

**Boosting rural bioeconomy through feasible practices.
8 CASES FROM SPAIN & PORTUGAL**



WEBINAR

BRANCHES

JUNE · 29 :: 10 -12H

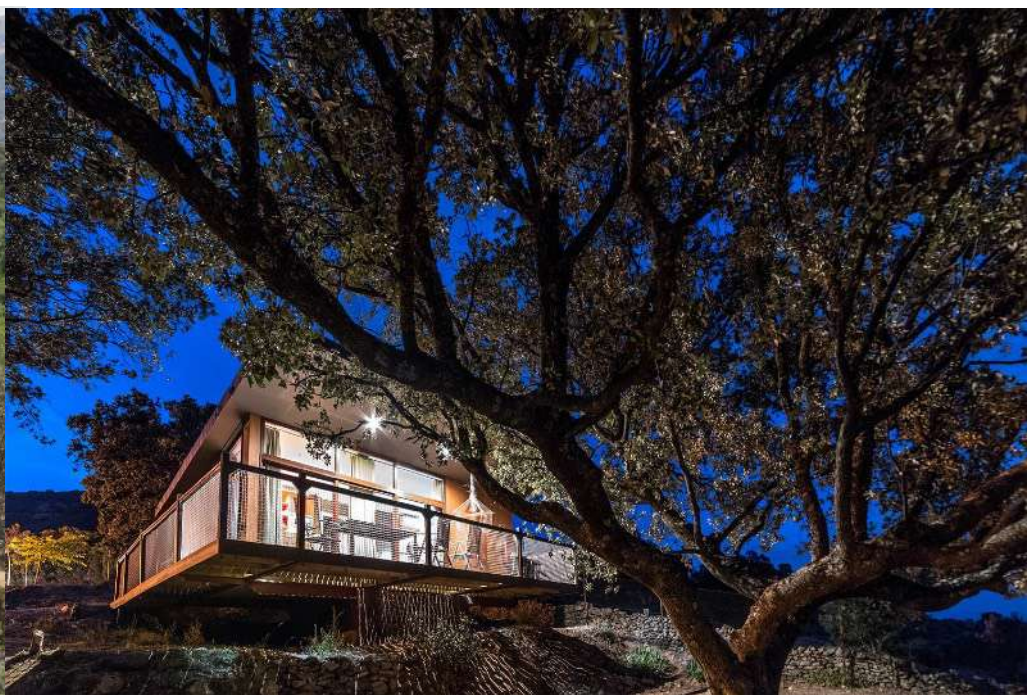


Forest silviculture for fire prevention in Monte Holiday Ecoturismo to feed its DH

Antonio Gonzalo Pérez

Monte Holiday Ecoturismo

antoniogonzalo@monteholiday.com

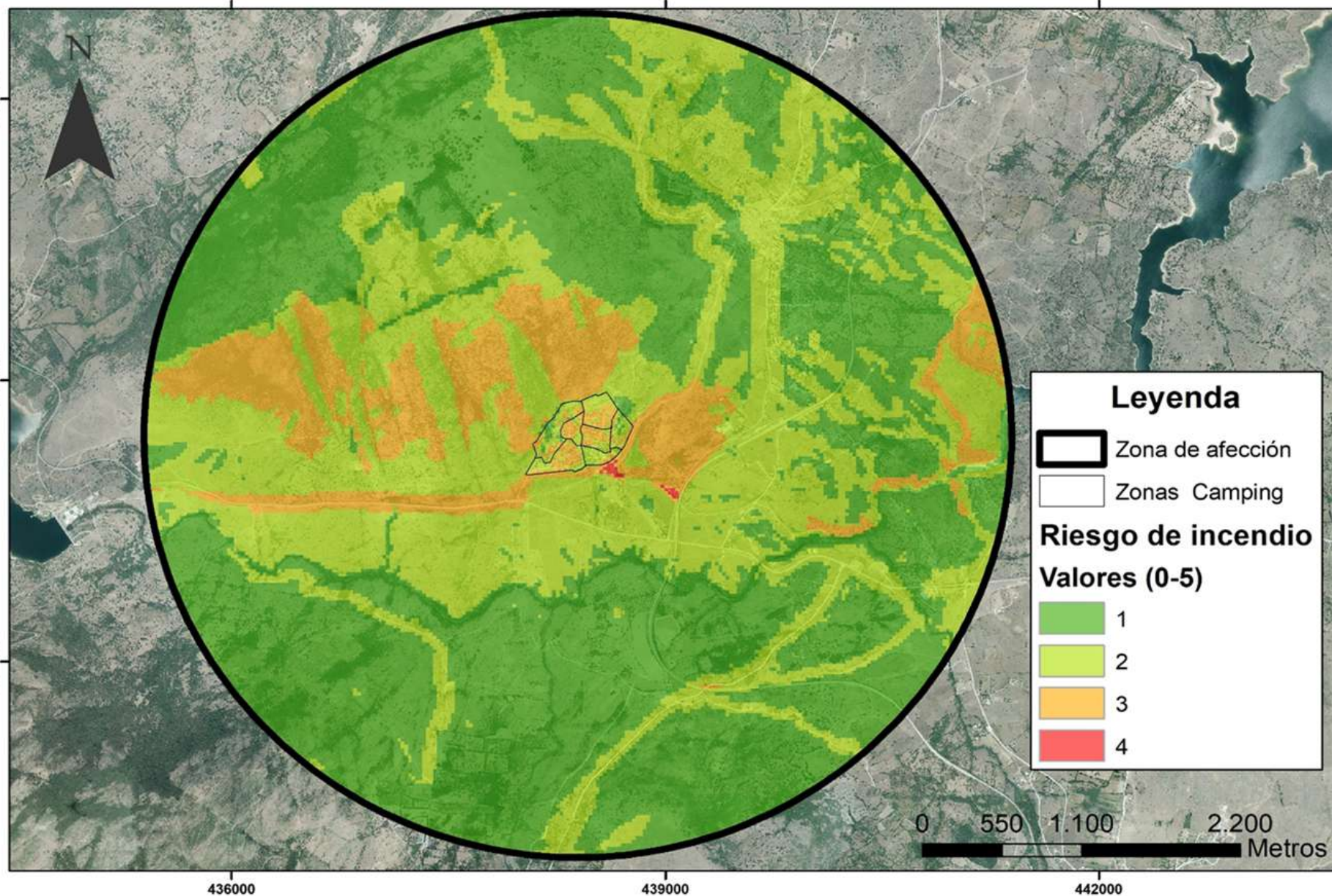


270.000 m2 campsite in a mediterranean forest in the Sierras of Madrid Region
 Tree top cabins, ecolodges, camp area, swimming pools, bar-restaurant,
 adventure park, tourist farm

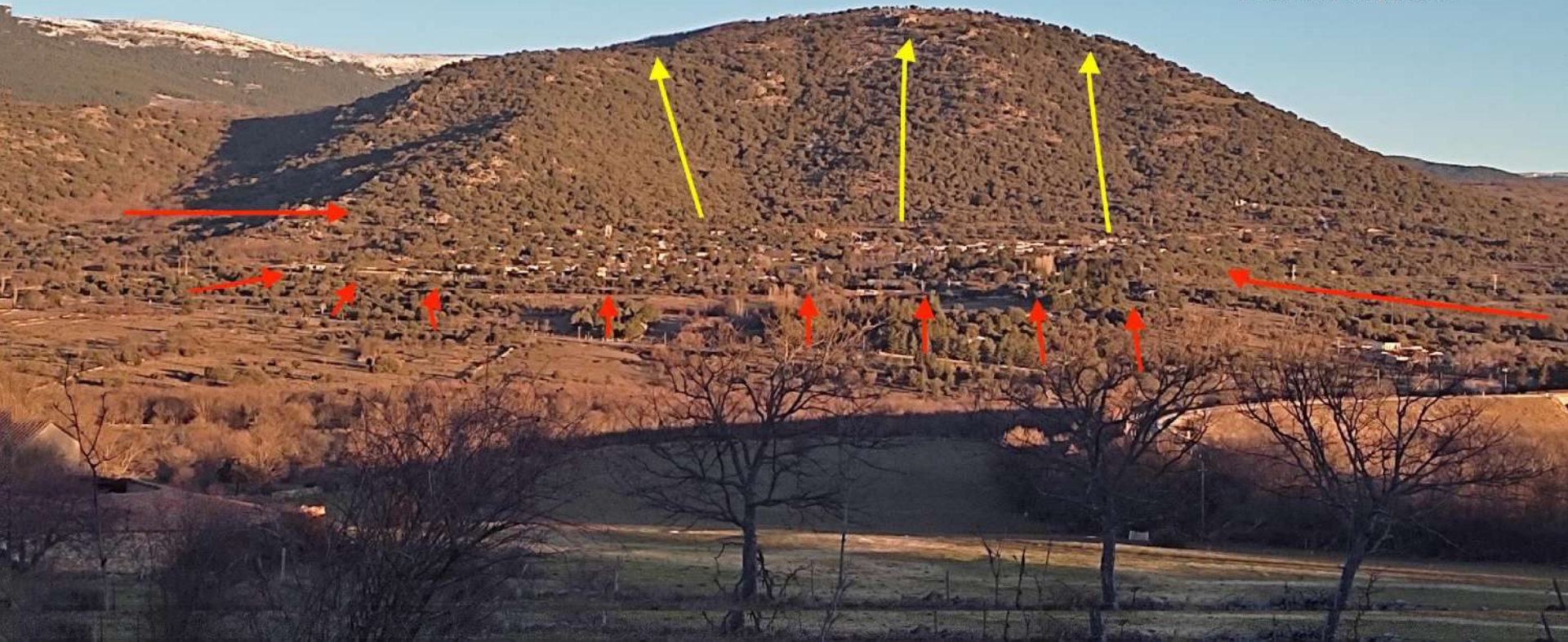




Mapa de riesgo de inicio de incendio forestal en la zona de afección al camping



DIRECCIONES DE MAS RIESGO DE INCENDIO
CAMPING MONTE HOLIDAY
GARGANTILLA DEL LOZOYA



Red: high risk of forest fires coming from the road

Yellow: vacuum effect in a 70 t/ha biomass forest





Year 2012: we built DH with a 150 kW boiler G30 woodchips and solar thermal





Gestión forestal adaptativa
para prevención de incendios en encinar



Ganado extensivo
para controlar el
matorral



1.200 personas
que proteger en 27 Ha



Caldera de biomasa de alta tecnología
Red de calor con energías renovables



1000 m DH

2 swimming pools, restaurant, 2 toilet buildings and bungalows and ecolodges
heated with biomass/solar thermal



Mediterranean forest
 +30% slopes
 +70 t/ha biomass
 Hard and softwood coming from different species.

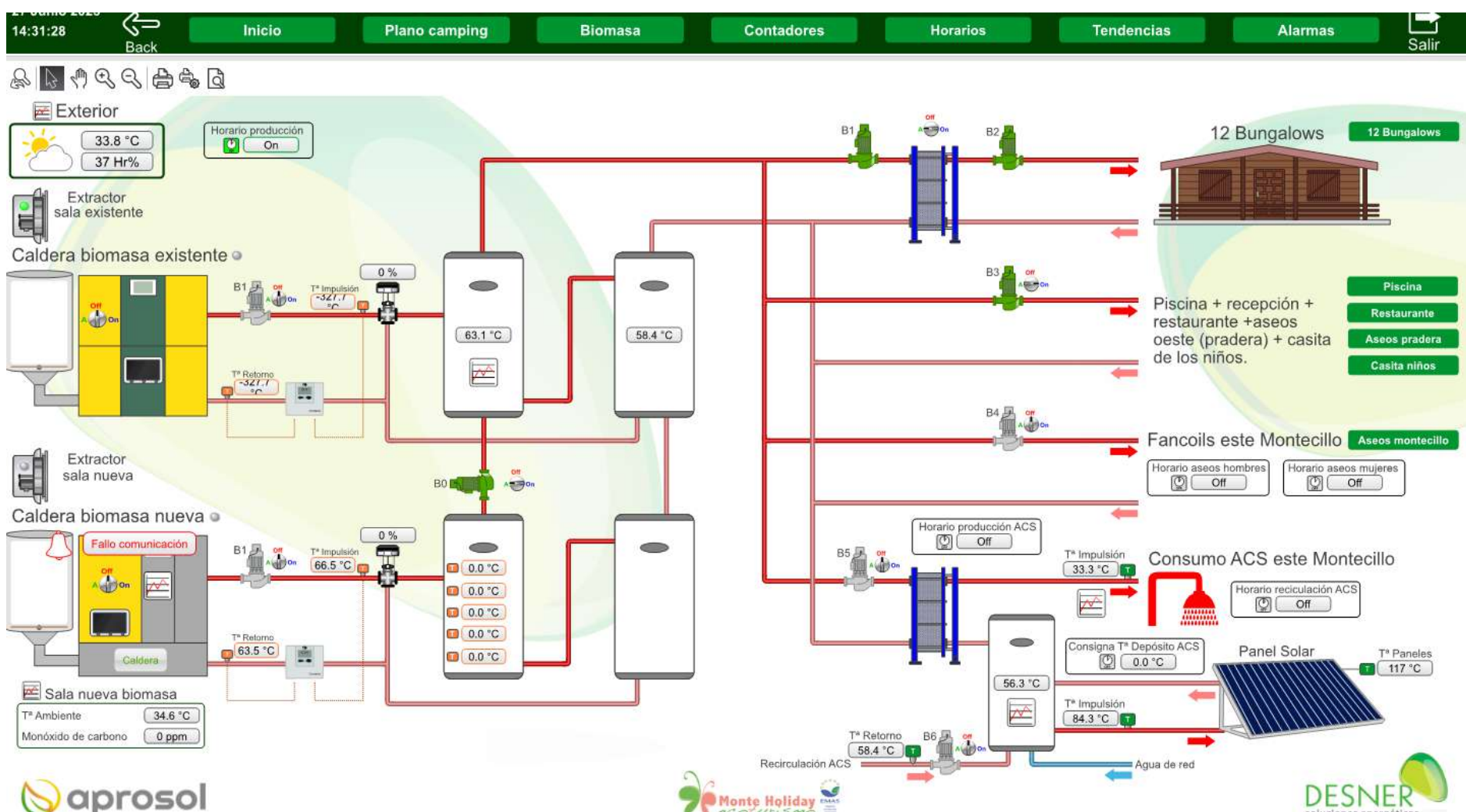






500 kW ETA (Austria) biomass boiler

Controlled by a video camera that adapt the boiler to different kind of biomass, sizes and moisture.



Digital control:

Temperature of the water tanks, heating ...

pH, clore of the swimming pools

Redox of the sewage treatment and amount of clean water produced

MONTE HOLIDAY ECOTURISMO DH SUMMARY

500 kW ETA + 150 kW KWB + 75 kW solar thermal

500 MWh/year + solar thermal

200 t/year 35% moisture

Wood chips G50

Hard and softwood

30.000 €/year to fire prevention

4 to 8 c€/kwh

300.000 € investment

25% Next Generation



HOW DO WE ALIGN AGAINST FOREST FIRES?

The Self-Protection Plan (SPP) is key to protect the Urban Forest Interface (UFI), in this areas we propose:

- We propose adapting environmental legislation to prevent fire risk in the interface. Nowadays we have full support from firefighters but not from the Environmental Department.
- Silvicultural treatments in public forests within the interface should have priority of investment and action.
- Private forests in the interface should have better scoring for public subsidies.
- The energy use of biomass from private forests in the interface should receive better scoring for public subsidies.
- Rewilding is not possible in the interface due to the risk of forest fires.
- We need more investment. Sources of co-financing should include fire prevention as carbon sequestration.

Now we are aware of the risks, we have the knowledge, the equipment and the will to protect the families coming to Monte Holiday Ecoturismo. The priority is the people. It's time to take action and **ALIGN AGAINST FOREST FIRES!**

Forest silviculture for fire prevention in Monte Holiday Ecoturismo to feed its DH



Antonio Gonzalo Pérez CEO Monte Holiday Ecoturismo
antoniogonzalo@monteholiday.com
www.monteholiday.com