Presentation structure

1. Definition in restoration
2. Mediterranean ecosystems
3. Mediterranean vegetation
4. Restoration in France

Mediterranean ecosystem location

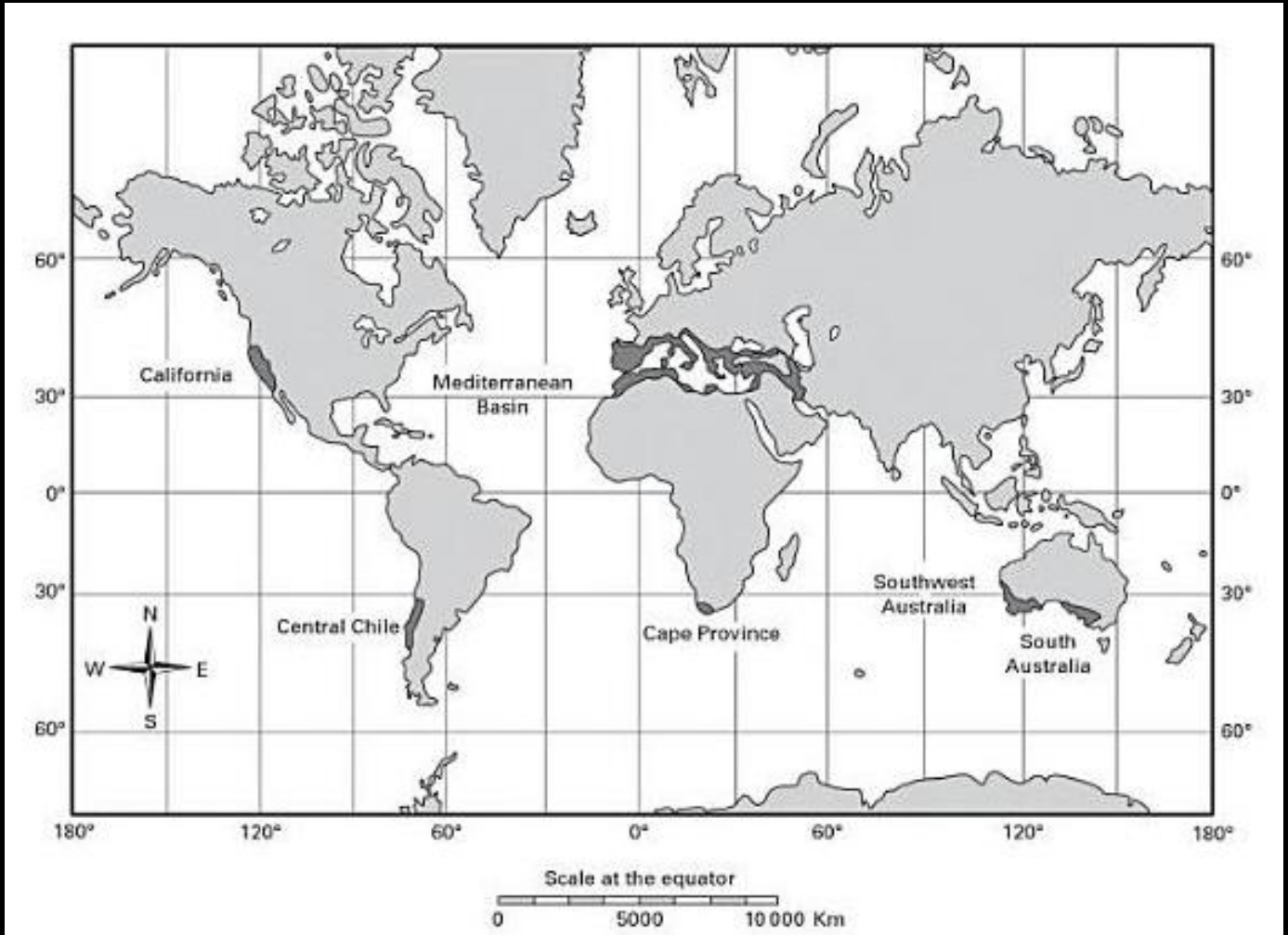

Fig. 1.1 *The five mediterranean-type climate (MTC) regions are distributed on the western sides of continents between 30° and 40° latitude.*

2. Mediterranean ecosystems

FIG. 9.08. *The boundaries of the parts of the Mediterranean Basin in which olives are cultivated correspond closely to the extent of the mediterranean climate region. The climate conditions that limit the distribution of the olive are shown. (Adapted from Birot, 1953.)*

Dallman 1998

Mediterranean climates

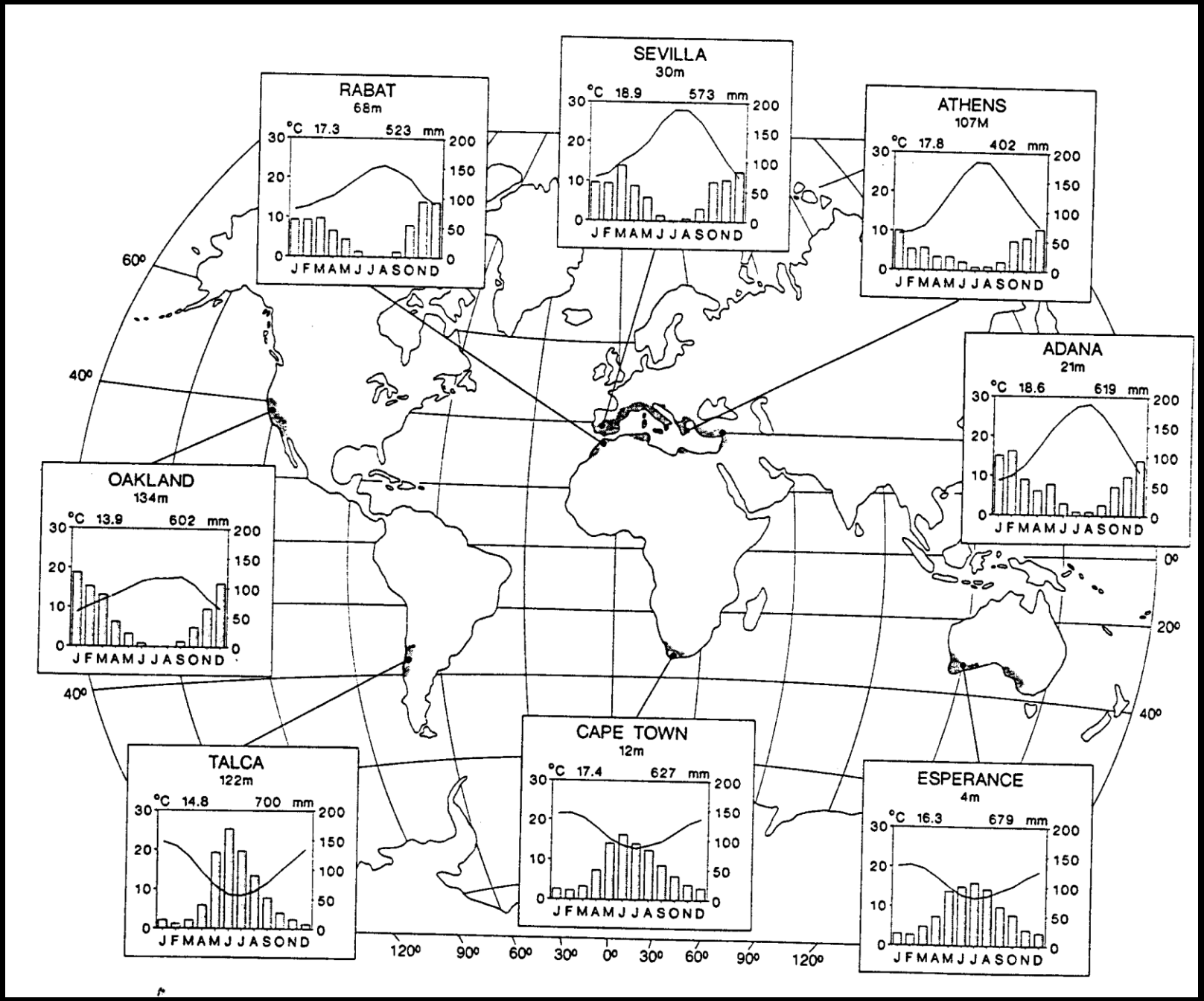

Table 1.1 Vegetation comparisons between the five MTC regions of the world.

	Mediterranean[a]	California[b]	Chile	South Africa	Australia[c]
Total vegetated area (km^2)	1 286 950	98 575	111 725	68 175	430 875
Grassland (%)	15	9	0	0	4
Shrubland (%)[d]	45	34	79	97	63
Woodland (%)	25	35	8	2	27
Forest (%)	15	22	13	< 1	6

[a] Due the extensive east–west range of the Mediterranean Basin there are some important differences in vegetation; for example grasslands are a minor component of the western basin but comprise 18% of the vegetation in the eastern basin, and shrublands follow an opposite pattern.

[b] Includes Baja California but not the northwest or Central Valley or higher elevations of the Sierra Nevada.

[c] In this book the MTC in Australia is considered to include more forested landscape in South Australia and Victoria than represented by these data. MTV further east in NSW is dominated by forests.

[d] Includes scrub and succulent associations.

Source: From Underwood *et al.* (2009), modified for the Mediterranean Basin by MODIS and CORINE remote imaging analysis (accessed Jan 2010).

Keeley et al. 2012

2. Mediterranean ecosystems

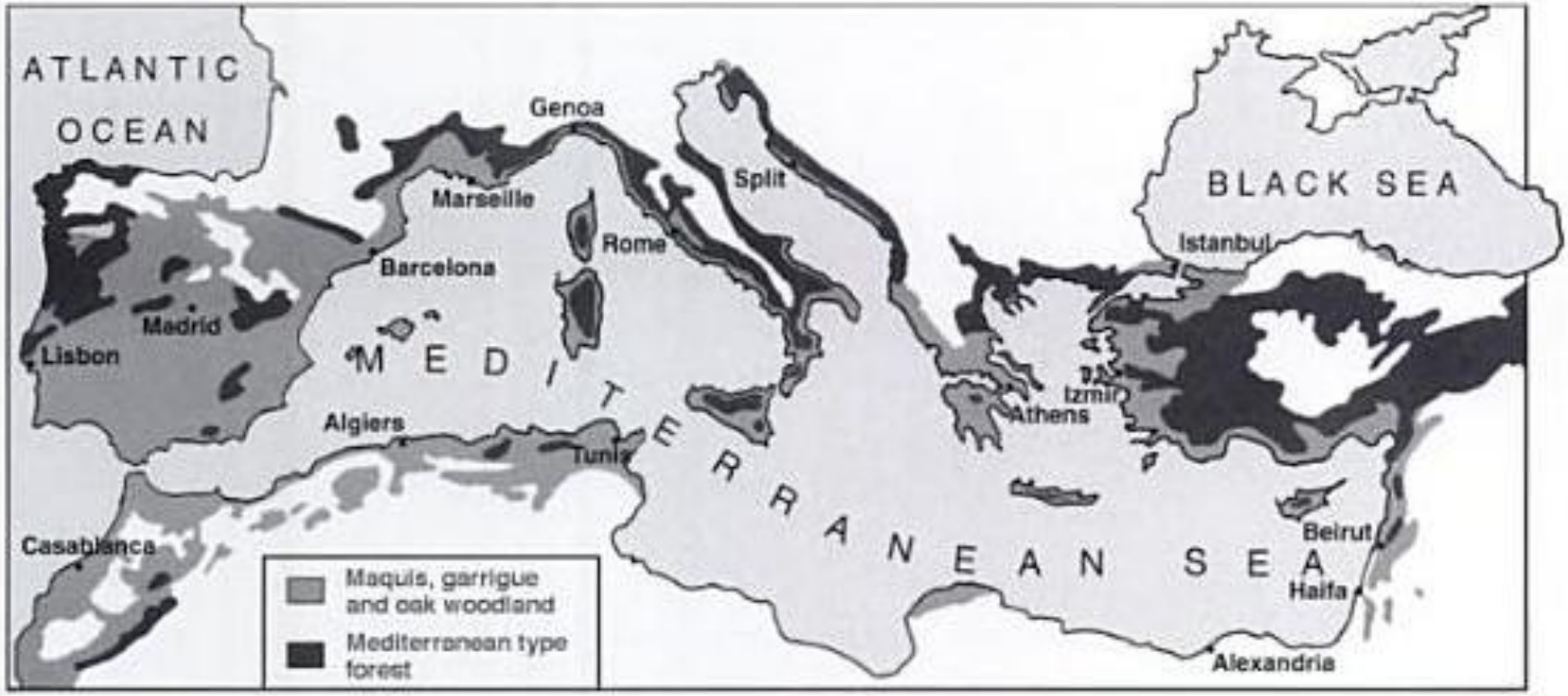

FIG. 9.10. *Distribution of mediterranean type vegetation. (Based on Lalande, 1968.)*

Dallman 1998

Riparian forest

- Southern France

Photo: D. Pavon

Riparian vegetation

- Southern France

Photo: D. Pavon

Fresh water marsh

- Southern France

Photo: D. Pavon

Salt marsh

- Southern France

Photo: D. Pavon

Salt marshes & dunes

- Southern France

Photo: D. Pavon

Sand dunes, lagoons and ponds

- Southern France

Photo: D. Pavon

Coastal cliffs – Les Calanques NP

- Southern France

Photo: D. Pavon

Coastal cliffs – La Ciotat

- Southern France

Photo: D. Pavon

Matorral - Garrigues

- Southern France

Photo: D. Pavon

Grasslands

- Southern France

Photo: D. Pavon

Grasslands

- Southern France

Photo: D. Pavon

- Southern France

Mountain ridge vegetation – Sainte Victoire

Photo: D. Pavon

- Southern France

Mountain ridge vegetation – Sainte Victoire

Photo: D. Pavon

- Southern France

Quercus pubescens forests – north-Facing side of mountains

Photo: D. Pavon