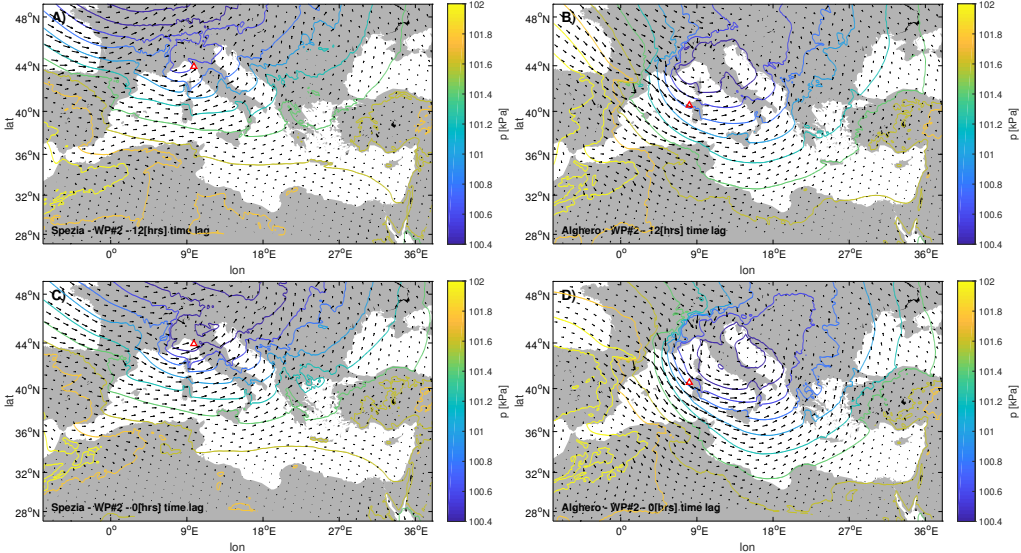

Fig 1. Average MSLP for the H_s peaks of WP#2. Panel A): La Spezia (B1), Δt equals 12 hours; panel B) Alghero (B2), Δt equals 12 hours; panel C): La Spezia, Δt equals 0 hours; panel D): Alghero, Δt equals 0 hours

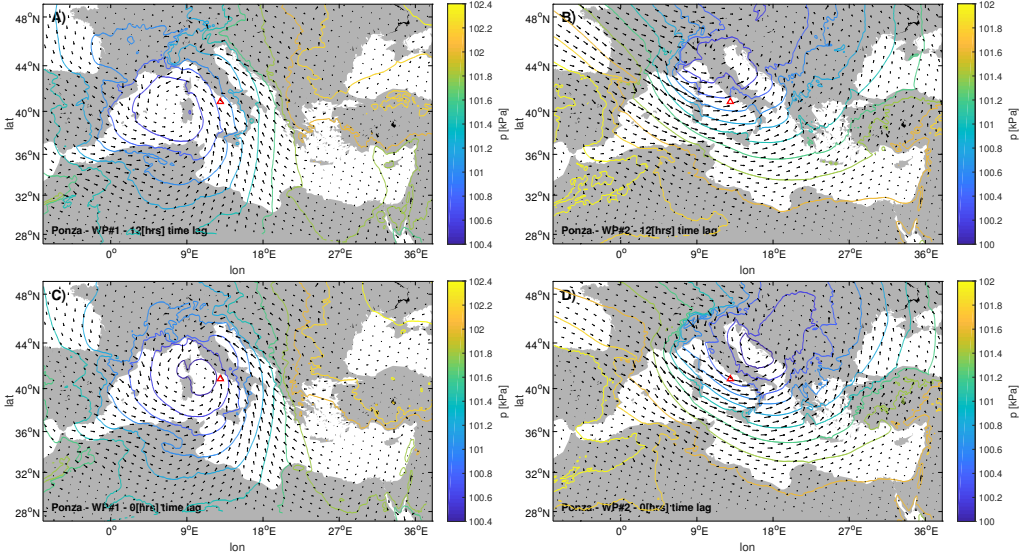

Fig 2. Average MSLP for the H_s peaks in Ponza (B3). Panel A): WP#1, Δt equals 12 hours; panel B) WP#2, Δt equals 12 hours; panel C): WP#1, Δt equals 0 hours; panel D): WP#2, Δt equals 0 hours

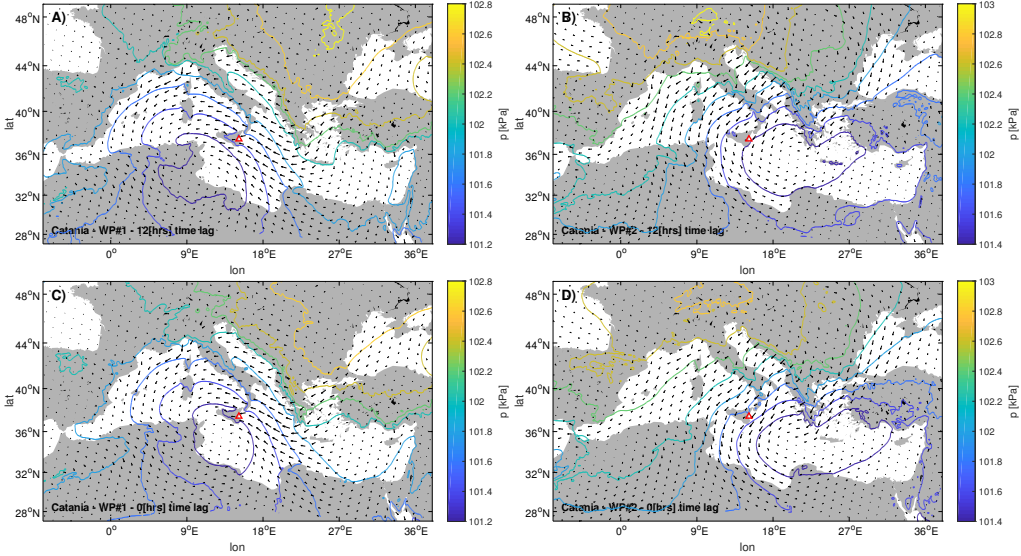

Fig 3. Average MSLP for the H_s peaks in Catania (B5). Panel A): WP#1, Δt equals 12 hours; panel B) WP#2, Δt equals 12 hours; panel C): WP#1, Δt equals 0 hours; panel D): WP#2, Δt equals 0 hours

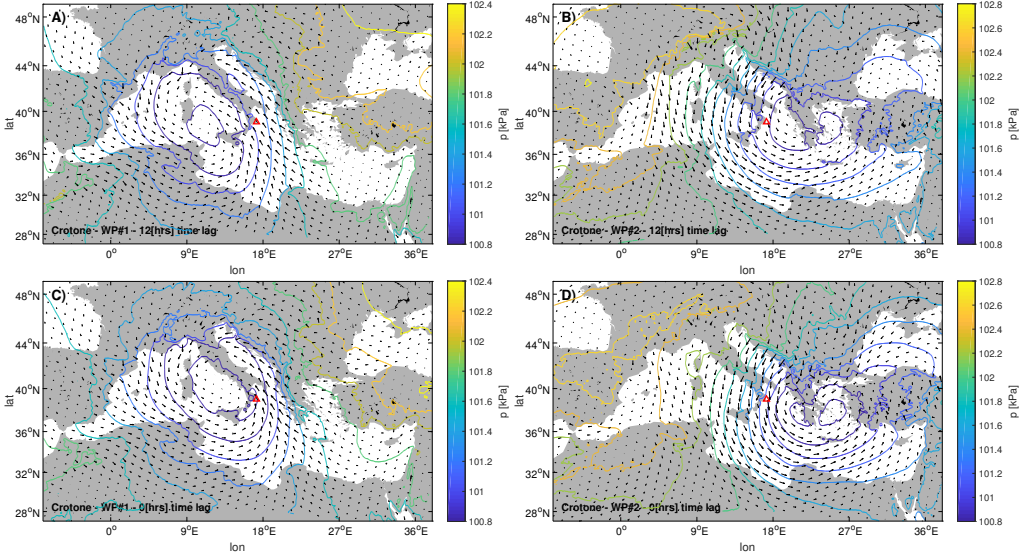

Fig 4. Average MSLP for the H_s peaks in Crotone (B6). Panel A): WP#1, Δt equals 12 hours; panel B) WP#2, Δt equals 12 hours; panel C): WP#1, Δt equals 0 hours; panel D): WP#2, Δt equals 0 hours

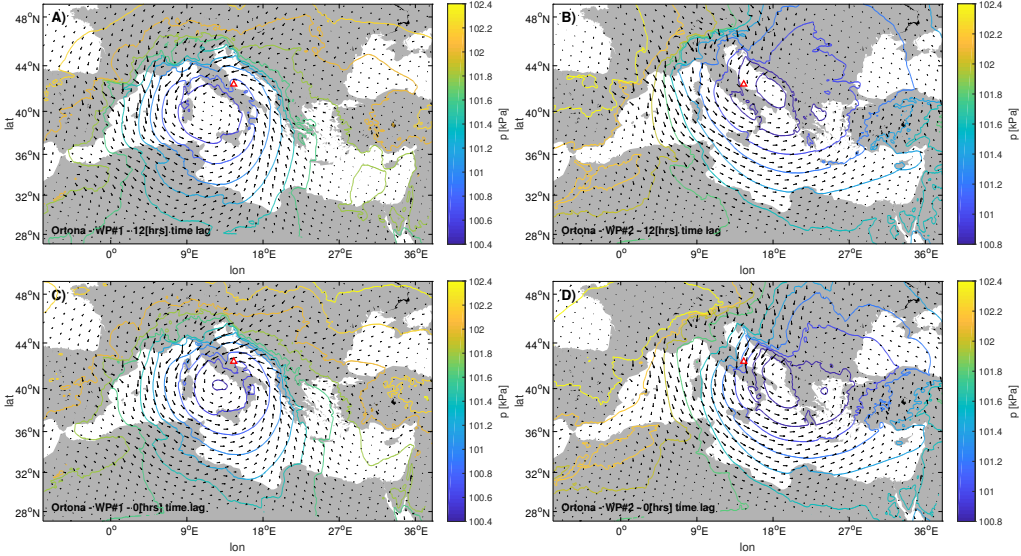

Fig 5. Average MSLP for the H_s peaks in Ortona (B8). Panel A): WP#1, Δt equals 12 hours; panel B) WP#2, Δt equals 12 hours; panel C): WP#1, Δt equals 0 hours; panel D): WP#2, Δt equals 0 hours

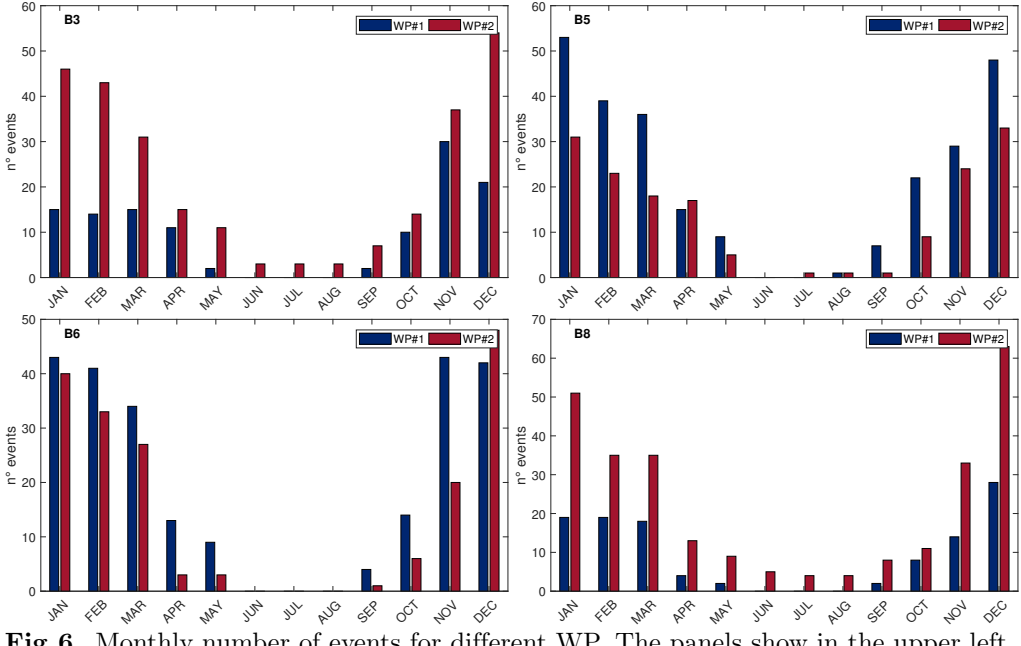

Fig 6. Monthly number of events for different WP. The panels show in the upper left corner the code of the location they refer to

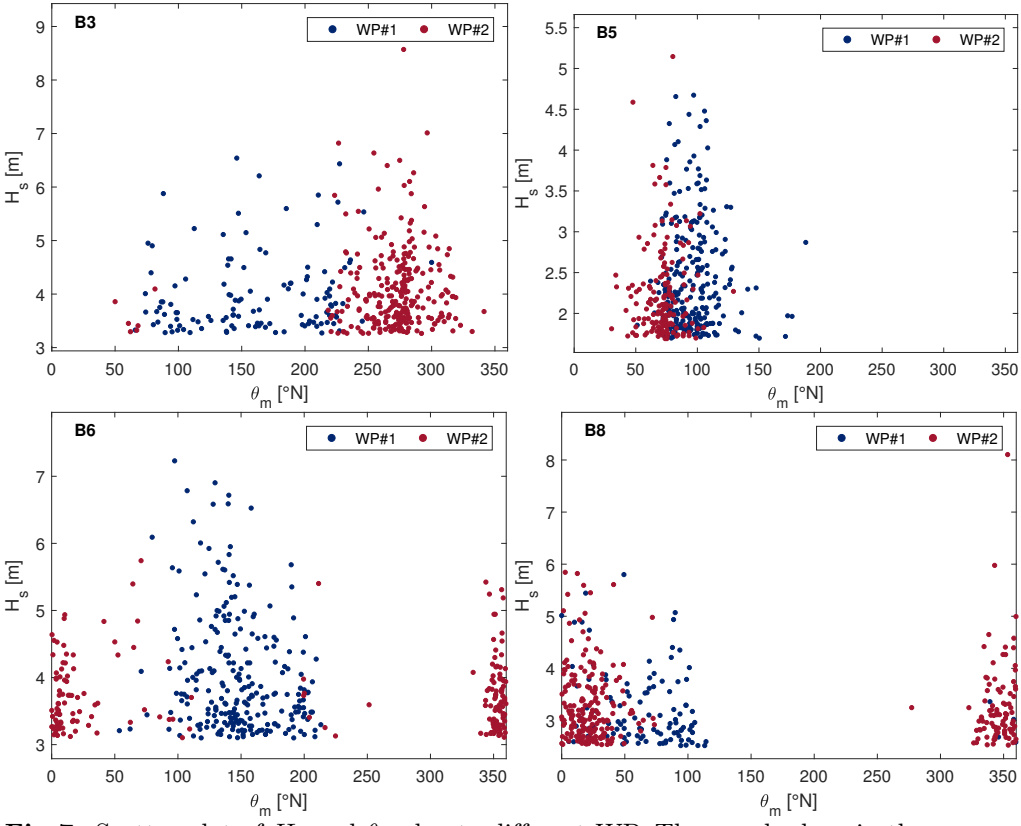

Fig 7. Scatter plot of H_s and θ_m due to different WP. The panels show in the upper left corner the code of the location they refer to

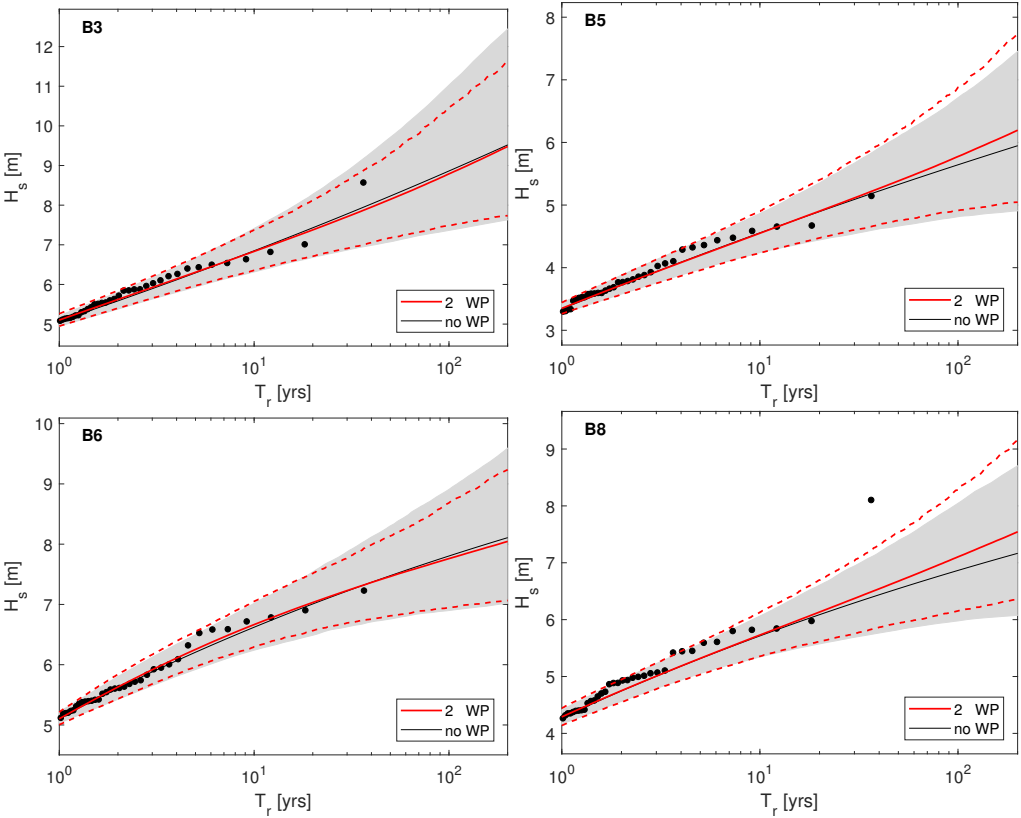

Fig 8. Omni-WP extreme value distributions of H_s obtained from the whole set of peaks (black) and from combining single-WP distributions (red), along with 90% confidence intervals (grey shadow and red dashed lines, respectively). The panels show in the upper left corner the code of the location they refer to