**Table 2.2: Cyclogenesis in the Mediterranean. Summarised from Trigo (2000a), Barry and Chorley (1998) and the selected references shown in the right hand column.**

| Region | Associated Track | Associated Mechanism | Seasonality | Avg. Annual Frequency | Associated surface weather conditions | References |
|---|---|---|---|---|---|---|
| *The Adriatic and Ligurian seas: inc.Gulf of Genoa* | SE-ward direction (Italy, Albania, Greece). NE from the Adriatic into the Balkans | Lee-effect cyclogenesis and conditional instability, upper level vorticity. | Declines in intensity towards summer | 120 | Creates intense rain across a large sector of the western basin. Associated with the Mistral. | Buzzi and Tibaldi, 1978 |
| *Iberian Peninsula* | Quasi-stationary | Thermally induced pressure low | Peaks through June-August | 15 | See Section 2.3.1 | Hoinka and De Castro, 2003 |
| *North Africa: Sahara* | NE into the Med., or E along the African coast, towards Greece. | Lee-effect cyclogenesis due to Atlantic flow, thermal instability | Peaks through May-June | 26 | Source of important spring rainfall, transported dust, and the Scirocco | Egger *et al.,* 1995 |
| *North Africa: Atlantic coast* | Quasi-stationary | Land/sea differential heating and resultant instability. | Increases in intensity towards summer | Included in above | Interacts with the above | Alpert and Ziv, 1989 |
| *Aegean Sea and Greece* | NE towards the Black Sea | Conditional instability, regenerated Genoan cyclones, lee-effect cyclogenesis | Declines in intensity towards summer, strongest in January | 72 | Increased storminess | Flocas and Karacostas, 1996 |
| *Eastern Black Sea* | NE into Europe | Asian Monsoon mechanisms | Declines in intensity towards summer | 30 | Contributes to annual precipitation peak | Radinovic, 1987 |
| *Cyprus* | E into the Middle east | Lee-effect reintensification of Western depressions | Increases in intensity towards summer | 28 | Important source of rain (but also storms) for Cyprus, southern Turkey and the Middle east. | Barry and Chorley, 1998; Lagouvardos *et al.,* 1996 |
| *Middle East* | E and NE into Asia. | Conditional instability, Aegean cyclogenesis | Increases in intensity towards summer | 23 | Dry and settled weather. | Barry and Chorley, 1998 |