

Translated from Duth with additions. Original title: Het klimaat in perspectief. Nieuwe inzichten.

The Climate in Perspective: New insights

Plate tectonics and chemical processes as key mechanisms for the formation and behavior of the climate

Contents

Contents	5
Foreword	7
Introduction	9
The Import of CO ₂	11
Plate tectonics	12
The Removal of CO ₂	18
The Climate Cycles	20
The main climate cycles	20
The Cambrian climate cycle	22
The Silurian climate cycle	24
The Carboniferous climate cycle	27
The Jurassic climate cycle	31
The Ice ages	35
Minimum reaction temperature	38
Clues to the future of the climate	42
Two scenarios	43
Ice cover Antarctica	48
Conclusions	54
Final comment	55
References	56
Appendices	57
1. Nature in perspective	58
2. The real reason why the dinosaurs became extinct	62
3. Planting trees in perspective	66

Foreword

Geologists have deciphered the traces that the climate has left on the Earth. The author added new insights and translated them into clear English so that both scientists and citizens can form well-founded opinions about the climate.

Here you can read the latest insights on how the climate is created, what mechanisms control the climate, and why it oscillates between tropical warm and freezing cold.

These mechanisms comprise plate tectonics and chemical processes that control the import and removal of CO₂ from the atmosphere. During the ice ages, the minimum reaction temperature of the CO₂ removal processes played a dominant role. New, logically based analyses of ice cores drilled into the Antarctic ice cap show which forces are determining and regulating the climate today.