Forest Disturbances in Polish Tatra Mountains (1985–2016) in Relation to Topography, Stand Features, and Protection Zone

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Supplementary Materials



**Figure S1.** Detected forest disturbances in the Tatrzański Park Narodowy (TNP) between 1984–2016, basemap: Landsat Operational Land Imager (OLI) image in 432 red, green, blue (RGB) composition, acquired in 31 August 2016.

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**Figure S2.** Area of forest disturbance in relation to the area of montane zones category (adapted from [42]).



**Figure S3.** Area of forest disturbance in relation to the area of slopes category (adapted from [42]).



**Figure S4.** Area of forest disturbance in relation to the area of exposure category (adapted from [42]).



**Figure S5.** Area of forest disturbance in relation to the area of community category (A—artificial spruce stands, B—lower zone fir and spruce forests, C—upper zone Carpathian spruce, D—fertile beech and fir forests, E—upper zone limestone spruce, F—heavily thinned artificial spruce stands, G—mountain pine scrub, H—mountain alders, I—alpine sycamore and rowan thickets, J—lower zone fir spruce forest on peat, K—others; adapted from [42]).



**Figure S6.** Area of forest disturbance in relation to the area of age structure category (adapted from [42]).



**Figure S7.** Area of forest disturbance in relation to the area of age class category (adapted from [42]).



**Figure S8.** Area of forest disturbance in relation to the area of degree of naturalness category (A—lower zone stands incompatible with the type of forest, B—lower zone stands partly consistent with the type of forest, C—natural stands of the upper zone, D—primary stands of the upper zone, E—lower zone stands close to natural, F—natural scrubs, G—others; adapted from [42]).



**Figure S9.** Area of forest disturbance in relation to the area of management protection zones category (adapted from [42]).