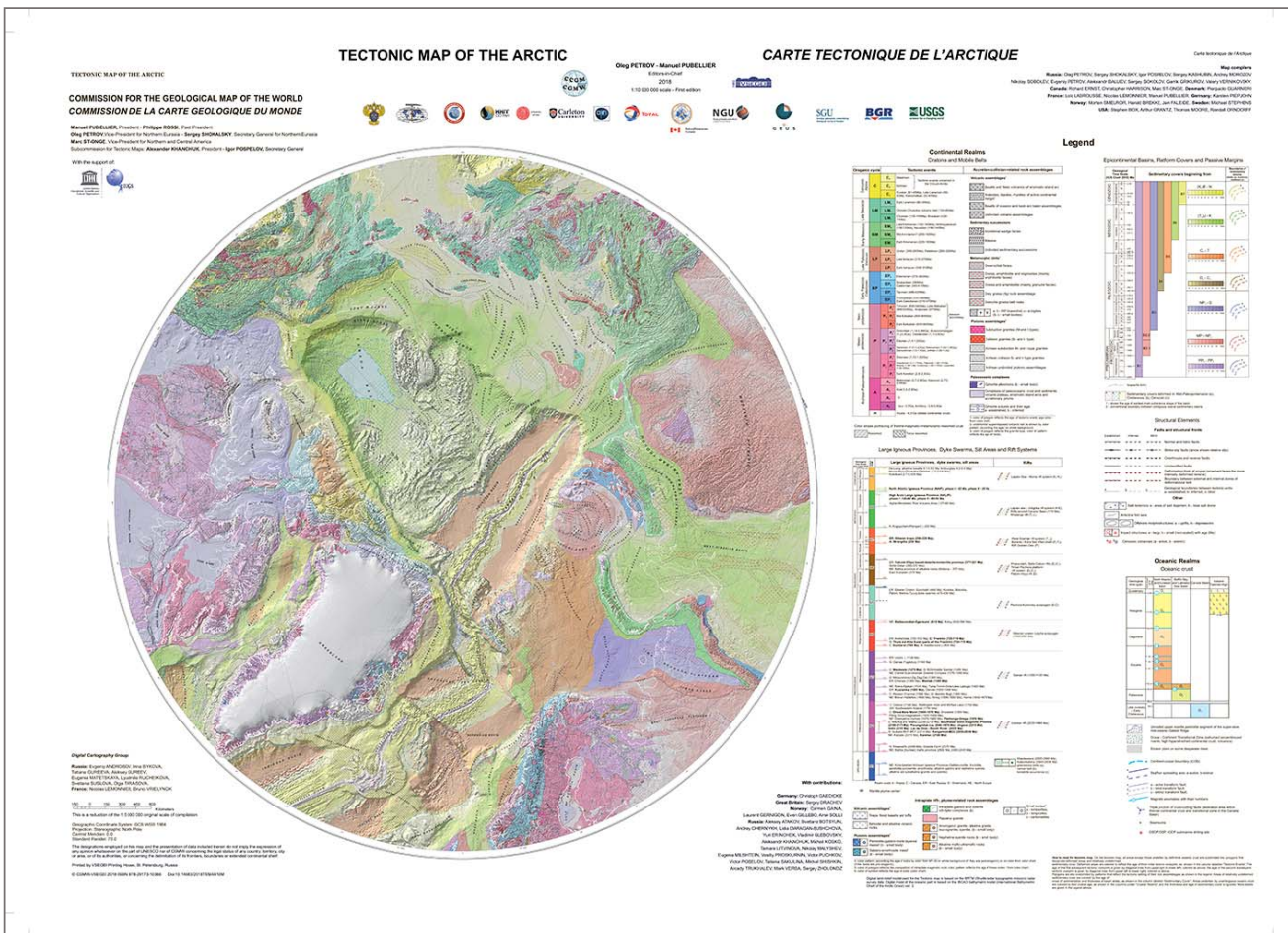


The contour lines show the territories of the international tectonic map of the Arctic and Asia compiled within recent international projects.



# Tectonic Maps of the regions

TECTONIC MAP OF THE ARCTIC  
Scale 1:10 M, CGMW, 2019

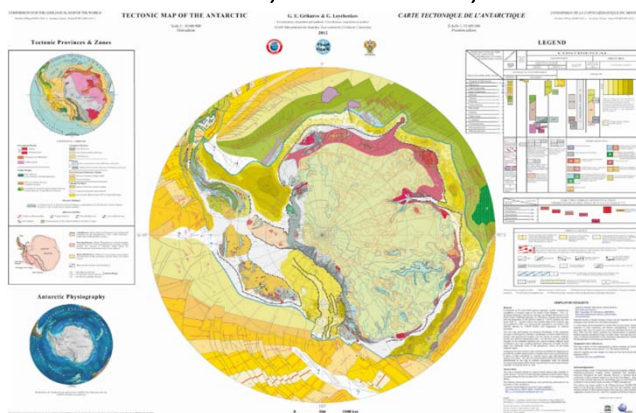


TECTONIC MAP OF NORTHERN, CENTRAL  
AND EASTERN ASIA, Scale 1:2.5M,  
VSEGEI, 2012

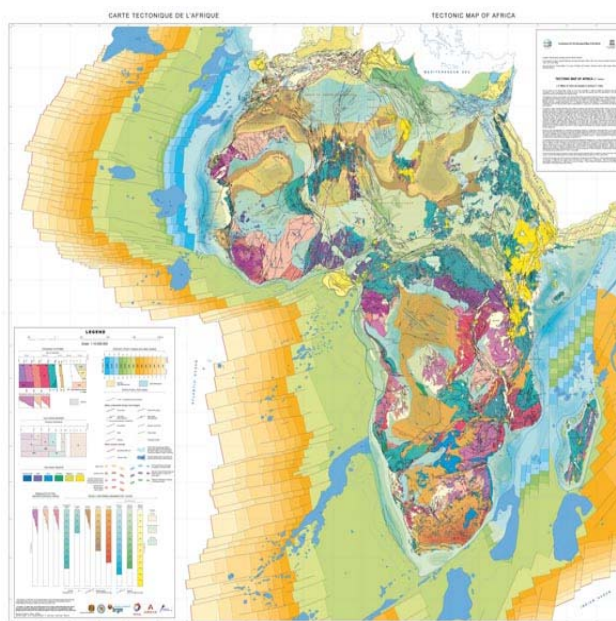


## Maps of continents compiled under the aegis of CGWM

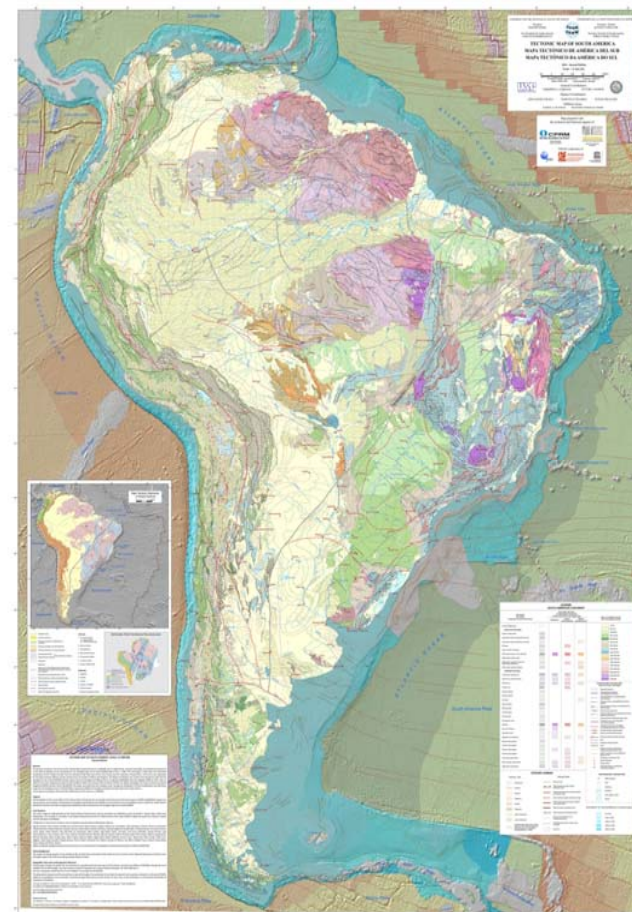
**TECTONIC MAP OF THE ANTARCTIC**  
Scale 1:10 M, CCGM-CGMW, 2012



**TECTONIC MAP OF AFRICA**  
SCALE 1:10 M, (2ND EDITION) CCGM 2010

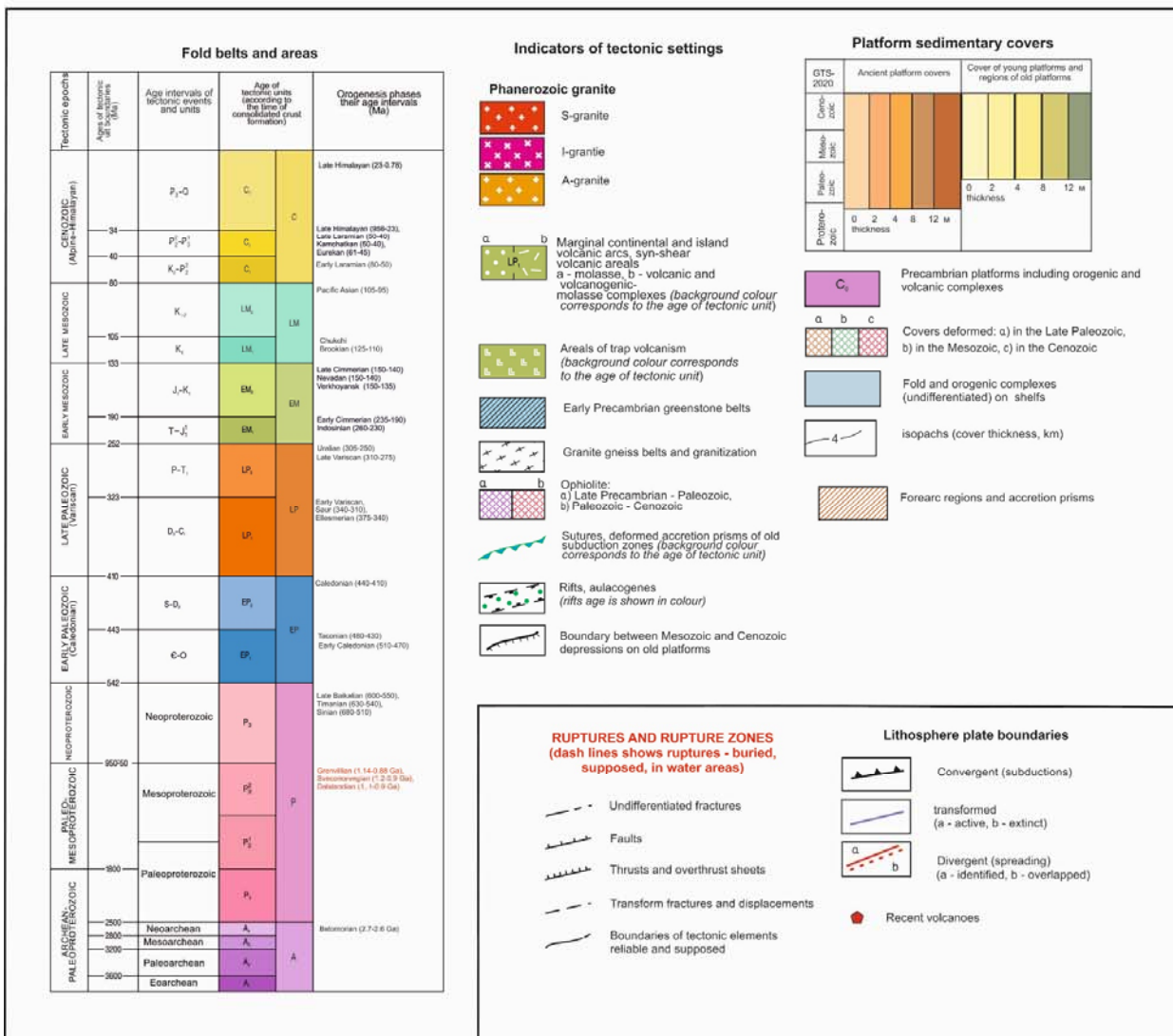


**Tectonic Map of South America**  
Scale: 1:5 M, CGMW, 2016

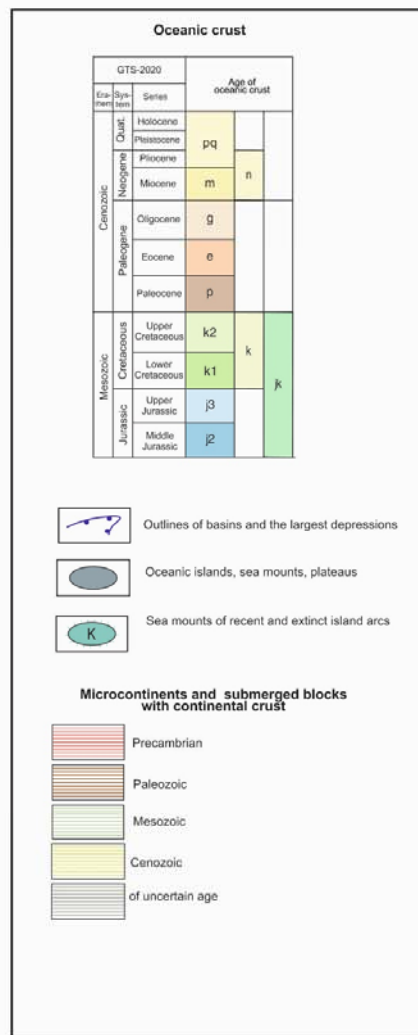


# The Legend of the 1:35 M Tectonic Map of the World (draft)

## CONTINENTS and OCEAN-CONTINENT TRANSITIONAL ZONES

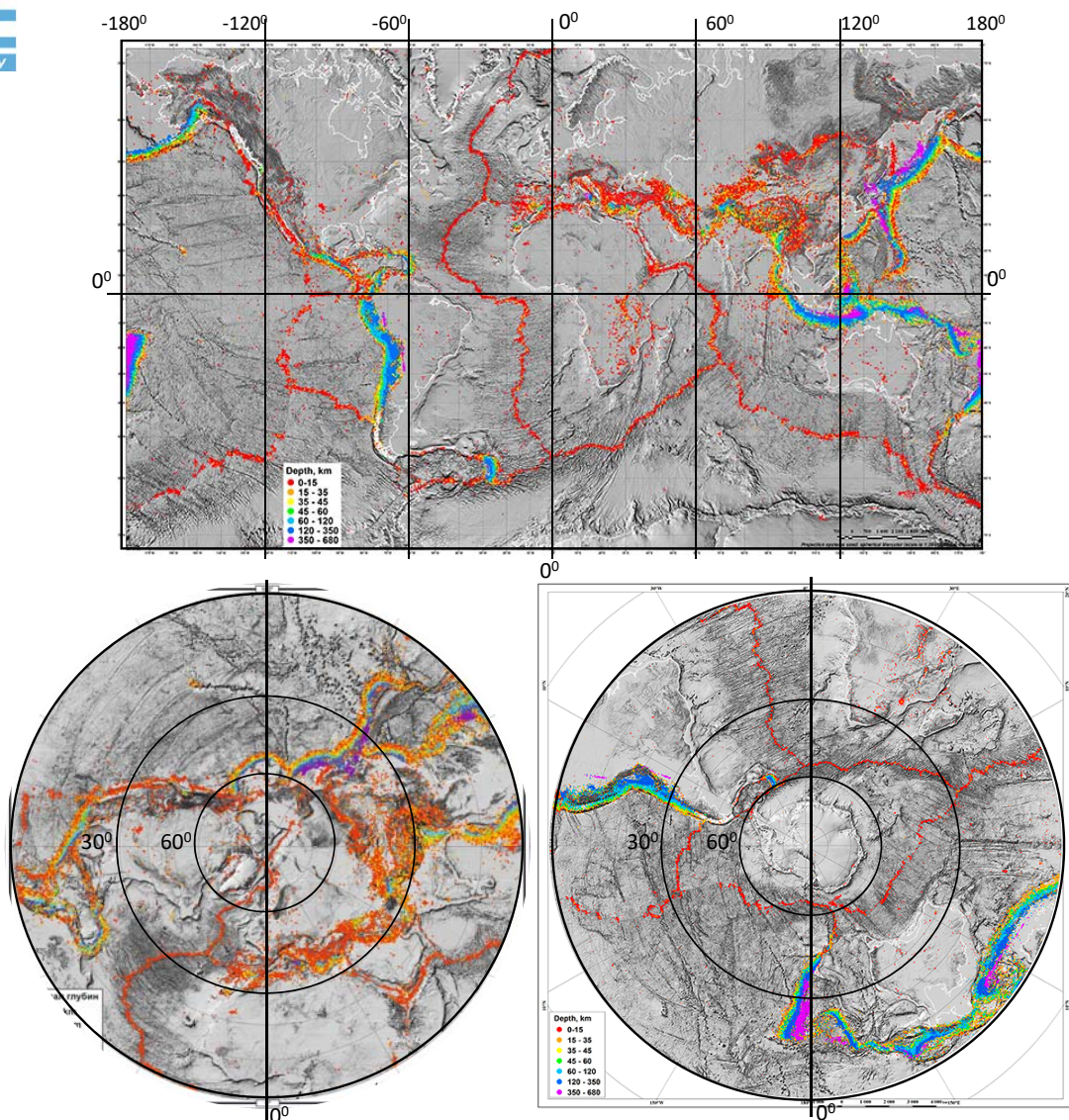


## OCEANS, INLAND AND MARGINAL SEAS

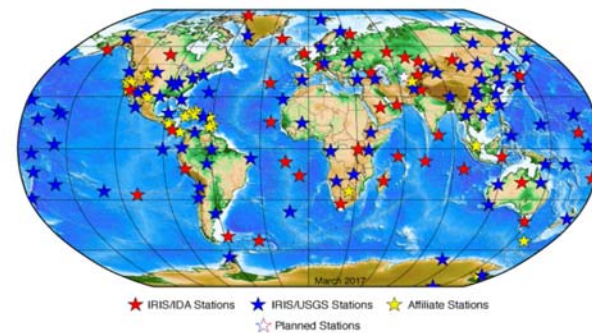




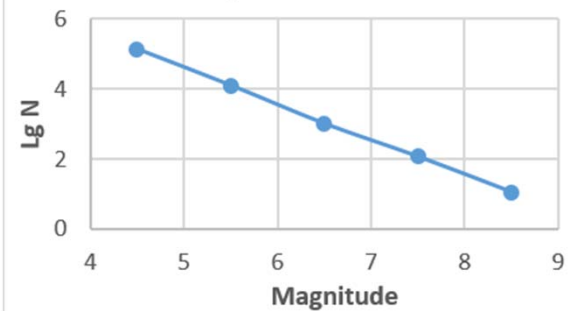
## Scheme of the seismic activity



### Global Seismographic Network

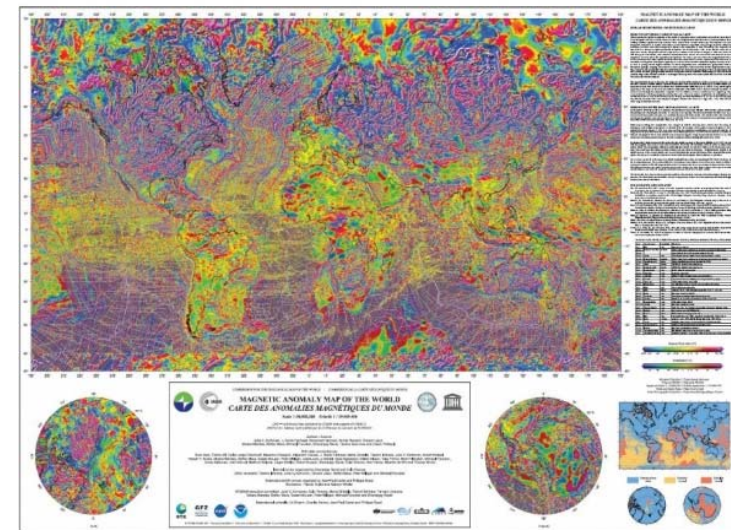
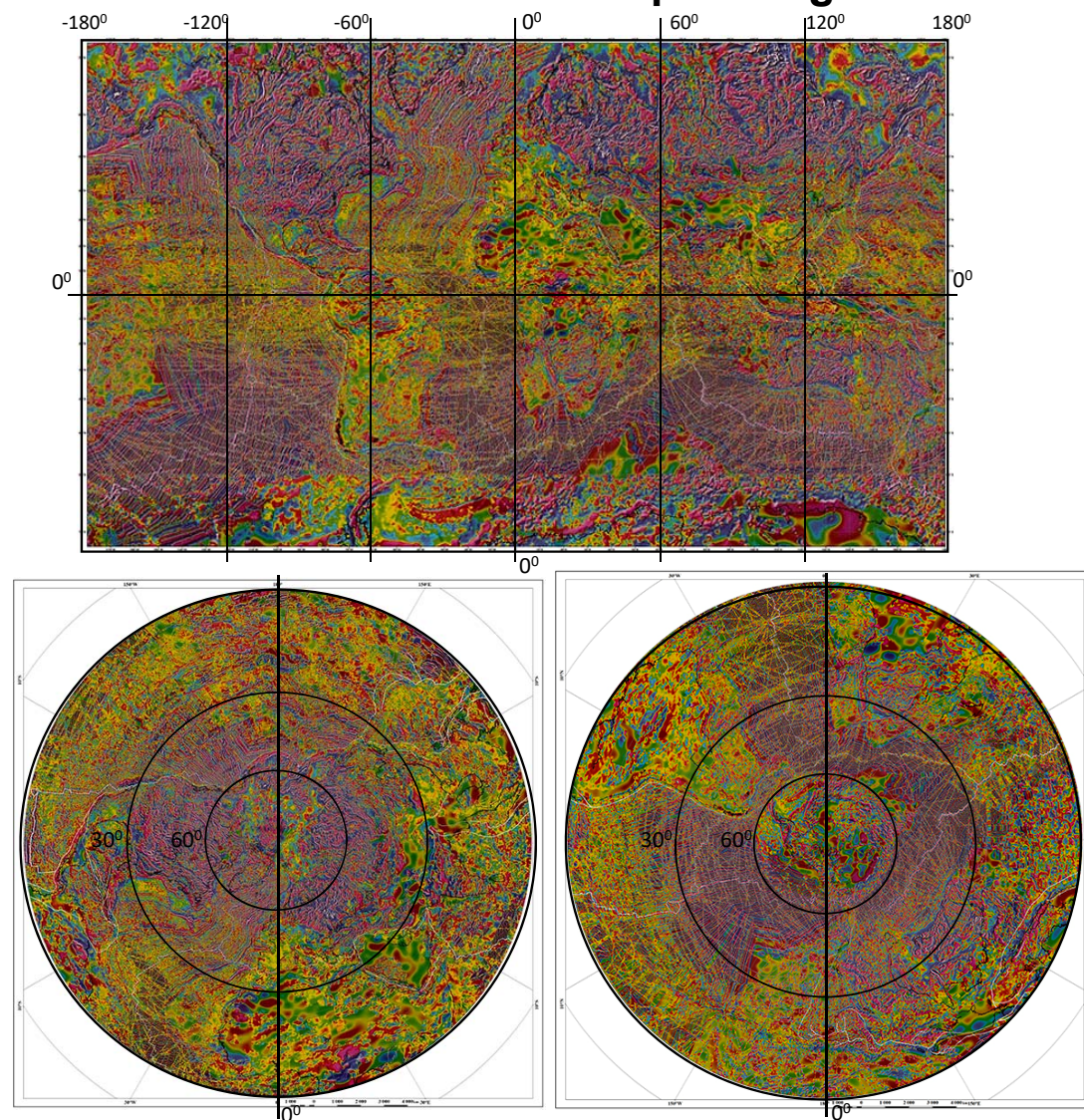


### Northern Hemisphere Earthquake Repetition Chart





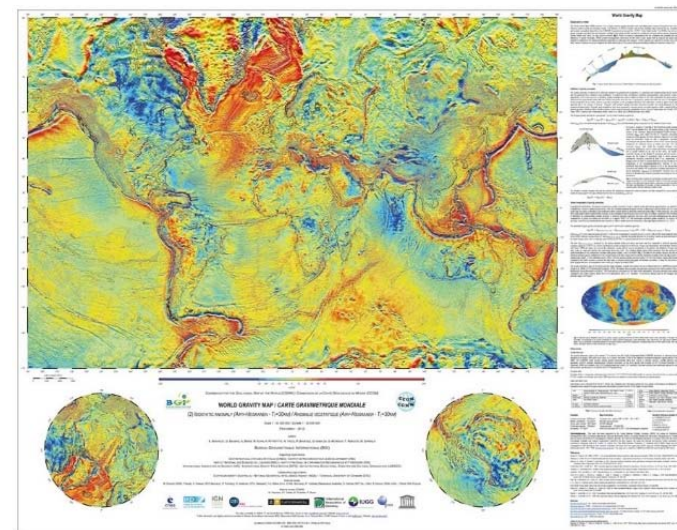
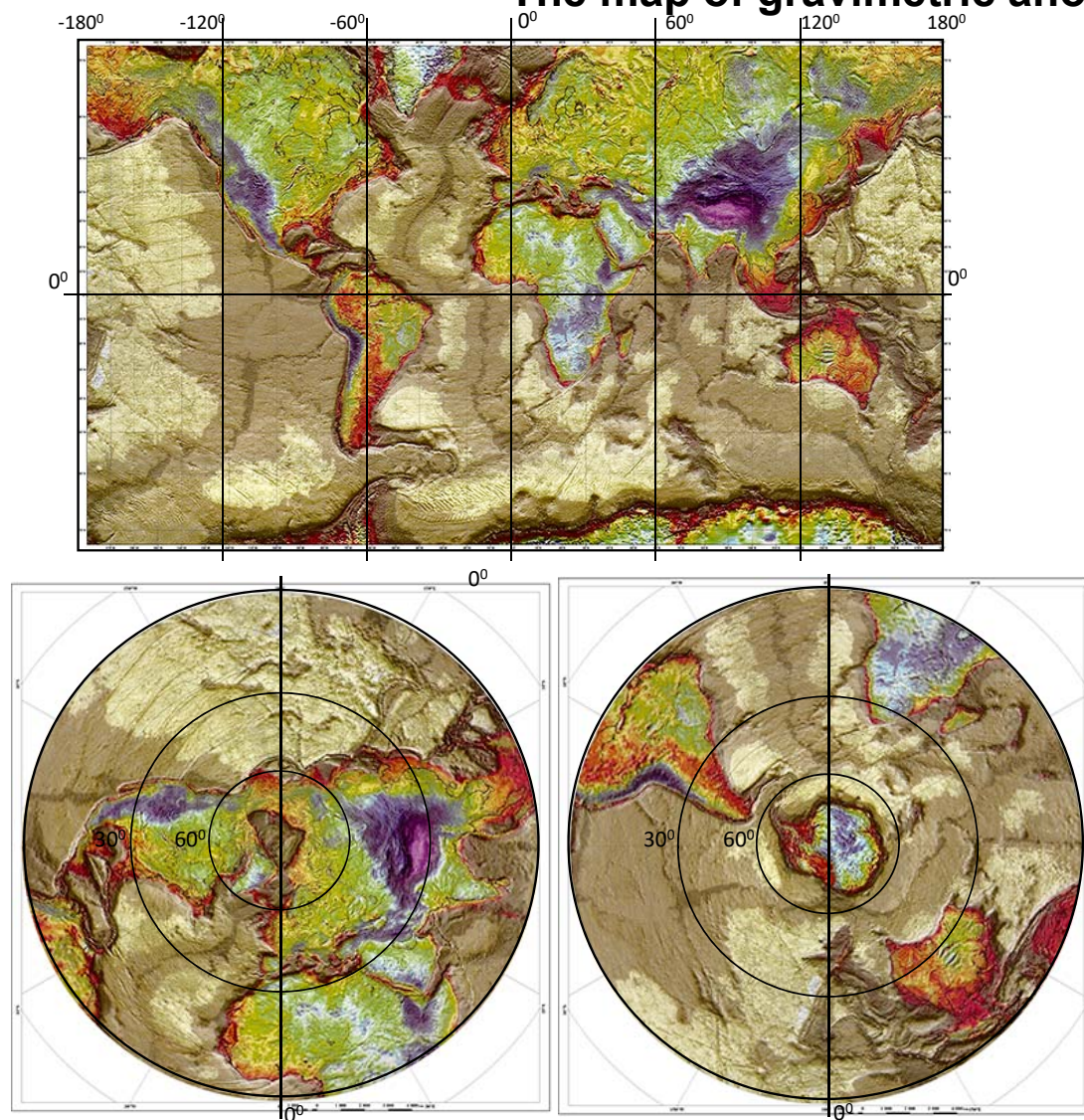
## The map of magnetic anomalies



<https://ccgm.org/en/maps/113-carte-des-anomalies-magnetiques-du-monde.html>



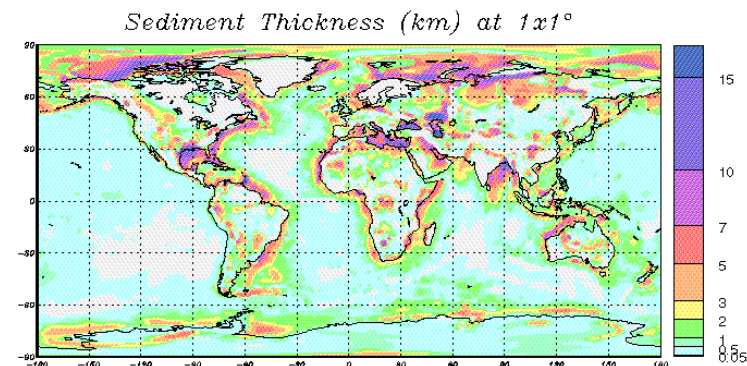
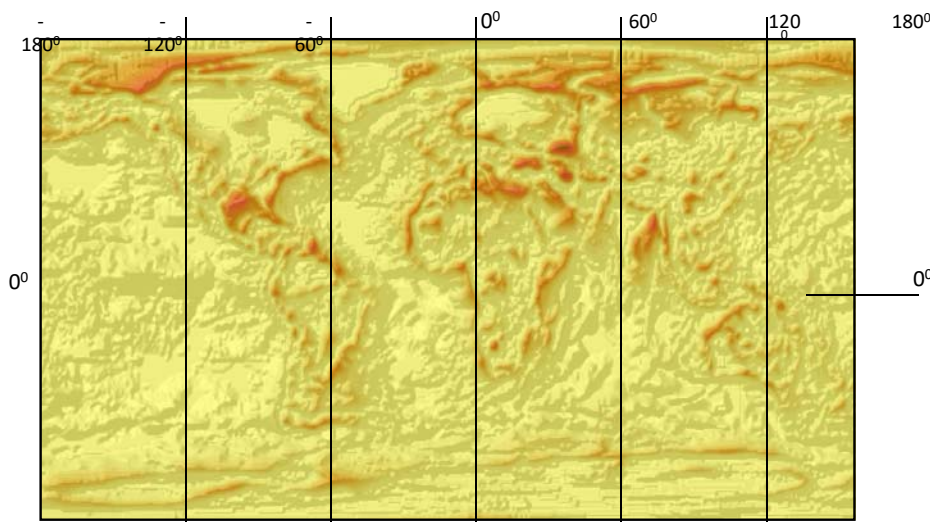
## The map of gravimetric anomalies



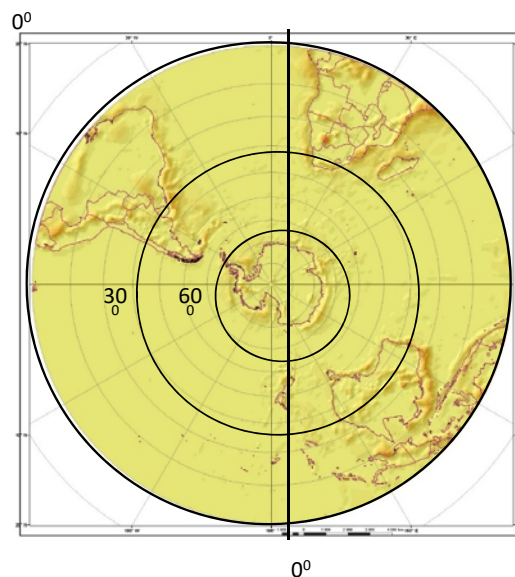
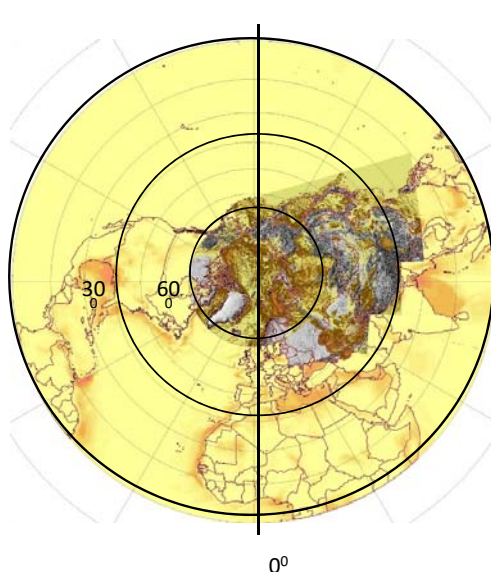
<https://ccgm.org/en/catalogue/116-carte-gravimetrique-du-monde-9782917310083.html>



## The map of the sedimentary cover thickness



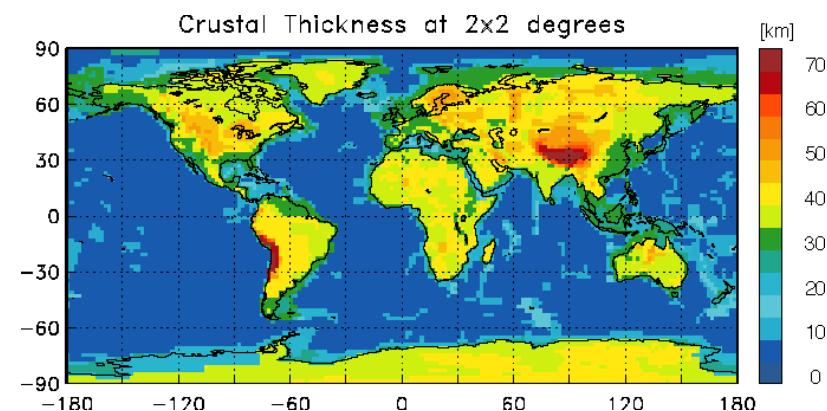
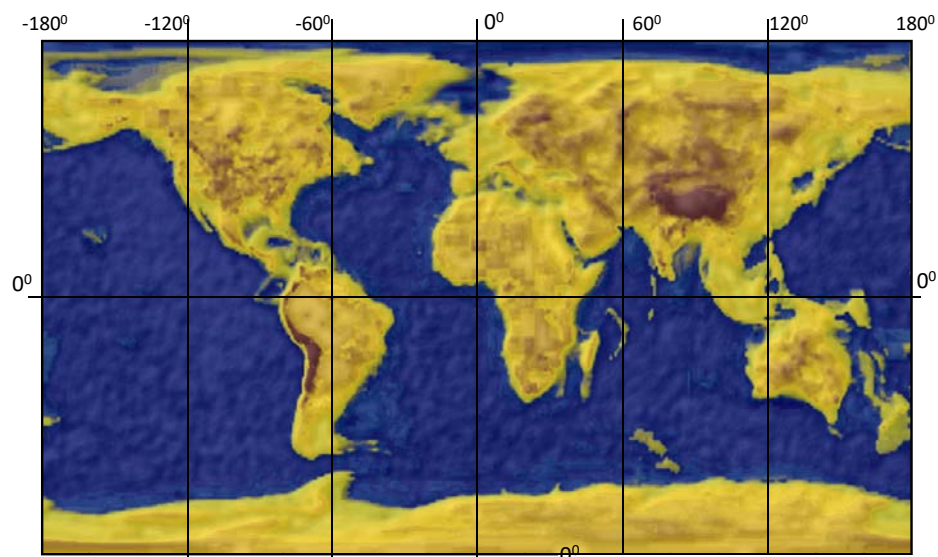
[www.igppweb.ucsd.edu/~gabi/sediment.html](http://www.igppweb.ucsd.edu/~gabi/sediment.html)



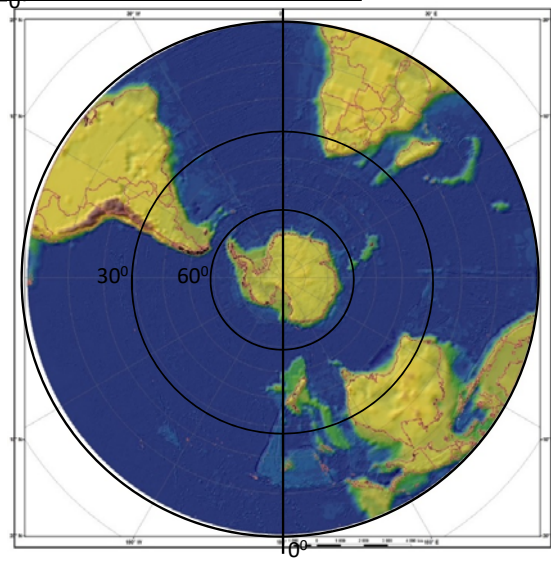
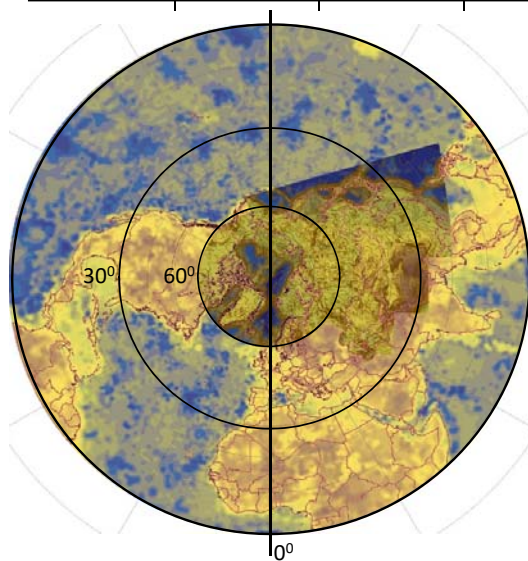
The map of the sedimentary cover thickness of the northern hemisphere with due account for the data obtained while working at projects Atlas of Geological Maps of Central, Northern and Eastern Asia and Atlas of Geological Maps of the Circumpolar Arctic



## The map of the crustal thickness



[www.igppweb.ucsd.edu/~gabi/crust1.html](http://www.igppweb.ucsd.edu/~gabi/crust1.html)



The map of the crustal thickness of the northern hemisphere with due account for the data obtained while working at projects Atlas of Geological Maps of Central, Northern and Eastern Asia and Atlas of Geological Maps of the Circumpolar Arctic



We are planning to correlate the project with such IUGS programs as:

**IGCP 662** - *Orogenic Architecture and Crustal Growth from Accretion to Collision*

**IGCP 667** - *World Map of the Orogens*

**IGCP 679** - *Cretaceous Earth Dynamics and Climate in Asia*

**IGCP 639** - *Sea Level Changes from Minutes to Millenia*

**IGCP 652** - *Reading Geologic Time in Paleozoic Sedimentary Rocks*

**IGCP 648** - *Supercontinent Cycles and Global Geodynamics*







**Thank you for the attention!**