

Introduction

As disturbances are predicted to increase due to global changes, it is important to improve our knowledge on their natural regimes in order to adopt an appropriate management to enhance the resilience of forest stands.

The assessment of disturbance regimes in old-growth forests is important because these ecosystems are considered as reference systems that developed without significant human impact for long periods of time.

Here we focus on one of the best preserved old-growth forests in the Balkans (fig 1). The vegetation in the core area (6000 ha) is dominated by conifer trees (silver fir and Norway spruce). On the border of the core area there are mainly mixed beech and conifer stands and pure beech stands.



Fig. 2 – Depth-age model based on eight ¹⁴C dates from terrestrial plant macrofossils. We considered one of the ¹⁴C dates as re-worked material and therefore excluded from the model





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Exploring the long-term vegetation and fire-disturbance history of the Biogradska Gora old-growth forest (Montenegro)

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