

# **SYMPOSIUM 2024 IN CATALONIA – THE BALANCING ACT OF TOURISM – BETWEEN RIGHTS, RESOURCES & RESPONSIBILITIES**



## **CATALONIA: A SUSTAINABLE DESTINATION – CLIMATE ACTION INSIGHTS FROM INDUSTRY LEADERS**

ROUNDTABLE  
**Human Rights  
in Tourism**

**CATALUNYA**

# CAMPSITE SECTOR IN CATALUNYA

- 353 Campings in Catalunya.
- 266829 Touristic Places.
- 42,60% of the tourist offer in Catalunya (49,60% without hotels in BCN city).
- 2023 → 4,02M Tourists and 19,2M overnights (Comunitat Valenciana, in 2023, 1,3M Tourists and 10M overnights). \*
- 557M€ Turnover 2022. \*
- 2647M€ Economic impact in the region, includes transportation, accommodation, activities and others. \*
- 15000 Jobs in high season. \*
- 11 Superplatz ADAC are in Catalunya, 16 total in Spain.
- 13 Top Campings ANWB are in Catalunya, 18 total in Spain.
- In 2022 Camping La Ballena Alegre (Sant Pere Pescador) awarded with ADAC award the most sustainable camping in EU.

\* Data from Baldrick i Munitz S.L. analysis, Campsite consultant in Catalonia(April 2024)

# WATER RESOURCE MANAGEMENT IN CAMPSITES

WATER CONSUMPTION YEAR 1999  
**600 Lt/ua/dia**

WATER CONSUMPTION YEAR 2023  
**350 Lt/ua/dia**



**41,66%**

CONSUMPTION CHANGE DURING THE YEAR

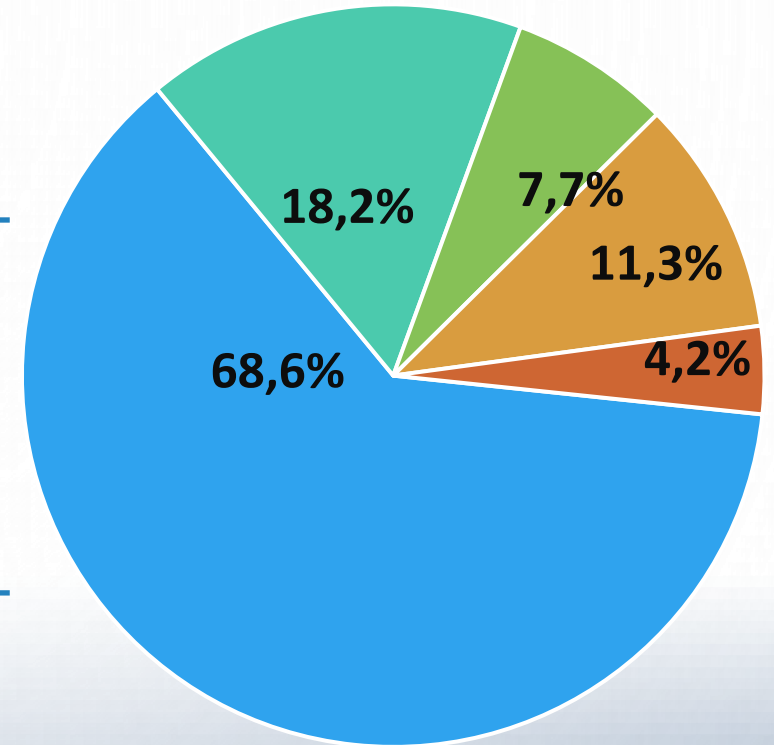


MONTH WITH LOWER CONSUMPTION (200 Lt/ua/dia) – MONTH WITH HIGHER CONSUMPTIONS (535 Lt/ua/dia)

MOST EFFICIENT CAMPSITE IN GIRONA



AVERAGE 160-180 Lt/person/day ANUAL GLOBAL CONSUMPTION



- COLD WATER HUMAN CONSUMPTION
- HOT WATER HUMAN CONSUMPTION
- SWIMMING POOLS
- IRRIGATION
- LAUNDRIES

# WATER RESOURCE MANAGEMENT IN CAMPSITES

## SECTORIZATION AND DATA ANALYSIS



SECTORIZATION of the different consumption points to analyse them and take decisions.

Project SMART2HOTEL: Consumption digitalization to introduce AI.

## TRAINING AND AWARENESS



Own staff, Customer, suppliers.

## REDUCE POLLUTANTS FROM WASTE WATER



Hydrocarbon separator in car wash area.  
Microplastic filters for washing Machines.

## PREVENTIVE MAINTENANCE PROGRAM FOR FACILITIES



Preventive maintenance program for facilities updating annually.

## FLOOD RISK



Adaptation of facilities to reduce the impact of flooding events.

# WATER RESOURCE MANAGEMENT IN CAMPSITES

## ACTIONS TO IMPROVE FACILITIES EFFICIENCY

FLOW LIMITERS ON WATER TAPS

DIATOMITE FILTERS IN SWIMMING POOLS

INFINITY POOLS

INSTALLATION OF WATER METERS BY AREAS → BASED IN CONSUMPTION DATA WE CAN INTRODUCE IMPROVEMENTS

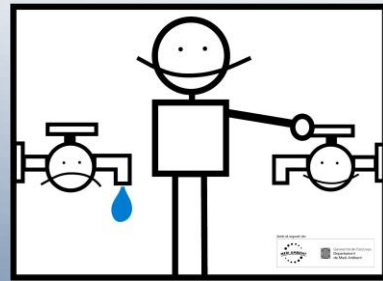
DRIP IRRIGATION AND DIGITALIZATION (HUMIDITY SENSORS...)

GREY WATER REUSE FOR OTHER AREAS AND USES (TOILETS..)

MORE EFFICIENT LAUNDRIES (35/50% SAVINGS)

RAINWATER REUSE

WELLS TO REINTRODUCE RAINWATER INTO THE SUBSOIL



# WATER RESOURCE MANAGEMENT IN CAMPSITES

## ACTIONS TO IMPROVE FACILITIES EFFICIENCY

SECONDARY WATER SUPPLY NETWORK FROM THE OUTDOOR SWIMMING POOL.

WE CONNECT THE OUTDOOR SWIMMING POOL WITH THE FIRE WATER SUPPLY NETWORK.

THE FLUSHING TOILETTES WATER BY THE TOILET BUILDINGS IS OBTAINED THROUGH THIS SECONDARY WATER SUPPLY NETWORK.

### ADVANTAGES

WE REDUCE THE WATER POLLUTION IN SWIMMING POOL BY ADDING FRESH WATER

WE LOWER THE WATER TEMPERATURE IN SWIMMING POOL BY 3°C

WE GENERATE A DOUBLE USE OF WATER

WE HAVE A WATER RESERVE OF 350 M<sup>3</sup> FOR FIRE FIGHTING

### DISADVANTAGES

LITTLE INCREASE IN USE OF POOL CHEMICALS

ENERGY COST OF PUMPING WATER



# WATER RESOURCE MANAGEMENT IN CAMPSITES

NOWADAYS, SUSTAINABILITY MANAGEMENT IS VERY IMPORTANT BUT IS NOT A PLUS AS IT WAS IN EARLY 2000'S. IT HAS TO BE A MUST IN ALL THE PRODUCTS OR SERVICES.

CLIMATE CHANGE REQUIRE A MAJOR ADAPTATION IN BUSINESS MANAGEMENT

MORE AND BETTER MEANS TO MANAGE EMERGENCIES

BETTER TRAINING FOR HUMAN RESOURCES

BETTER CUSTOMER COMMUNICATION AND AWARENESS

FLOOD RISK MANAGEMENT, CHANGES IN FACILITIES DESIGN, BETTER FLOOD INSULATION FROM THE ENVIRONMENT, RAISING THE LEVEL OF BUILDINGS

# WATER RESOURCE MANAGEMENT IN CAMPSITES

BEING PART OF WATER RESOURCE MANAGEMENT ENTITIES.

CAMPINGS ARE PART AND PARTICIPATE IN “JUNTA CENTRAL D’USUARIS D’AIGUA DEL BAIX TER” AND “JUNTA CENTRAL D’USUARIS D’AIGUA DEL FLUVIÀ” (TOGETHER WITH MUNICIPALITIES, AGRICULTURAL SECTOR, INDUSTRY, TOURISM SECTOR)

[aiguabaixter.cat](http://aiguabaixter.cat)

JUNTA CENTRAL D’USUARIS D’AIGUA DEL BAIX TER WAS CREATED IN 2012, AND WORK TOGETHER WITH ACA (CATALAN WATER AGENCY)

HAVING A GOOD KNOWLEDGE OF AQUIFERS AND WATER SUPPLIES IS NECESSARY TO ENSURE A GOOD WATER RESOURCE MANAGEMENT





**THANK YOU**

