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Final project results ERASMUS PLUS Project

EUMA – improvement of good governance of climbing and mountaineering in Europe European mountain huts

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Organization(s): 1: European Union of Mountaineering Associations, Belgium; 2: DAV, Germany; 3: PZS, Slovenia; 4: FPSM, North Macedonia; 5: EOOA, Greece; 6: JAMES, Slovakia; 7: ÖAV, Austria; 8: ERA, Germany; 9: CHS, Czech Republic



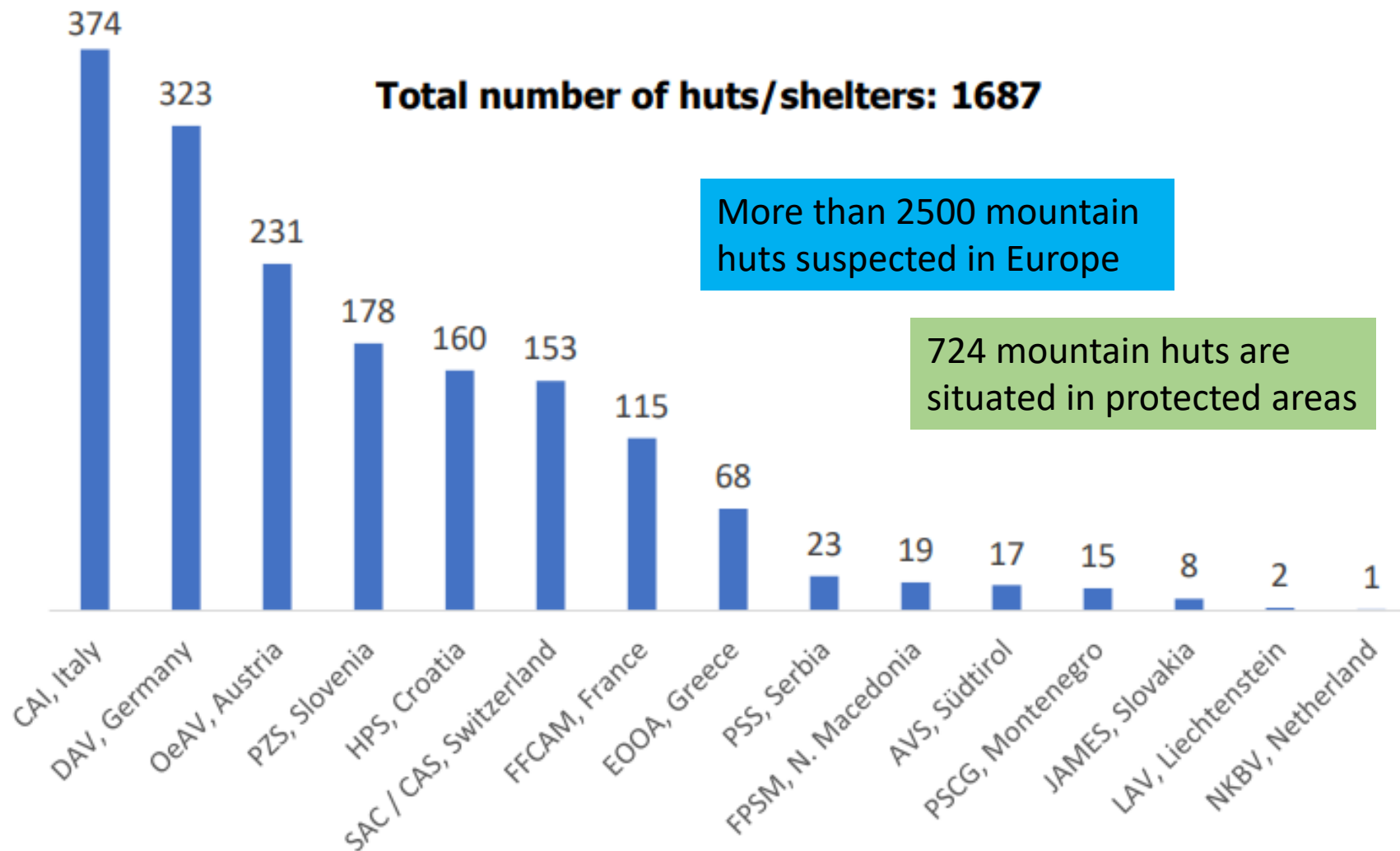
UNIVERZITA
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How many mountain huts do we have in Europe?



Association mountain huts in Europe

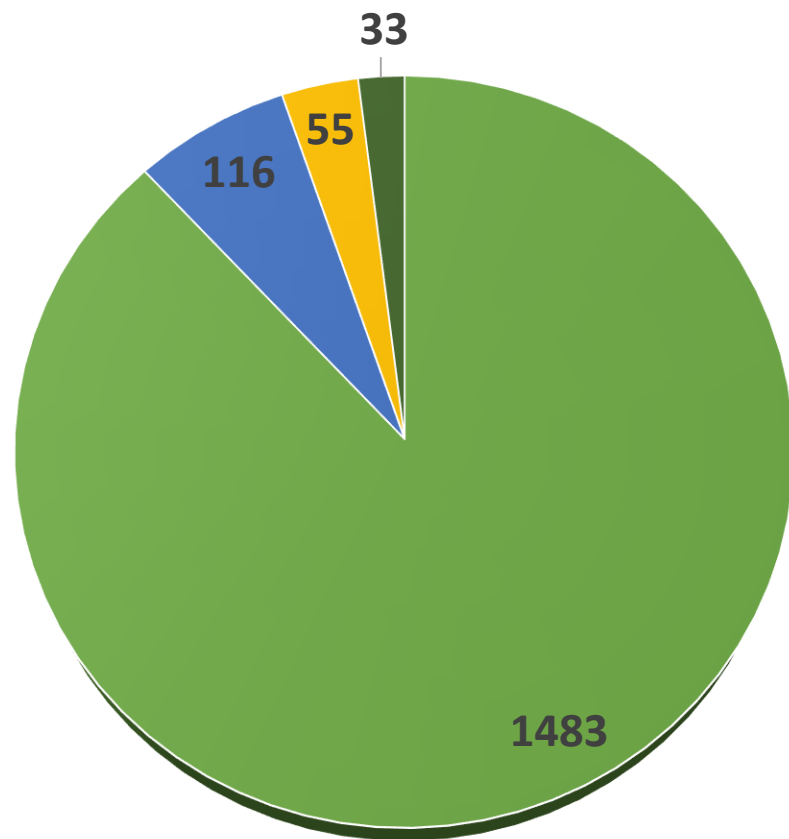


Detailed data available from 13 countries and 1034 mountain huts

DAV, Germany
PZS, Slovenia
OeAV, Austria
HPS, Croatia
FFCAM, France
PSS, Serbia
EOOA, Greece
AVS, Südtirol
FPSM, N. Macedonia
PSCG, Montenegro
JAMES, Slovakia
NKBV, Netherland
LAV, Liechtenstein



Type of huts in absolute numbers

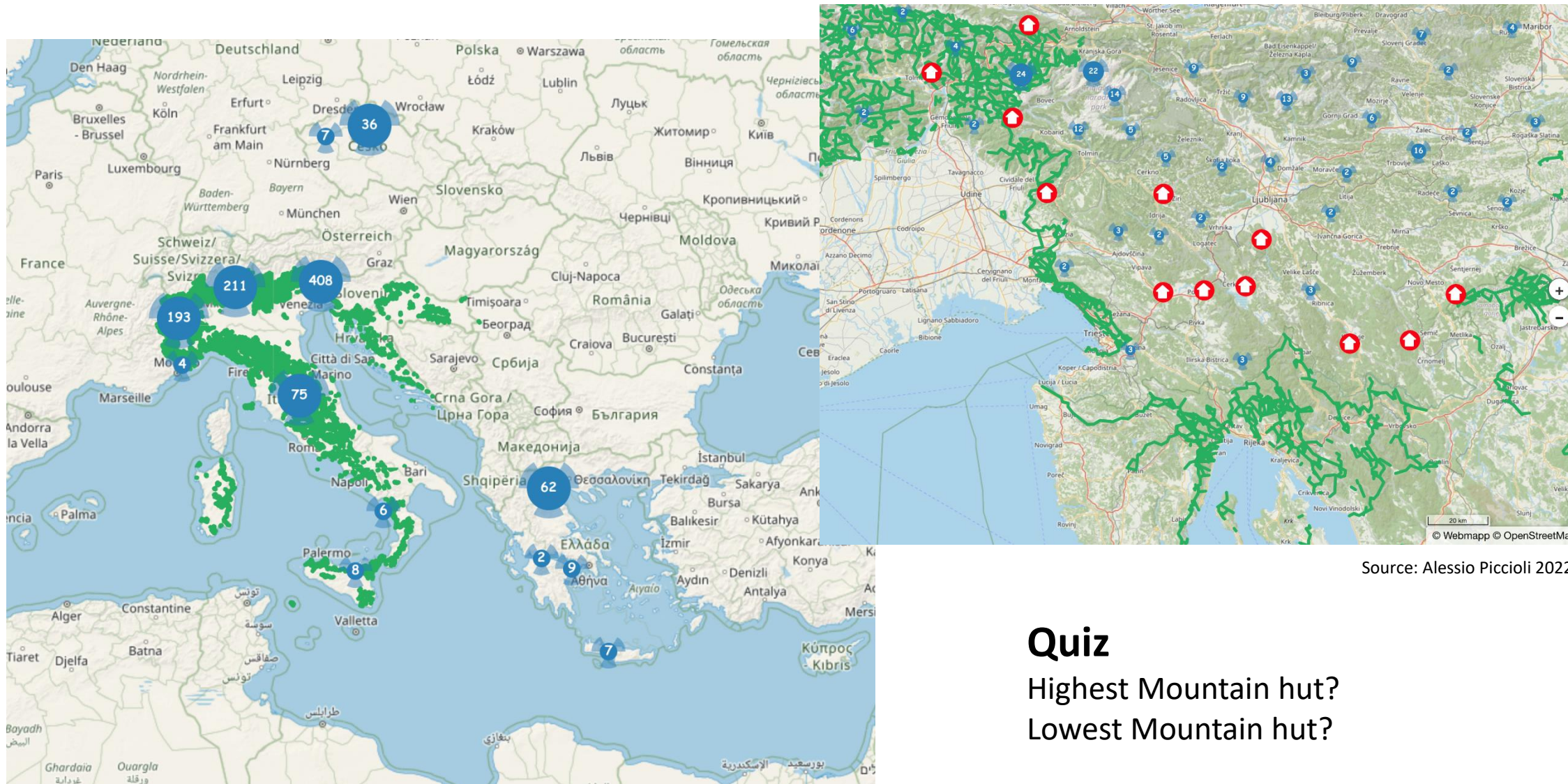


- Hut / Huette / Haus / Dom / Koca / Casa / Rifugio / Refuge
- Bivacco, Biwak, Bivouac / Zavetisce / Shelter
- Camona / Chamanna / Chamonna / Cappana / Cabane
- Other (Baita, Casera, Posto Tappa, Undefined)

Top 4
Associations

ASSOCIATION	Bivacco, Biwak, Bivouac / Zavetisce / Shelter
HPS, Croatia	41
PZS, Slovenia	26
Switzerland	15
OEAV	14

EUMA European mountain huts data base

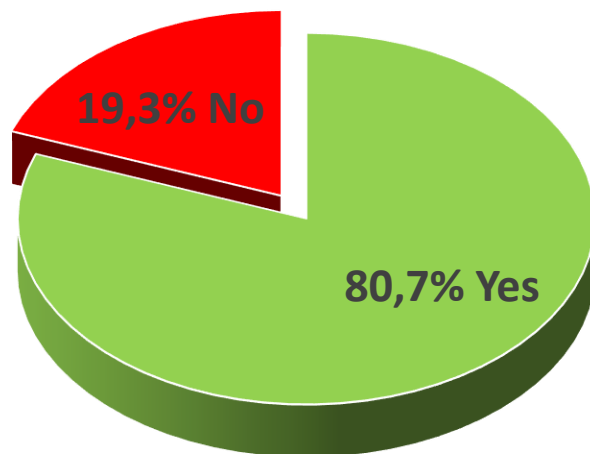


Source: Alessio Piccioli 2022

Quiz

Highest Mountain hut?
Lowest Mountain hut?

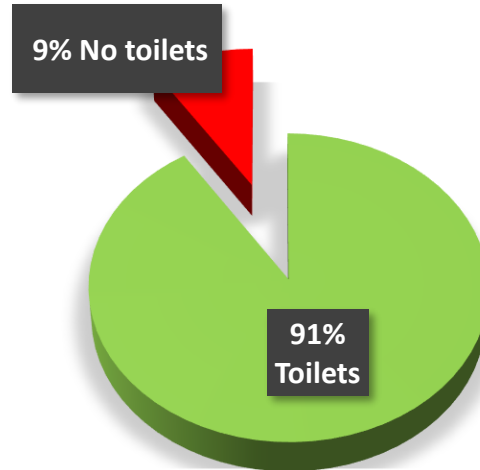
Waste Management



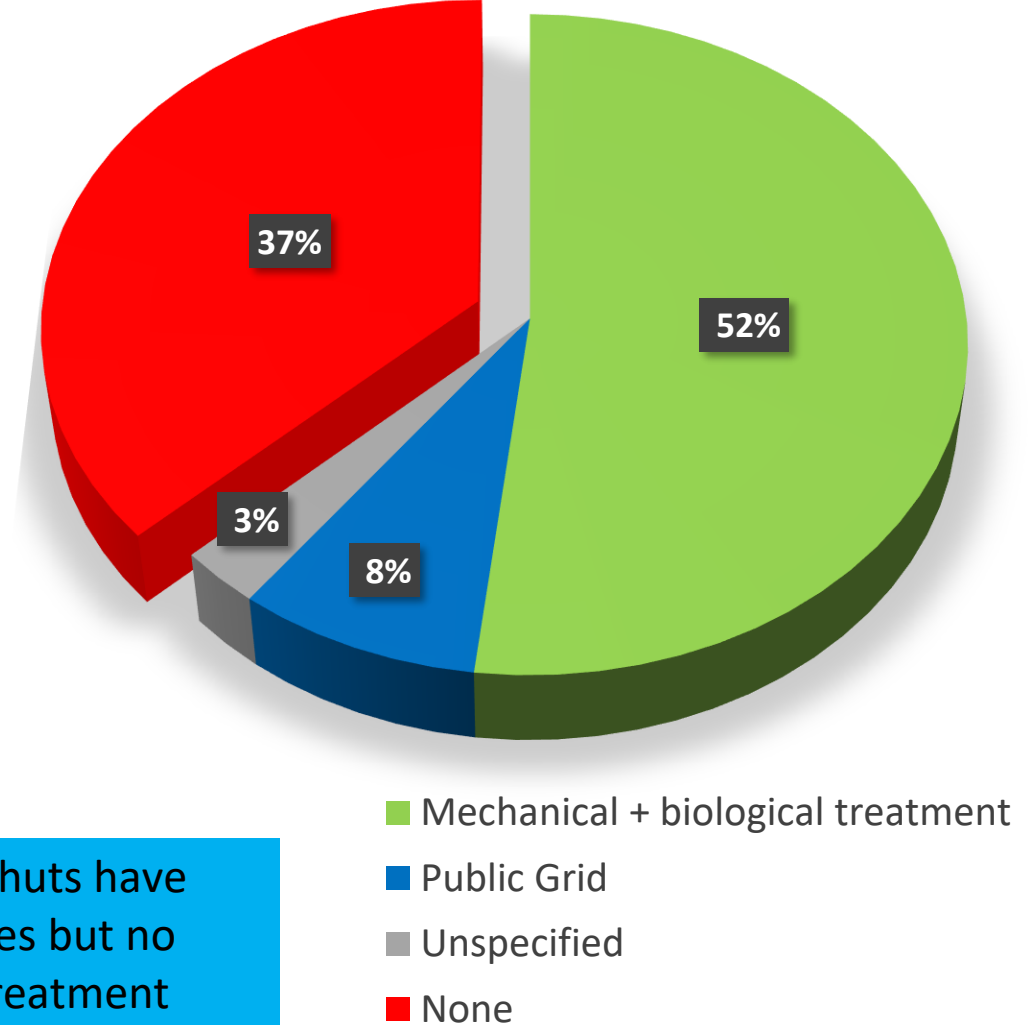
Association	No	Yes
HPS, Croatia	0%	100%
DAV, Germany	10%	90%
EOOA, Greece	100%	0%
FPSM, N. Macedonia	100%	0%
NKBV, Netherland	0%	100%
PSS, Serbia	100%	0%
JAMES, Slovakia	0%	100%
FFCAM, France	38%	63%
OeAV, Austria	3%	97%
CAI, Italy	No Data	No Data
PZS, Slovenia	10%	90%
SAC, Switzerland	No Data	No Data
AVS, Südtirol	35%	65%
LAV, Liechtenstein	50%	50%
PSCG, Montenegro	21%	79%

Waste water treatment and sanitary facilities at European mountain huts

Sanitary Infrastructure

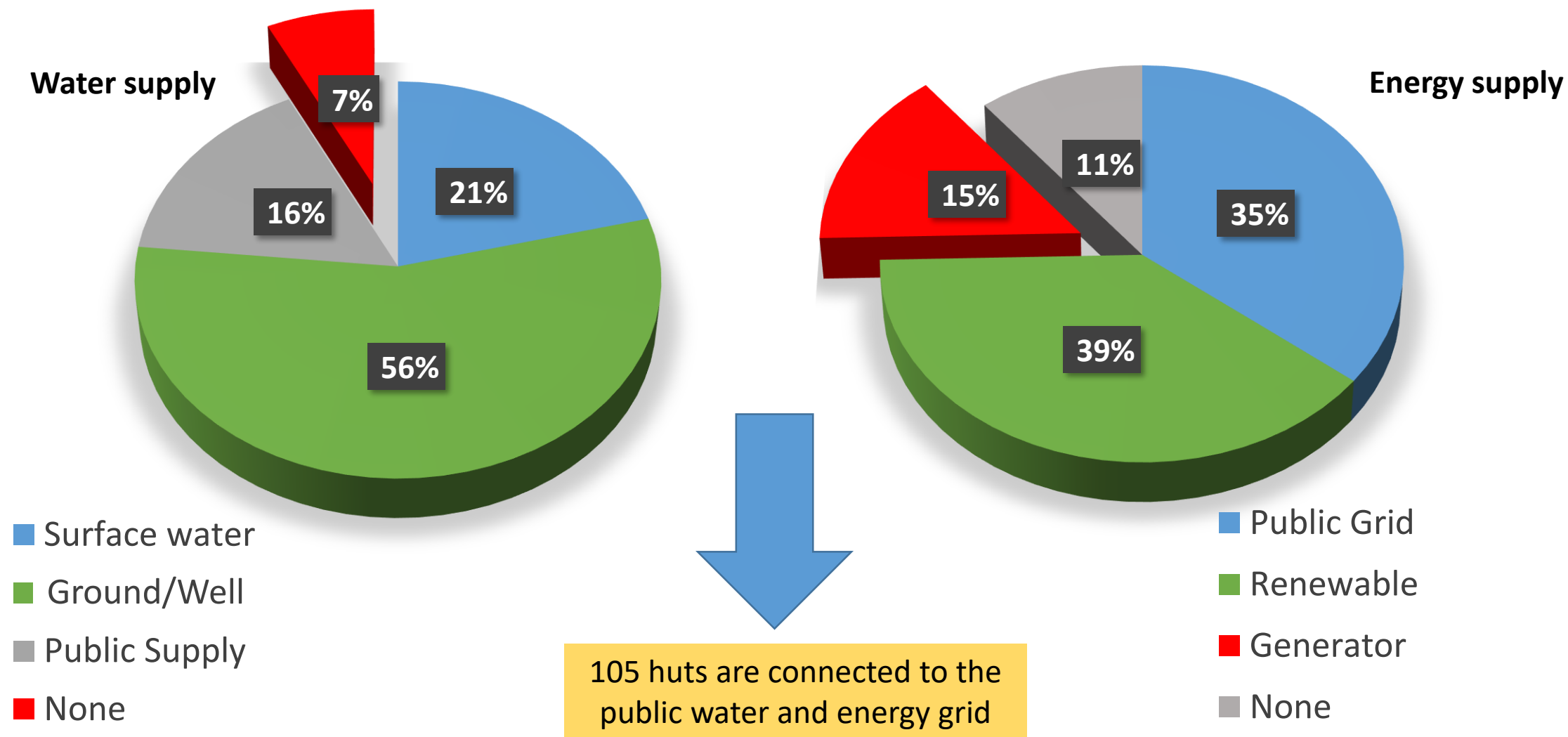


Waste water treatment

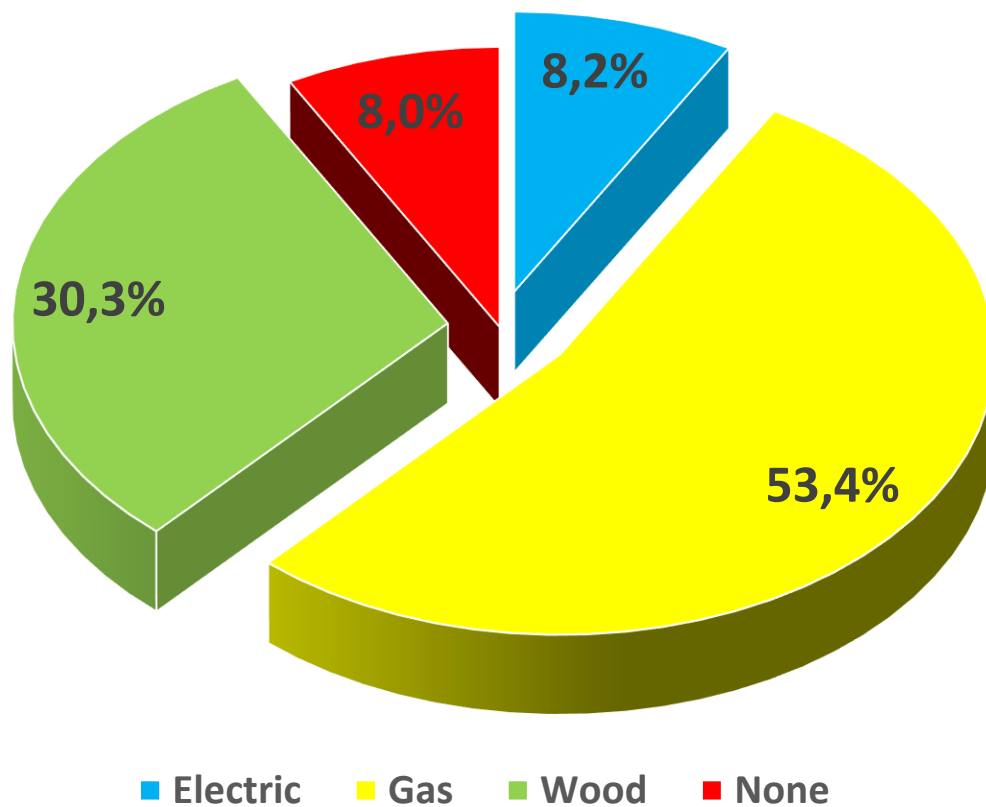


192 Mountain huts have
sanitary facilities but no
Waste water treatment

Water and Energy supply at European mountain huts



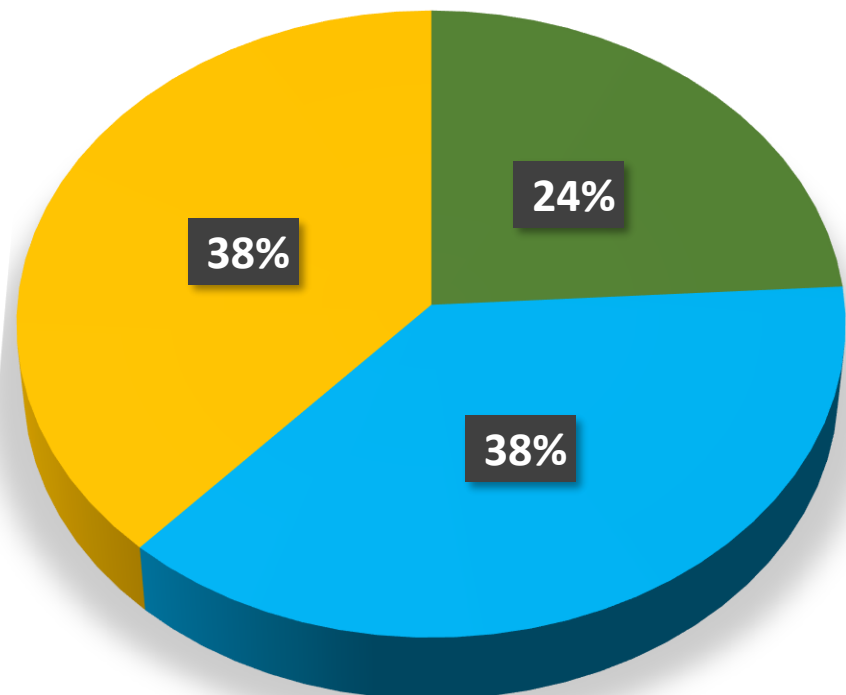
Energy Supply for the kitchen



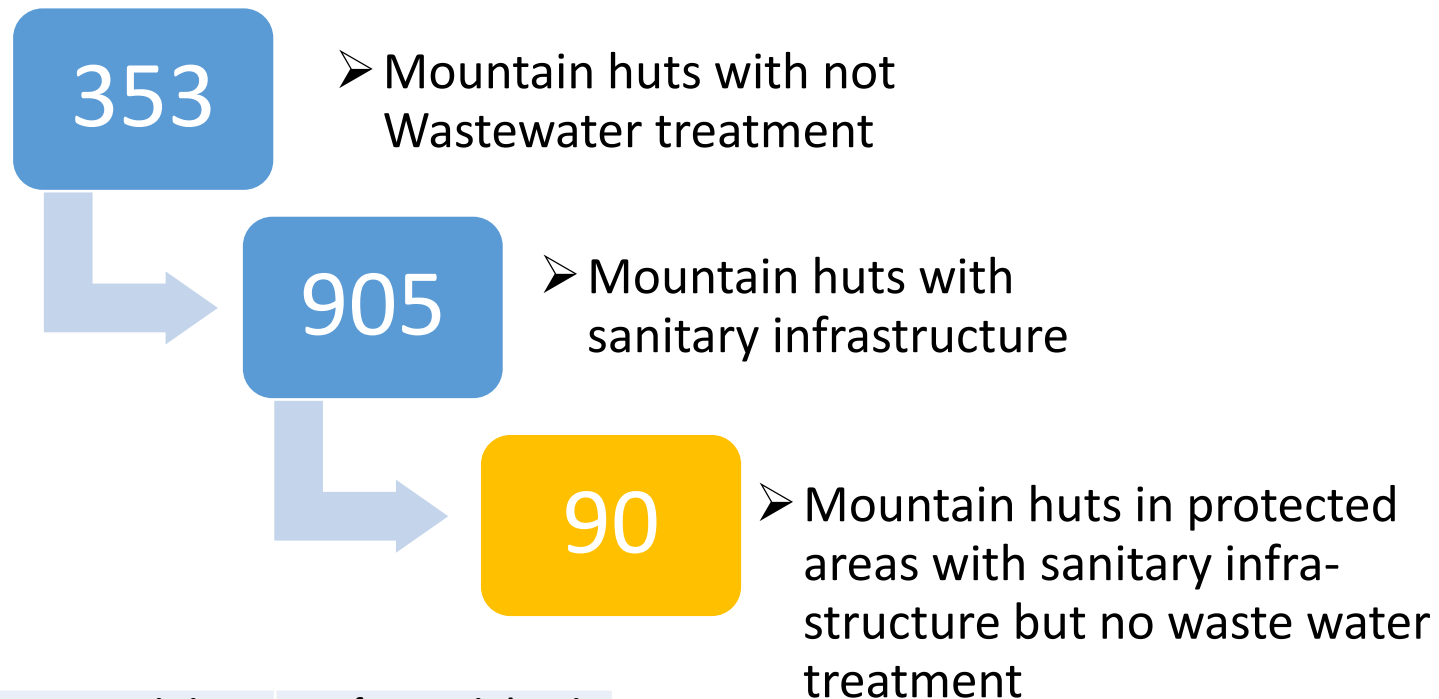
Source: PZS, 2020

European mountain huts in protected areas

Huts in protected areas



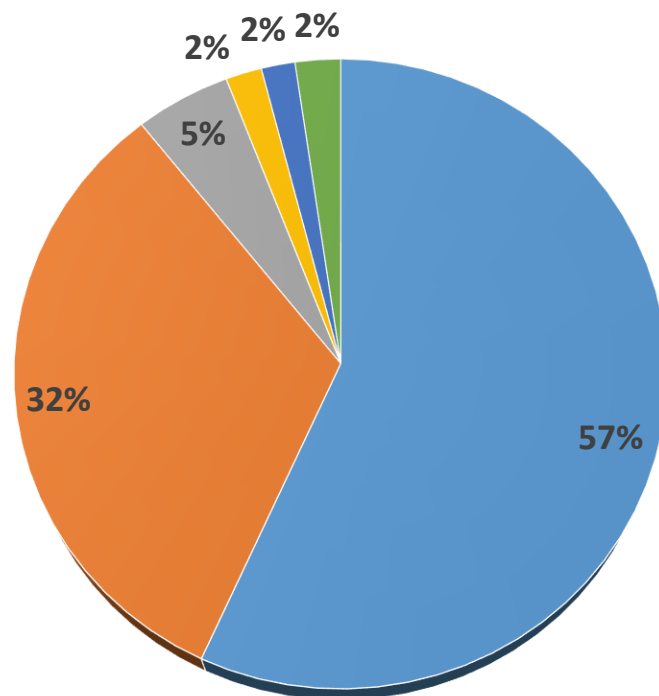
- National Park and Natura 2000
- Other protected Area
- Not protected area



Top 5 Associations and Country	Nr. of mountain huts in all kind of protected areas
DAV, Germany	148
PZS, Slovenia	117
OeAV, Austria	91
HPS, Croatia	69
FFCAM, France	49

Ownership

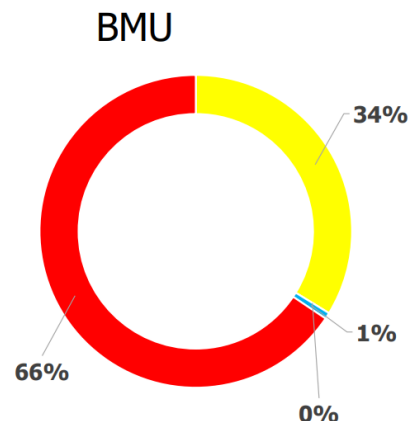
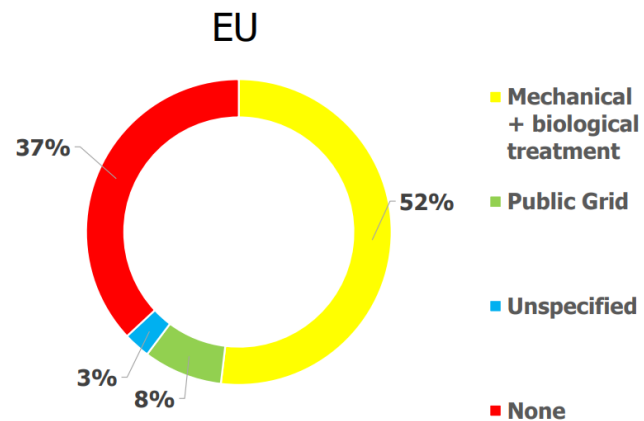
- Mountaineering Association
- Mountain Club / Sektion / EOS, POA, SOX, SEO, XOS, SHO, XOO
- Municipality
- State
- Private property
- Other (Church, NGO, National Park ...)



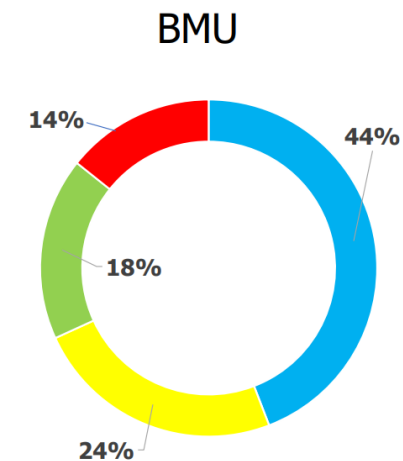
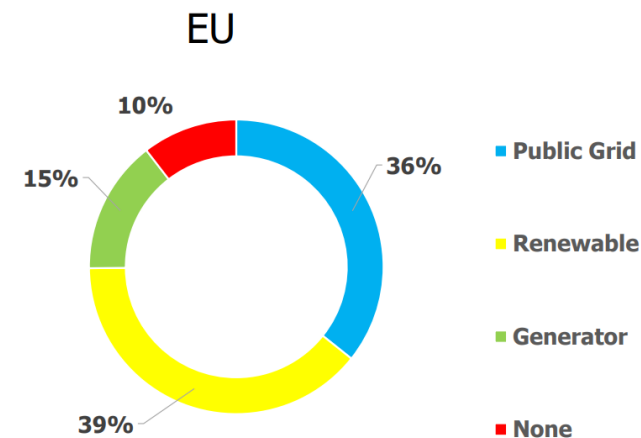
ASSOCIATION	Mountaineering Association	Mountain Club / Sektion / EOS, POA, SOX, SEO, XOS, SHO, XOO
PZS, Slovenia	2	154
FFCAM, France	115	
SAC / CAS, Switzerland	153	
CAI, Italy	306	
HPS, Croatia	104	
OEAV	231	
JAMES, Slovakia	4	
LAV, Liechtenstein	2	
PSS, Serbia		16
NKBV, Netherlands	1	
FPSM, North Macedonia	6	5
EOOA, Greece	7	47
DAV, Germany	5	316
AVS, Suedtirol	17	
PSCG, Montenegro	1	7

Comparison Balkan states (BMU) and Central European states (EU) 1

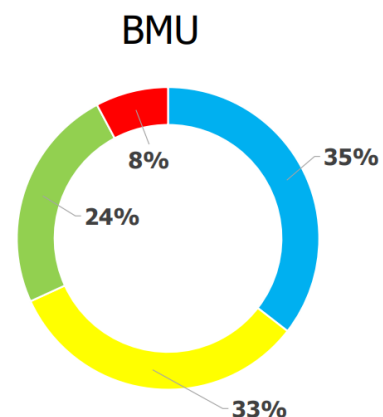
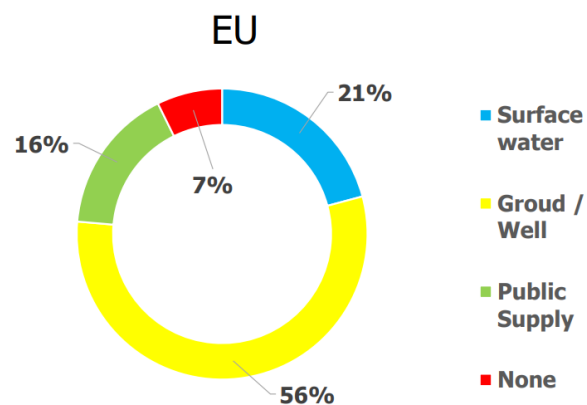
Waste water treatment



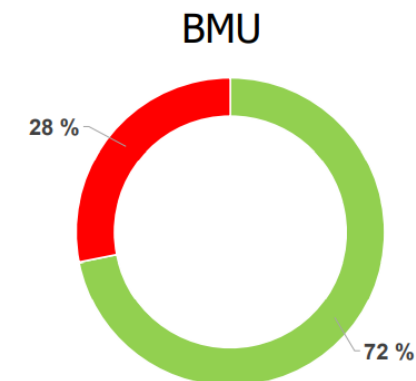
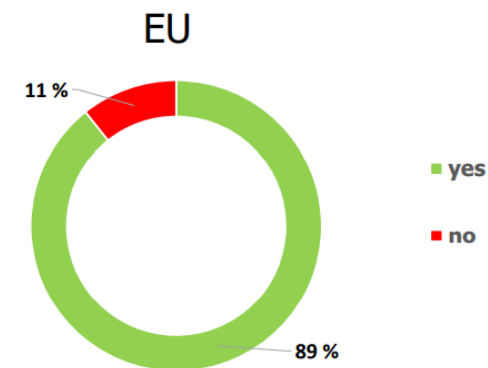
Energy supply



Water supply

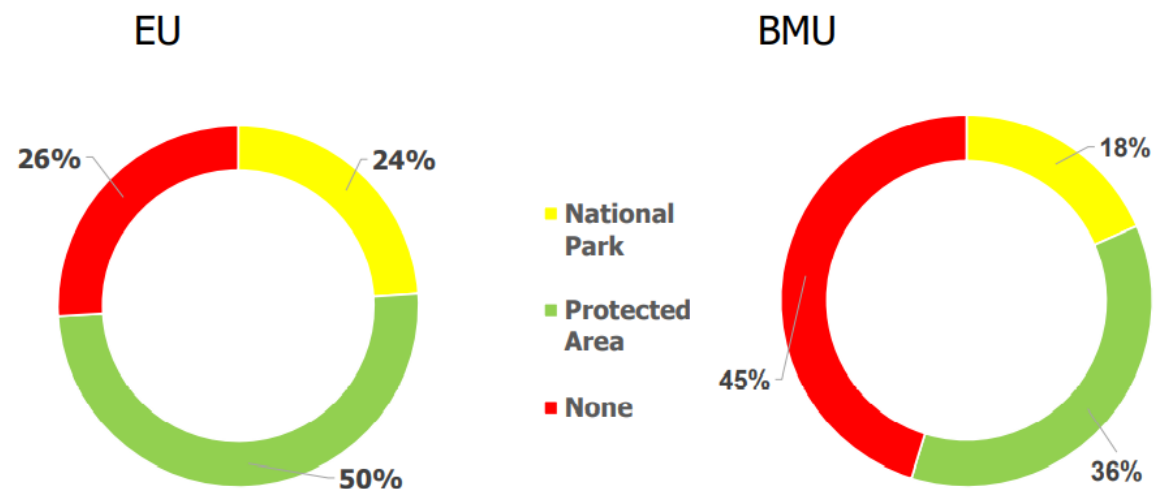


Waste Management System

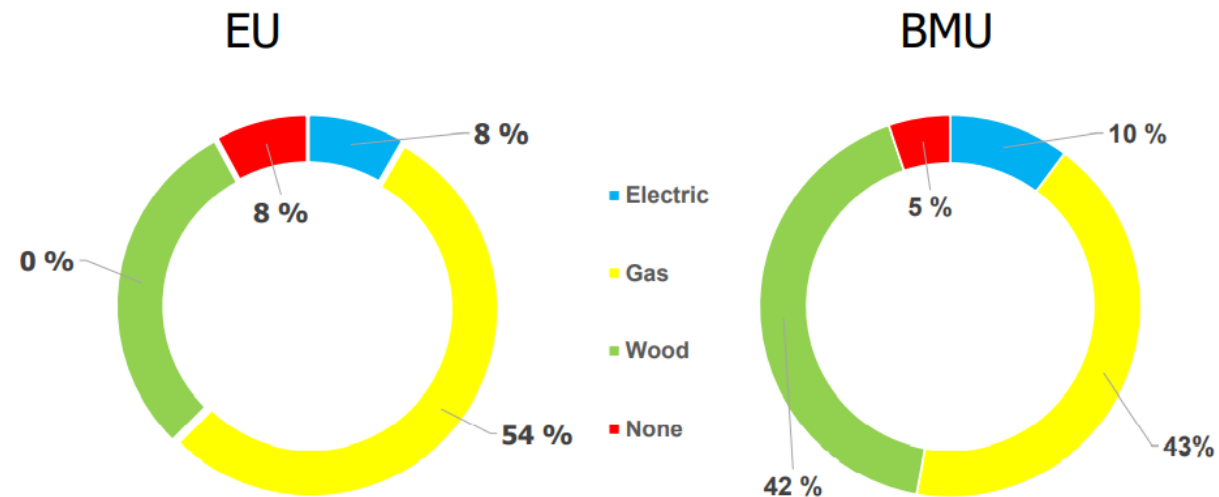


Comparison Balkan states (BMU) and Central European states (EU) 2

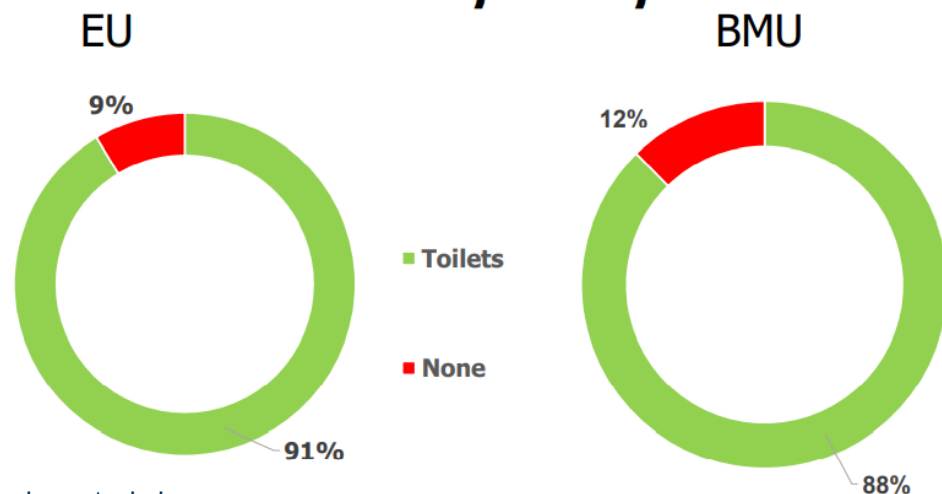
Kind of area nationalpark or other protected area



Kitchen facilities



Sanitary facility



Conclusion of comparison

Parameter	BMU huts	EU huts
Waste water treatment	+ No WW treatment	+ Public grid connection + WW treatment
Water supply	+ Surface water + Public grid connection	+ Ground/Well
Energy supply	+ Public grid connection + Without energy supply	+ Renewables
Waste management		+ WM plans
Protected areas and National parks	+ Non protected	+ National parks + Protected areas
Energy for the kitchen	(+) Electrical power	+ Gas (+) No energy supply
Toilets		(+) Toilets



Source: Andreas Aschaber, 2020

Who needs mountain huts?

Functions of mountain huts

- Point of influence for **visitor guidance** and **nature protection**
- Point of information for **route** and **weather conditions**
- Point of **accident report** and **first aid**
- Foster **European cohesion**
- Provision of **shelter** and **alimentation**
- Contribute to the **national GDP**
- Facilitate **social sustainability**
- Create **jobs**

Conclusion

- Make mountain huts climate fit
- Ease legislative pressure on mountain huts
- Make the share on the national GDP of mountain huts visible
- Awareness rising concerning mountain huts in Europe
- Create Europewide environmental recommendations for mountain huts
- Mountain huts are need to be managed by NGOs



Source: DAV, 2022



Sources

Sleep and eat well on our European mountain huts!

