

**GEOLOGICAL MAP**  
**LAND AND SEA AREAS OF**  
**NORTHERN EUROPE**

Scale 1:4,000,000  
 Ellen M. O. Sigmund  
 GEOLOGICAL SURVEY OF NORWAY

### Rocks of the oceanic crust

Color	Age	Rock Name	Description
Red	> 100 Ma	Basalt	Basaltic basaltic, basaltic, basaltic andesite
Orange	100 - 65 Ma	Basalt	Basaltic basaltic, basaltic, basaltic andesite
Yellow	65 - 25 Ma	Basalt	Basaltic basaltic, basaltic, basaltic andesite
Green	25 - 10 Ma	Basalt	Basaltic basaltic, basaltic, basaltic andesite
Blue	< 10 Ma	Basalt	Basaltic basaltic, basaltic, basaltic andesite

### Rocks of the continental crust

Color	Age	Rock Name	Description
Light Green	> 100 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow-Green	100 - 65 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow	65 - 25 Ma	Granite	Granite, syenite, diorite, gabbro
Light Yellow	25 - 10 Ma	Granite	Granite, syenite, diorite, gabbro
Light Blue	< 10 Ma	Granite	Granite, syenite, diorite, gabbro

### Paleozoic rocks

Color	Age	Rock Name	Description
Dark Green	> 250 Ma	Granite	Granite, syenite, diorite, gabbro
Green	250 - 200 Ma	Granite	Granite, syenite, diorite, gabbro
Light Green	200 - 150 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow-Green	150 - 100 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow	100 - 65 Ma	Granite	Granite, syenite, diorite, gabbro

### Proterozoic and Paleoproterozoic rocks

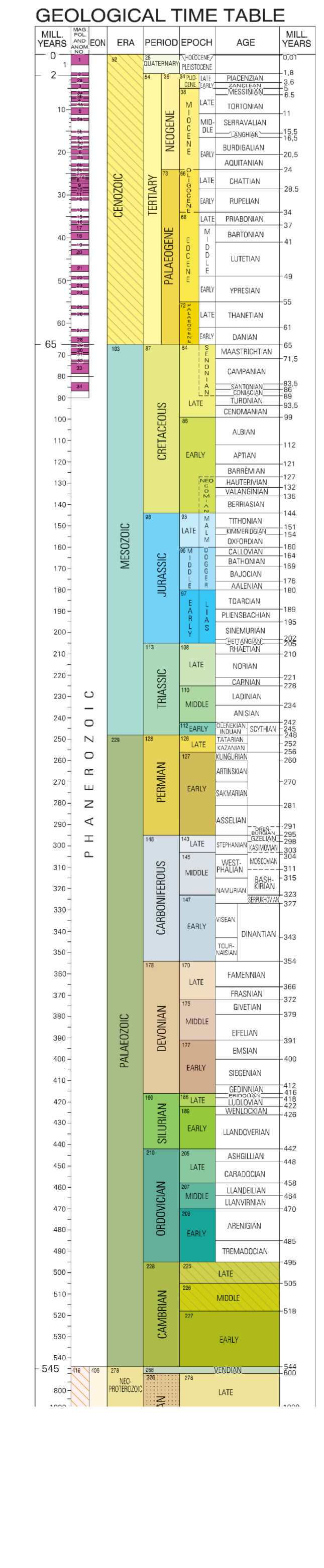
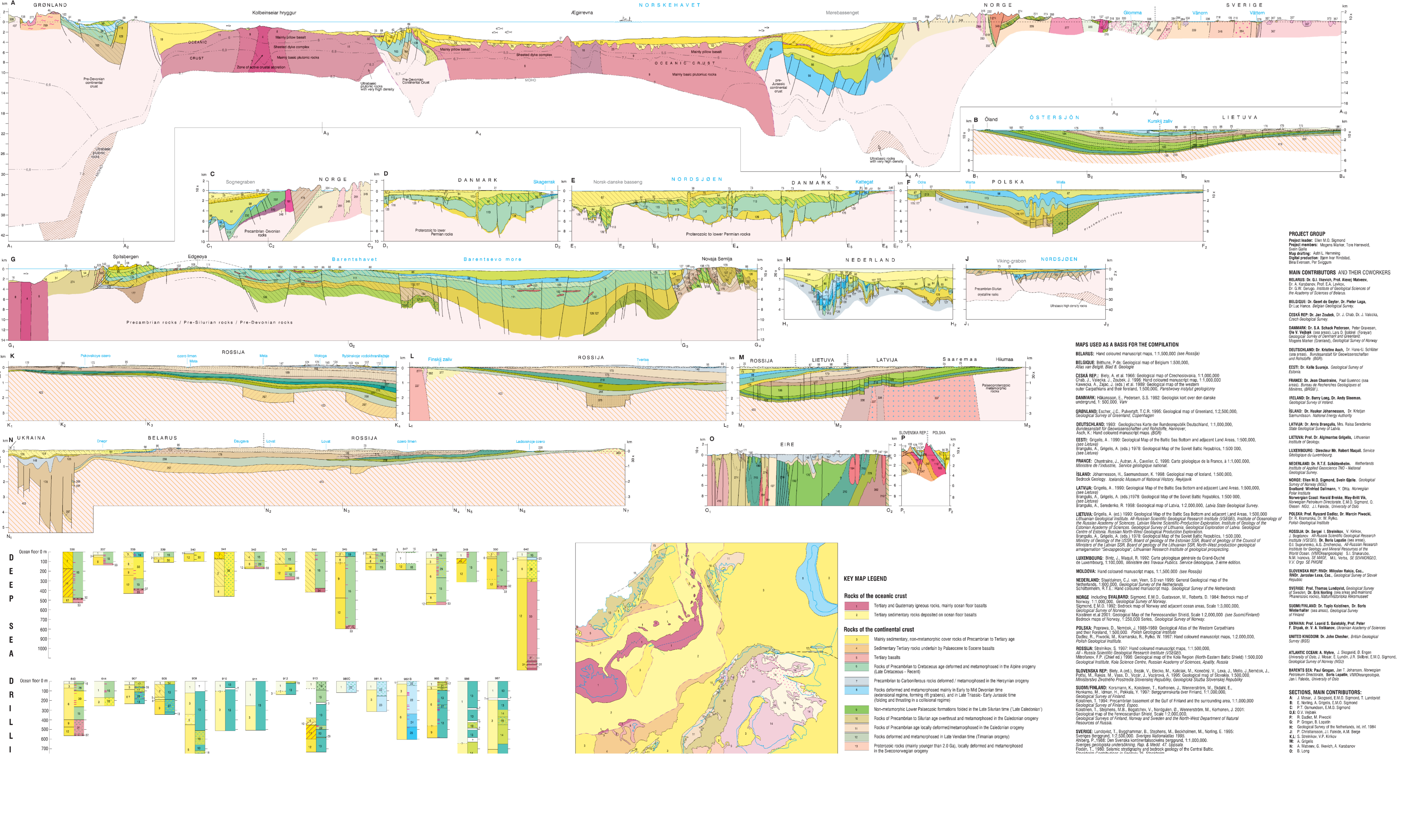
Color	Age	Rock Name	Description
Dark Red	> 540 Ma	Granite	Granite, syenite, diorite, gabbro
Red	540 - 440 Ma	Granite	Granite, syenite, diorite, gabbro
Orange	440 - 380 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow	380 - 250 Ma	Granite	Granite, syenite, diorite, gabbro
Light Yellow	250 - 100 Ma	Granite	Granite, syenite, diorite, gabbro

### Proterozoic rocks

Color	Age	Rock Name	Description
Dark Green	> 250 Ma	Granite	Granite, syenite, diorite, gabbro
Green	250 - 200 Ma	Granite	Granite, syenite, diorite, gabbro
Light Green	200 - 150 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow-Green	150 - 100 Ma	Granite	Granite, syenite, diorite, gabbro
Yellow	100 - 65 Ma	Granite	Granite, syenite, diorite, gabbro

### Geological symbols

Symbol	Description
Blue line	Coastal line
Red line	Geological boundary
Green line	Topographic contour
Black line	Administrative boundary
Yellow line	Transportation route
Blue square	Water body
Green square	Forest
Black square	Urban area



### KEY MAP LEGEND

#### Rocks of the oceanic crust

- Red: Basaltic basaltic, basaltic, basaltic andesite
- Orange: Basaltic basaltic, basaltic, basaltic andesite
- Yellow: Basaltic basaltic, basaltic, basaltic andesite
- Green: Basaltic basaltic, basaltic, basaltic andesite
- Blue: Basaltic basaltic, basaltic, basaltic andesite

#### Rocks of the continental crust

- Light Green: Granite, syenite, diorite, gabbro
- Yellow-Green: Granite, syenite, diorite, gabbro
- Yellow: Granite, syenite, diorite, gabbro
- Light Yellow: Granite, syenite, diorite, gabbro
- Light Blue: Granite, syenite, diorite, gabbro

#### Paleozoic rocks

- Dark Green: Granite, syenite, diorite, gabbro
- Green: Granite, syenite, diorite, gabbro
- Light Green: Granite, syenite, diorite, gabbro
- Yellow-Green: Granite, syenite, diorite, gabbro
- Yellow: Granite, syenite, diorite, gabbro

#### Proterozoic and Paleoproterozoic rocks

- Dark Red: Granite, syenite, diorite, gabbro
- Red: Granite, syenite, diorite, gabbro
- Orange: Granite, syenite, diorite, gabbro
- Yellow: Granite, syenite, diorite, gabbro
- Light Yellow: Granite, syenite, diorite, gabbro