COMMISSION FOR THE GEOLOGICAL MAP OF THE WORLD
SUB-COMMISSION FOR METAMORPHIC MAPS

METAMORPHIC MAP OF SOUTH AND EAST ASIA

Scale 1 : 10,000,000

Kilometres 100 0 100 200 400 600 800 1000 Kilometres

LEGEND

Colour schemes for various facies groups and facies series

EXAMPLES

Single colour : facies groups or facies series

- greenschist facies
- low pressure amphibolite facies

Vertical colour stripes : undifferentiated facies groups or facies series

- undifferentiated laumontite + prehnite-pumpellyite facies and greenschist facies
- undifferentiated minor greenschist facies and major amphibolite facies

Vertical colour stripes with white stripes : unmetamorphosed volcanic and/or sedimentary rocks with confirmed metamorphic rocks beneath, shown by drilling site (o)

- greenschist facies covered by unmetamorphosed volcanic and/or sedimentary rocks

Vertical colour stripes with horizontal colour stripes : polyphase metamorphism shown by horizontal colour stripes of younger phase. Wider area designates earlier mono-phase metamorphism

- undifferentiated greenschist and amphibolite facies overprinted by laumontite + prehnite-pumpellyite facies
- intermediate pressure amphibolite facies overprinted by greenschist facies

Other colours :

- folded belt without metamorphism
- unmetamorphosed volcanic and/or sedimentary cover rocks

Other features

Age of metamorphism (Ma)

A	Alpine	10 ~
M	Mesozoic	70 ~ 140
H	Hercynian	200 ~ 380
C	Caledonian	380 ~ 600
P€A	Baikalian	600 ~ 800
P€B	Pre-Baikalian	800 ~1400
P€C		1600 ~2000
P€D		2000 ~2700
P€E		2700 ~

Minerals

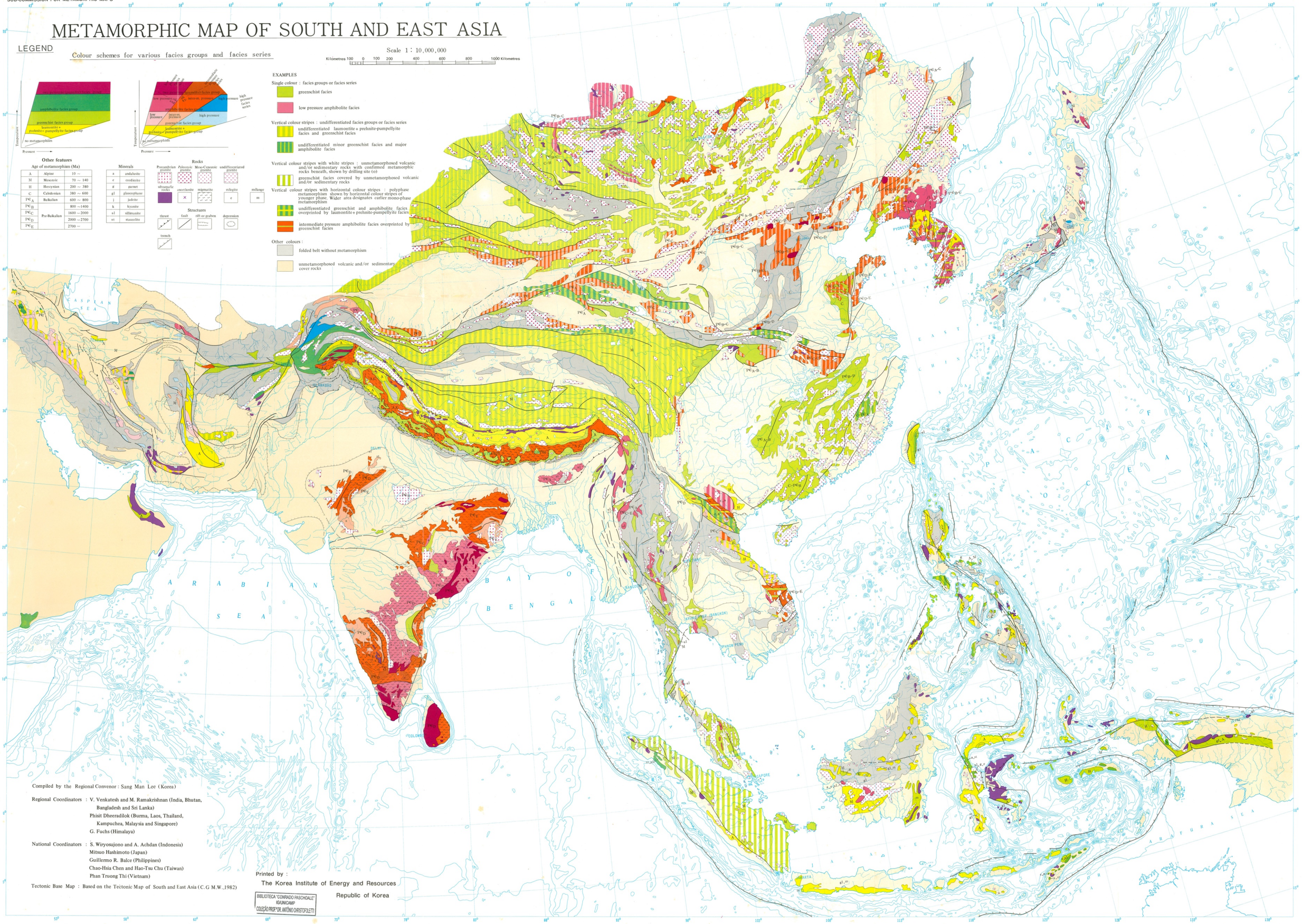
a	andalusite
c	cordierite
g	garnet
gl	glaucophane
j	jadeite
k	kyanite
sl	sillimanite
st	staurolite

Rocks

Precambrian granite, Palaeozoic granite, Meso-Cenozoic granite, undifferentiated granite, ultramafic rocks, anorthosite, migmatite, eclogite, mélange

Structures

thrust, fault, rift or graben, depression, trench



Compiled by the Regional Convenor : Sang Man Lee (Korea)

Regional Coordinators : V. Venkatesh and M. Ramakrishnan (India, Bhutan, Bangladesh and Sri Lanka)
Phisit Dheeradilok (Burma, Laos, Thailand, Kampuchea, Malaysia and Singapore)
G. Fuchs (Himalaya)

National Coordinators : S. Wiryosujono and A. Achdan (Indonesia)
Mitsuo Hashimoto (Japan)
Guillermo R. Balce (Philippines)
Chao-Hsia Chen and Hao-Tsu Chu (Taiwan)
Phan Truong Thi (Vietnam)

Tectonic Base Map : Based on the Tectonic Map of South and East Asia (C.G.M.W.,1982)

Printed by :
The Korea Institute of Energy and Resources
Republic of Korea

BIBLIOTECA "CONRADO PASCHOALE"
IG/UNICAMP
COLEÇÃO PROF° DR. ANTÔNIO CHRISTOFOLETTI

Copyright © Commission for the Geological Map of the World. 1982 (Base Map) and 1984 (Metamorphic Map)