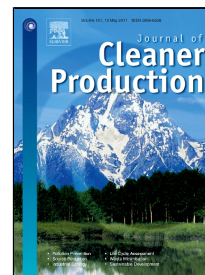


# Accepted Manuscript

Towards forest sustainability in Mediterranean countries using biomass as fuel for heating



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## Highlights

Sustainable Energy involves renewable energy utilization and carbon dioxide saving measures

A small city could have enough with a biomass boiler of 400 kw for heating 7 public buildings

A biomass boiler of 400 kw can need only the biomass of pruning 4 hectares of pine trees

The biomass district heating offers 100% of CO<sub>2</sub> savings and 68.22% of fossil fuel cost savings

The economic benefits of biomass district heating have been shown for Mediterranean areas

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