

Risk Screening for Water Use

Galp's Integrated Water Risk Assessment

March 2023

Strategy and Sustainability



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Acronyms and Abbreviations

RNW	Renewable Energy Sources
SF&T	Storage Facilities & Terminals
SS	Service Stations
SV	Seasonal Variability
WRI	World Resources Institute

1. Introduction

Water is an essential natural resource for the operation of all industrial activities. The current trends of population growth and consequent urbanization and industrialization have resulted in this resource being increasingly subject to numerous pressures - locally, regionally, and globally -, which threaten its sustainability.

In that sense, companies are increasingly concerned with assessing the future availability of water in the areas where they operate and in determining the risks and impacts inherent in the use of water in their activities. In recent years, various tools and methodologies have been developed to help companies respond to this challenge.

Galp is currently using the WRI Aqueduct Water Tool. The WRI Aqueduct Water Tool was developed with the support of the Aqueduct Alliance, a coalition of companies, governments and foundations at the cutting edge of water stewardship. This tool maps water risks such as floods, droughts, and stress, using open-source, peer reviewed data. It is used to identify and evaluate water risks around the world. It has the advantage of being available online, free of charge, and useful for companies to assess and disclose the use of water and qualitative risks associated with it, in terms of availability and access to water.

The application of the tool presented can be interesting as a first approach to the dissemination of the use of water in Galp and to a risk assessment. However, for the proper management of risks associated with water quality and availability, it is necessary to complement the results obtained in the application of this tool with studies and specific instruments of operational management of the risks and impacts to the facilities at a local scale.

2. Scope and Limitations

At Galp, any scarcity or uncertainty related with resources, in particular water, both in the present and in the future, represents an operational and strategic concern. In this sense, the knowledge of the risks associated with the use of water in the various regions where it operates or holds a stake is fundamental to the sustainable growth of the Company.

The present document has been prepared with the purpose of presenting the risks associated with water resources, in all locations where Galp has assets under operation, through the results obtained from the application of the WRI Aqueduct Water Tool.

Table 1 - Galp sites considered in the Water Risk Assessment

Activities	No. of sites
Biofuel units	1
Exploration & Production	3
Renewable Energy Sources	20
Storage Facilities & Terminals	24
Refining	1
Cogeneration Units	2
Commercial B2C	425
Total	476

All sites were introduced in the WRI Aqueduct Water Tool and the water risks were analysed considering the defined scales for each indicator.

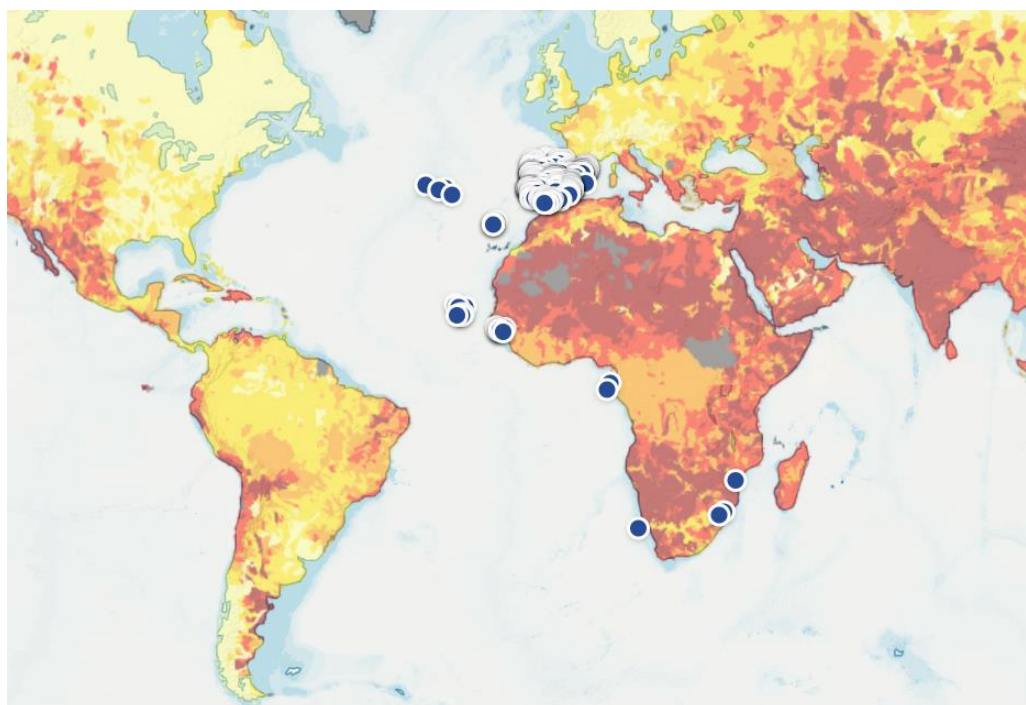


Figure 1 - Overall water risks WRI Aqueduct Tool print

The list of sites under consideration can be consulted in detail in [Annex II](#), as well as the respective coordinates used in the application of the WRI Aqueduct Water Tool.

For each site, the Baseline data 2022 was analysed considering the following indicators:

- Overall Water Risk
- Physical Water Quantity Risks
 - Water Stress (Baseline)
 - Water Depletion
 - Groundwater Table Decline
 - Interannual Variability
 - Seasonal Variability (Baseline)
 - Drought Risk
 - Riverine flood Risk
 - Coastal flood Risk
- Physical Water Quality Risk
 - Untreated Connected Wastewater
 - Coastal Eutrophication Potential
- Regulatory and Reputational Risk
 - Unimproved/ no drinking water
 - Unimproved/ no sanitation
 - Peak RepRisk Country ESG Risk Index

The weightings considered for each indicator are defined in the WRI Aqueduct Water Tool, as shown below.

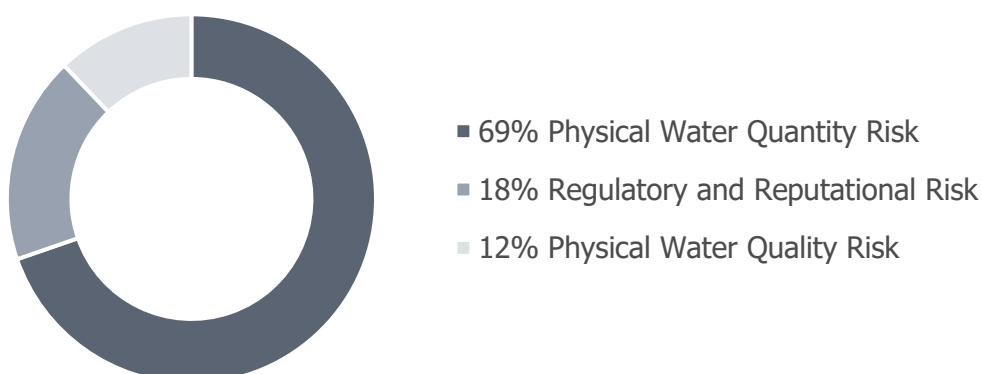


Figure 2 - Overall Water Risk weightings composition

In addition, Future Scenarios for 2030, in the Business as usual and Optimistic approaches, were analysed considering the following indicators:

- Water Stress
- Seasonal Variability
- Water Supply
- Water Demand

The meaning of all these indicators can be better understood by reading the corresponding definitions available in the [Glossary](#).

Offshore Exploration & Production blocks (3) were only considered for the purpose of assessing eventual risks for the corresponding geographical land areas that are associated with or near them. It should be noted that in most of the offshore blocks, the freshwater consumption is represented by a small portion of the total amount of water used in upstream activities. This fresh water has human supply as the main purpose, representing no significant volume for the activity, which main use/consumption comes from saltwater. Since saltwater, not classed as scarce, is predominantly used, the risks associated with these facilities are negligible. Regarding this water risk analysis, these sites shall be included in the "No Data" category.

3. Results and Discussion

In this chapter the results obtained per activity of Galp are presented, also taking into account the countries where these activities are in place. Subsequently, for each one, there are specific indicators, detailed in the 2. Scope and Limitations section of this report, for the baseline 2022 approach.

Biofuel unit

In the biofuel's activity, it is analysed a production plant of second-generation biofuel - Enerfuel (Portugal).

Overall water risk

The overall water risk is high in Enerfuel.

Table 2 - Biofuel unit Overall water risk

Name	Overall Water Risk
Biofuels - Enerfuel (2nd Generation biofuel plant)	High (3-4)

Physical Water Quantity Risks

For this site, the physical water quantity risk is extremely high, mainly due to the extremely high water stress and high water depletion verified in this region.

Physical Water Quality Risks

In Enerfuel, the physical water quality risk is low-medium, a consequence balance of the low untreated connected wastewater and high coastal eutrophication potential indicators.

Regulatory and Reputational Risk

The regulatory and reputational risk is low as all indicators of sanitation and drinking water are low risk.

Exploration & Production

In the Exploration & Production activity, the 3 offshore sites, as explained before, are labelled as no data and therefore there are no results available. The list of offshore sites can be consulted in detail in [Annex II](#).

Renewable Energy Sources

Overall Water Risks

From the 20 Renewable sites, 14 of them have a low Overall Water Risk, consequence of Low-Medium Physical Water Quantity Risks and Low Physical Water Quality and Regulatory and Reputational Risks. The results presented are referred to the remaining 6 renewable sites with low-medium and medium-high overall water risks. The list of the remaining sites can be consulted in [Annex II](#).

Table 3 - Renewable energy sites with higher Overall water risk

Name	Overall Water Risk
RNW - Parque Eólico de Vale Grande	Low - Medium (1-2)
RNW – Alcazar 1	Medium - High (2-3)
RNW - Alcazar 2	Medium - High (2-3)
RNW - Alcazar 3	Medium - High (2-3)
RNW - FV Ictio Manzanares Solar	Medium - High (2-3)
RNW – Valdecarro	Medium - High (2-3)

Physical Water Quantity Risk

The Physical Water Quantity Risk varies according to the solar parks' locations. In Portugal, where 1 of the 6 higher risk sites is located, the park in centre Portugal, in the Coimbra province, Parque Eólico de Vale Grande have a medium-high Physical Water Quantity Risk.

In Spain, where the other 5 solar parks are located, Alcazar 1, Alcazar 2, Alcazar 3, FV Ictio Manzanares Solar and Valdecarro, the Physical Water Quantity Risk is extremely high as they are located in the Castilla-La Mancha province where water stress is extremely high and water depletion is high.

Physical Water Quality Risk

Considering that these 6 solar parks are located in Portugal and Spain, the Physical Water Quality Risk is low for all of them. The untreated connected wastewater indicator is low for all 6 sites and the coastal eutrophication potential is low-medium for all Spain sites and medium-high for the centre Portugal site.

Regulatory and Reputational Risk

Once more, and taking into account, that these 6 sites are located in Portugal and Spain, the regulatory and reputational risk is low, a consequence of the low evaluation for the unimproved/ no drinking water and unimproved/ no sanitation indicators.

Storage Facilities & Terminals

Overall Water Risk

From the 24 Storage facilities and terminals, 11 of them have a low-medium Overall Water Risk, consequence of high Physical Water Quantity Risks, from being located in Portugal and Spain. The results presented in the table below are referred to the 24 sites.

Table 4 - Storage facilities & terminals with low-medium, medium-high, high and extremely high Overall water risk

Name	Overall Water Risk
SF&T - CLCM	Low - Medium (1-2)
SF&T - Flores CL	Low - Medium (1-2)
SF&T - Gijon	Low - Medium (1-2)
SF&T - Horta GPL	Low - Medium (1-2)
SF&T - Leixões Terminal	Low - Medium (1-2)
SF&T - Nordela LPG	Low - Medium (1-2)
SF&T - Praia da Vitória	Low - Medium (1-2)
SF&T - Valência	Low - Medium (1-2)
SF&T - Viana do Castelo Terminal	Low - Medium (1-2)
SF&T - Matosinhos	Low - Medium (1-2)
SF&T - Horta CL	Low - Medium (1-2)
SF&T - CLC	Medium - High (2-3)
SF&T - LPG Petrogas	Medium - High (2-3)
SF&T - Bolola	Medium - High (2-3)
SF&T - Matsapha Fuel	High (3-4)
SF&T - Beira	High (3-4)
SF&T - LPG Matola	High (3-4)
SF&T - Bancas de Sines	High (3-4)

SF&T - Mitrena	High (3-4)
SF&T - Sigás	High (3-4)
SF&T - Sines Terminal	High (3-4)
SF&T - S.Vicente	Extremely High (4-5)
SF&T - Sal	Extremely High (4-5)
SF&T - Santiago	Extremely High (4-5)

Physical Water Quantity Risk

In Guinea-Bissau, where SF&T - CLC, SF&T - LPG Petrogas and SF&T - Bolola are located, and in Mozambique, where SF&T Beira and SF&T LPG Matola are located, the Physical Water Quantity Risk is medium-high, as water stress and water depletion are low.

In Eswatini, where the Fuel Park of Matsapha (SF&T Matsapha Fuel) is located, the Physical Water Quantity Risk is high, as a reflection on high riverine flood risk and medium-high seasonal variability. The storage facilities located in Portugal – SF&T - Bancas de Sines, SF&T – Mitrena, SF&T - Sigás and SF&T - Sines Terminal have an extremely high Physical Water Quantity Risk. All these sites are located in areas with extremely high water stress and high water depletion, with a medium-high interannual variability and drought risk.

The storage facilities located in Cape Verde, SF&T – S. Vicente, SF&T - Sal and SF&T - Santiago, don't present data for Physical Water Quantity Risk.

Physical Water Quality Risk

The Physical Water Quality Risk is lower for sites located in Europe than it is for sites located in Africa. All storage facilities in Portugal have a low-medium Physical Water Quality Risk, with high coastal eutrophication potential. All these sites have a low untreated connected wastewater value as they are located in areas with sewerage system and treated to at least a primary treatment level.

In Africa, the storage facilities located in Guinea-Bissau, Eswatini and Mozambique present a high Physical Water Quality Risk with extremely high untreated connected wastewater values. The 3 sites located in Cape Verde have an extremely high Physical Water Quality Risk, with low to no wastewater collected.

Regulatory and Reputational Risk

The Regulatory and Reputational Risk is lower for sites located in more developed countries, namely Portugal, Spain and Cape Verde. In Portugal and Spain the Regulatory and Reputational Risk is low, increasing to low-medium in Cape Verde.

The risk gets extremely high in Guinea-Bissau, Eswatini and Mozambique, mainly due to the high, in Guinea-Bissau, and extremely high, in Eswatini and Mozambique, unimproved/ no drinking water and extremely high unimproved/ no sanitation, in all 3 areas.

Refining

Overall Water Risk

Since the Sines Refinery is located in the southern area of Portugal, where Physical Water Quantity Risks are extremely high, the Overall Water Risk is considered as high.

Table 5 - Refining Overall water risk

Name	Overall Water Risk
Refining - Sines	High (3-4)

Physical Water Quantity Risk

The Physical Water Quantity Risk in the Sines province of Portugal is extremely high, consequence of an extremely high water stress, high water depletion and medium-high interannual variability and drought risk.

Physical Water Quality Risk

The Physical Water Quality Risk in the area is low-medium, mainly as a result of a high coastal eutrophication potential, as the refinery is located near the coastline.

Regulatory and Reputational Risk

Taking into account that the refinery is located in Portugal, where unimproved/ no drinking water and unimproved/ no sanitation indicators are low, the Regulatory and Reputational Risk is low.

Cogeneration Units

Overall Water Risk

For both Cogeneration Units, located in Portugal, the Overall Water Risk is low-medium, mainly contributed by high Physical Water Quantity Risks.

Table 6 - Cogeneration Units Overall water risk

Name	Overall Water Risk
Cogeneration Unit - Agroger	Low - Medium (1-2)
Cogeneration Unit - Carriço	Low - Medium (1-2)

Physical Water Quantity Risk

Even though the 2 cogeneration units are located in different provinces of Portugal – Agroger in Lisbon and Carriço in Leiria – the Physical Water Quantity Risk is high for both sites.

Both cogeneration units are located in areas that present a medium-high water stress, medium drought risk and low-medium water depletion, coastal flood risk and interannual and seasonal variability.

Physical Water Quality Risk

Both sites have the same evaluation, with a low Physical Water Quality Risk, a result of a low untreated connected wastewater value and medium-high coastal eutrophication potential, as both are located along the Portuguese coastline.

Regulatory and Reputational Risk

The Regulatory and Reputational Risk in Portugal is low, where unimproved/ no drinking water and unimproved/ no sanitation indicators are low.

Commercial B2C

Overall Water Risks

From the 425 Commercial sites (SS – Service Stations), 21 of them, all located in Spain, have a low Overall Water Risk, mainly due to a predominantly Low – Medium Physical Water Quantity Risks and Low Physical Water Quality and Regulatory and Reputational Risks.

There are 221 sites located in Portugal (centre, north and Madeira Island) and Spain with a low-medium Overall Water Risk, consequence of High Physical Water Quantity Risks and predominantly Low Physical Water Quality and Regulatory and Reputational Risks.

There are 38 sites, 2 located in Guinea-Bissau and the remaining in Spain, with a medium-high Overall Water Risk. In the 2 sites located in Guinea-Bissau, this result is a consequence of Medium-High Physical Water Quantity Risks, High Physical Water Quality Risks and Extremely High Regulatory and Reputational Risks. For the sites located in Spain, the result is a consequence on predominantly Extremely High Physical Water Quantity Risks and Low Physical Water Quality and Regulatory and Reputational Risks.

The results presented are referred to the remaining 136 sites with high and 9 sites with extremely high Overall Water Risk. The list of the remaining sites can be consulted in [Annex II](#).

Table 7 - Commercial sites with high and extremely high Overall water risk

Name	Overall Water Risk
SS - Safim	High (3-4)
SS - Cachungo	High (3-4)
SS - Jugudul	High (3-4)
SS - São Domingos	High (3-4)
SS - Mampatá	High (3-4)
SS - Háfia	High (3-4)
SS - Luanda	High (3-4)
SS - Quelelé	High (3-4)

SS - Évora	High (3-4)
SS - Sines	High (3-4)
SS - Vilamoura Norte	High (3-4)
SS - Montemor Norte	High (3-4)
SS - Montemor Sul	High (3-4)
SS - Alcochete (N/S)	High (3-4)
SS - Loulé (Loulé/Faro)	High (3-4)
SS - Aljustrel (N/S)	High (3-4)
SS - Palmela (Set/Lis)	High (3-4)
SS - Alcácer (S/N)	High (3-4)
SS - Montijo N/S	High (3-4)
SS - Montijo S/N	High (3-4)
SS - Lagos (Faro/Lagos)	High (3-4)
SS - Alcochete (S/N)	High (3-4)
SS - Lagos (Lagos/Faro)	High (3-4)
SS - Alcácer (N/S)	High (3-4)
SS - Loulé (Faro/Loulé)	High (3-4)
SS - Aljustrel (S/N)	High (3-4)
SS - Palmela (Lis/Set)	High (3-4)
SS - Paracuellos del Jarama	High (3-4)
SS - Ronda - Málaga	High (3-4)
SS - San Antonio Dir. Alicante	High (3-4)
SS - San Antonio Dir. Tarragona	High (3-4)
SS - Leganés - San José de Valderas	High (3-4)
SS - Los Palacios	High (3-4)
SS - Madrid - Villaverde Tobalina	High (3-4)
SS - Agost - AP7 Dir.Murcia	High (3-4)

SS - Alcalá Henares - A2 Dir.Barcelona	High (3-4)
SS - Alcalá Henares - A2 Dir.Madrid	High (3-4)
SS - Agost - AP7 Dir.Valencia	High (3-4)
SS - Alcobendas - Antigua N1	High (3-4)
SS - Alcobendas - Av.Marq.Valdavia	High (3-4)
SS - Alcalá Henares - C/Villamalea	High (3-4)
SS - Alcalá Henares - Puerta de Madrid	High (3-4)
SS - Alcalá Henares - Via Complutense	High (3-4)
SS - Alcoy - C/Alicante	High (3-4)
SS - Almeria - Retamar	High (3-4)
SS - Alfaz del Pí	High (3-4)
SS - Algezares	High (3-4)
SS - Antequera	High (3-4)
SS - Aspe – Avda. Orihuela	High (3-4)
SS - Aznalfarache	High (3-4)
SS - Barajas - Aeropuerto	High (3-4)
SS - Benalmádena - Carvajal	High (3-4)
SS - Benalmadena - Av.Arroyo Hondo	High (3-4)
SS - Bellreguard	High (3-4)
SS - Benidorm - Dir.Valencia N332	High (3-4)
SS - Benidorm - Dir.Alicante N332	High (3-4)
SS - Cobeña	High (3-4)
SS - Cartagena - Unión	High (3-4)
SS - Castillo de Garcimuñoz	High (3-4)
SS - Ciempozuelos	High (3-4)
SS - Cocentaina - Dir.Alicante N340	High (3-4)
SS - Cocentaina - Dir.Valencia N340	High (3-4)

SS - Colmenar Viejo - La Mina	High (3-4)
SS - Cullera - Dir.Valencia N332	High (3-4)
SS - Coslada - Av.Jarama	High (3-4)
SS - Cuenca Centro Comercial	High (3-4)
SS - Cuenca Ronda	High (3-4)
SS - Cullera - Dir.Alicante N332	High (3-4)
SS - El Ejido - Ctra Malaga 492	High (3-4)
SS - Elche - A7Dir. Murcia	High (3-4)
SS - Elche - A7Dir. Alicante	High (3-4)
SS - Denia	High (3-4)
SS - Estepona	High (3-4)
SS - Elche - Av. Libertad	High (3-4)
SS - Fuenlabrada - Luis Sauquillo	High (3-4)
SS - Fuengirola	High (3-4)
SS - Fuengirola - Ctra. Mijas	High (3-4)
SS - Fuenlabrada - Av.Hispanidad	High (3-4)
SS - Getafe	High (3-4)
SS - Granja de Rocamora - Costa Blanca	High (3-4)
SS - Jerez - Area Sur	High (3-4)
SS - Huétor Tajar A-92	High (3-4)
SS - Jerez - A-381	High (3-4)
SS - La Carolina	High (3-4)
SS - La Nucía	High (3-4)
SS - Las Rozas	High (3-4)
SS - Madrid - Avda. Arcentales	High (3-4)
SS - Madrid - Argentina	High (3-4)
SS - Loeches	High (3-4)

SS - Madrid - Sanchinarro	High (3-4)
SS - Madrid - Sinesio Delgado	High (3-4)
SS - Madrid - Ctra Ajalvir-Vicálvaro	High (3-4)
SS - Madrid - C/Bravo Murillo	High (3-4)
SS - Marbella - Ricardo Soriano	High (3-4)
SS - Madrid - Vallecas	High (3-4)
SS - Málaga - El Viso	High (3-4)
SS - Marbella - Rodeito	High (3-4)
SS - Málaga - El Limonar	High (3-4)
SS - Málaga - Santa Barbara	High (3-4)
SS - Manilva	High (3-4)
SS - Mazarrón - Camposol	High (3-4)
SS - Gandia	High (3-4)
SS - Alcoy - Ctra.Jijona	High (3-4)
SS - Mejorada del Campo	High (3-4)
SS - Barbate	High (3-4)
SS - Bollullos	High (3-4)
SS - Montellano	High (3-4)
SS - Murcia - Ctra. del Palmar	High (3-4)
SS - Ontinyent	High (3-4)
SS - Oliva - Dir.Valencia	High (3-4)
SS - Oliva - Dir.Alicante	High (3-4)
SS - Palma de Mallorca - Manuel Azaña	High (3-4)
SS - Parla	High (3-4)
SS - Perales De Tajuña	High (3-4)
SS - Pinto - Eboli Dir.Arganda M506	High (3-4)
SS - Pinto - Eboli Dir.Fuenlabrada M506	High (3-4)

SS - Pulianas	High (3-4)
SS - Rojales - Ciudad Quesada	High (3-4)
SS - San Javier	High (3-4)
SS - S.S.de los Reyes-Jarama	High (3-4)
SS - Sevilla - Ctra. Amarilla	High (3-4)
SS - Sevilla - Avda.Andalucía	High (3-4)
SS - Taracena	High (3-4)
SS - Tavernes	High (3-4)
SS - Torrejón de Ardoz - Avda Constitución	High (3-4)
SS - Valdemoro - Los Olivos	High (3-4)
SS - Villargordo Cabriel - Dir.Valencia A3	High (3-4)
SS - Villargordo Cabriel - Dir.Madrid A3	High (3-4)
SS - Villalbilla	High (3-4)
SS - Yecla	High (3-4)
SS -Villarrobledo	High (3-4)
SS - Alcalá de Guadaira - Bansur	High (3-4)
SS - Pozuelo - Hipercor	High (3-4)
SS - Valdemoro - Avda. de Madrid	High (3-4)
SS - Utrera - San Juan Bosco	High (3-4)
SS - Villarejo de Salvanes	High (3-4)
SS - Mosteiros	Extremely High (4-5)
SS - Porto da Praia	Extremely High (4-5)
SS - Tarrafal	Extremely High (4-5)
SS - Porto Inglês	Extremely High (4-5)
SS - Ribeira Grande	Extremely High (4-5)
SS - Tarrafal de São Nicolau	Extremely High (4-5)
SS - Nova Sintra	Extremely High (4-5)

SS - Bantandjan

Extremely High (4-5)

SS - Gabú

Extremely High (4-5)

Physical Water Quantity Risk

In Guinea-Bissau, where 8 sites with high Overall Water Risk are located, 3 of them present Low-Medium Physical Water Quantity Risk, as water stress and water depletion are low, and seasonal variability and drought risk are medium-high to high. In the remaining 5 sites, Physical Water Quantity Risk is medium-high, as drought risk is medium-high and riverine flood risk and coastal flood risk both range from high to extremely high.

In all sites located in Portugal (19 sites) and in Spain (109 sites) with high Overall Water Risk, Physical Water Quantity Risk is extremely high, as water stress is also extremely high and water depletion is high or extremely high. Important to refer that 7 SS in Portugal, despite their location in low-medium Overall Water Risk areas, water stress is high. Also, in Spain, 64 SS are located in medium-high or low-medium Overall Water Risk areas, but water stress is high or extremely high.

There are also 2 sites, SS – Bantandjan and SS - Gabú, in Guinea-Bissau with extremely high Overall Water Risk with high Physical Water Quantity Risks, as a reflection of medium-high water stress, high seasonal variability and high riverine flood risk.

The remaining 7 sites, located in Cape Verde, which present extremely high Overall Water Risk, do not have Physical Water Quantity Risks data.

Physical Water Quality Risk

In Guinea-Bissau, regarding the sites with high Overall Water Risk, 7 of 8 present extremely high Physical Water Quality Risks as there is no to low wastewater collected and the coastal eutrophication potential is high. For the remaining one, the Physical Water Quality Risk is high as there is no to low wastewater collected, but the coastal eutrophication potential is low-medium.

In Portugal, all of the 19 sites with high Overall Water Risk present low-medium Physical Water Quality Risks, as a result of low untreated connected wastewater and high coastal eutrophication potential.

In Spain, 108 sites with high Overall Water Risk present low Physical Water Quality Risks and one presents low-medium, mainly due to low untreated connected wastewater and a coastal eutrophication potential ranging from low-medium to high.

In Cape Verde, all of the 7 sites with extremely high Overall Water Risk, also present extremely high Physical Water Quality Risks, as a result of no to low wastewater collected.

The 2 sites in Guinea-Bissau with extremely high Overall Water Risks, also present extremely high Physical Water Quality Risks, a consequence of no to low wastewater collected and a low-medium coastal eutrophication potential.

Regulatory and Reputational Risk

In Guinea-Bissau, all of the sites with high and extremely high Overall Water Risk, have an extremely high regulatory and reputational risk influenced by also extremely high indicators of unimproved/no drinking water and unimproved/no sanitation.

The Regulatory and Reputational Risk in Portugal and Spain is low, where unimproved/no drinking water and unimproved/ no sanitation indicators are low.

In Cape Verde, the Regulatory and Reputational Risk is low-medium.

4. Conclusions

Through the analysis performed to the Galp sites with the WRI Aqueduct Water Tool and taking into account what was presented throughout the document, around 1% (3) of Galp's sites had No Data for water risk analysis, which correspond to the offshore Exploration & Production sites.

Considering the remaining sites with data collected, and when looking at Overall Water Risks, it is clear that more than 67% of the sites have a medium-high risk or lower. Of the sites, around 33% are located in areas with high or extremely high Overall Water Risks. These 157 sites are storage facilities in Portugal (4), storage facilities in Cape Verde (3), Eswatini (1) and Mozambique (2), 1 biofuel unit, 1 refinery located in Sines, Portugal; the remaining sites are service stations located in Cape Verde (7), Guinea-Bissau (10), Portugal (19) and Spain (109).

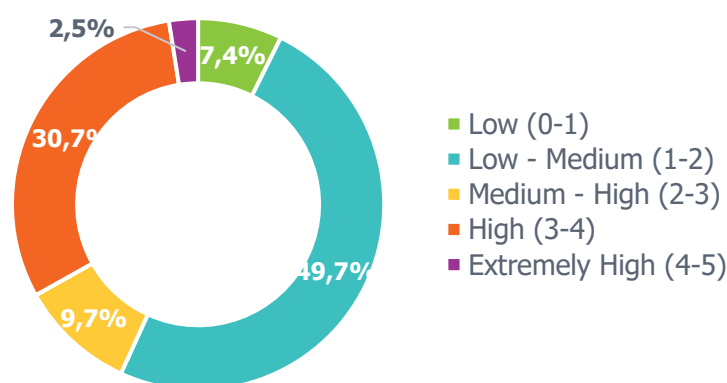


Figure 3 - Overall Water Risks distribution

Around 89% of Galp sites are located in areas with high or extremely high Physical Water Quantity Risk.

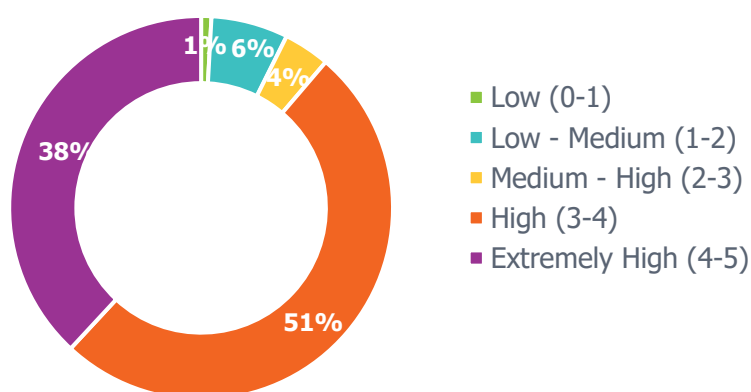


Figure 4 - Physical Water Quantity Risks distribution

Considering Water Stress Risk, 46% (211) of total operated sites are located in these areas - 13% (60) with high and 33% (151) with extremely high risk – all located in Portugal and Spain. The 13% of total sites located in high water stress areas are 1 storage facility and 59 SS in Portugal and Spain. Looking at the 33% of total sites located in extremely high water stress, there are 5 renewable plants, Enerfuel, 4 storage facilities, Sines Refinery and 140 Service Stations.

For more detailed information, please consult the full list on Annex I.

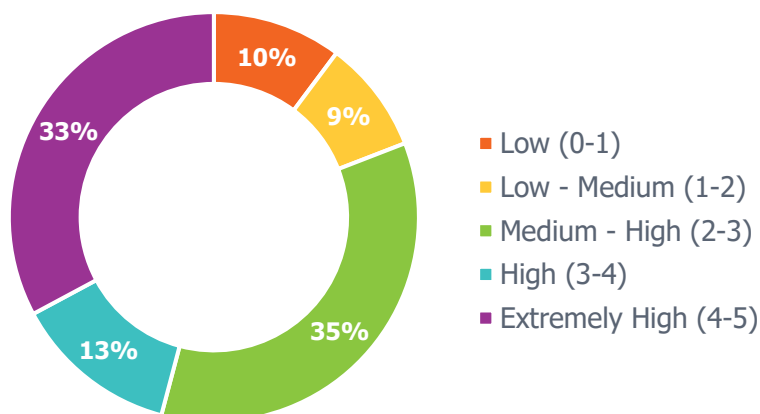


Figure 5 - Water Stress Risks distribution

To better analyse Galp's sites located in water stress areas, it is important to take into consideration the total water consumption of those sites. It is clear by looking to the graph in figure 6, that it is the Sines Refinery that has the biggest water consumption [85,83%]. Following Sines Refinery, and with a significant difference, are the 199 Commercial sites (Service Stations) located in water stress areas, representing all together 10,76% of total water consumption. SF&T – Sines Terminal & Bancas and Biofuels – Enerfuel, also located in water stress areas, represent 1,93% and 0,82%, respectively, of total water consumption in water stress areas.

The other 3 Storage, Facilities & Terminals sites, namely Mitrena, CLCM and Sigás represent, combined, less than 1% of total water consumption in water stress areas.

The 5 Renewables sites are the ones with the smaller consumption of water, representing, as well, less the 1% of total water consumption in water stress areas.

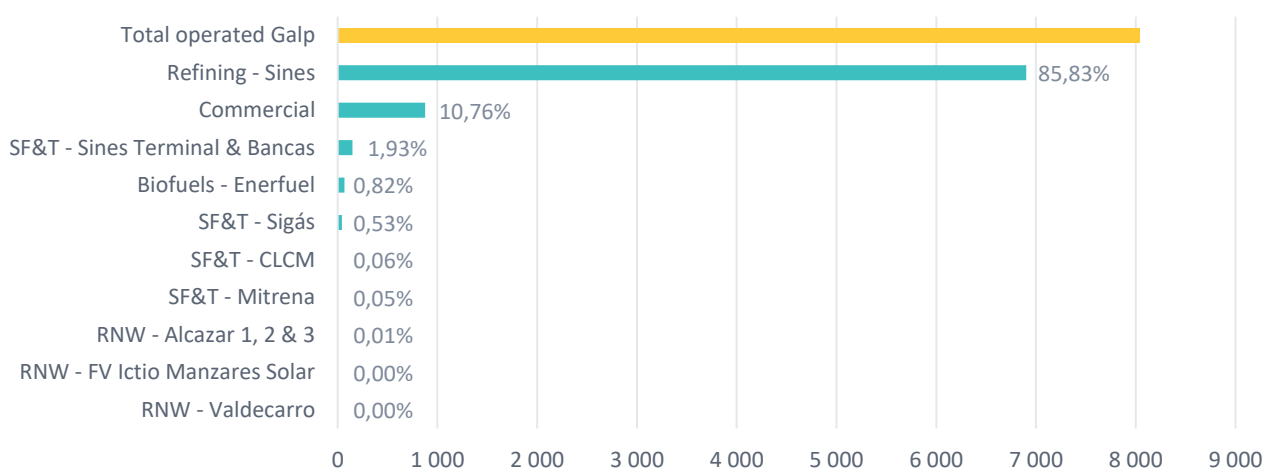


Figure 6 - Water consumption (10³m³) in Galp operated sites located in water stress areas

When looking at the Physical Water Quality Risk, the 6% of sites located in areas with high and extremely high risk, are mainly in African countries, them being Guinea-Bissau, Mozambique, Eswatini and Cape Verde. This high risk is mainly due to the extremely high values of untreated connected wastewater verified in these countries. Opposite situation is verified in Portugal and Spain, where all the 392 low risk sites are located, reflecting the high percentage of domestic wastewater that is connected through a sewerage system and treated to at least a primary treatment level.

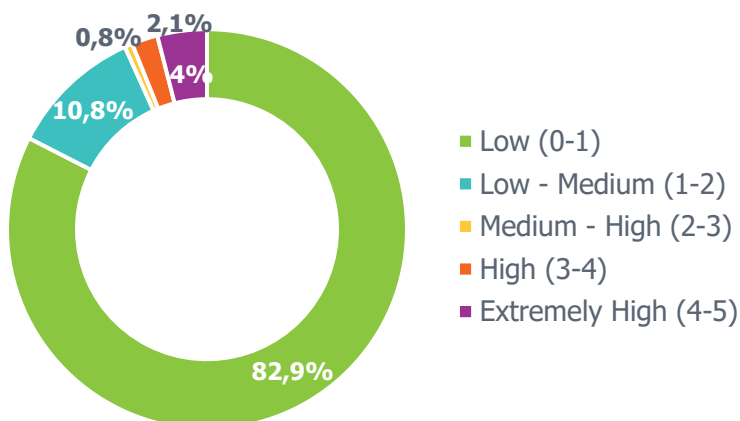


Figure 7 - Physical Water Quality Risks distribution

The sites with extremely high Regulatory and Reputational Risks also sum up 4%, with 20 sites. African countries like Guinea-Bissau, Eswatini and Mozambique and Brazil, present a low percentage of population served by safe drinking water and improved sanitation, therefore being exposed to higher Regulatory and Reputational Risk. All 440 sites with low Regulatory and Reputational Risk [93%] are located in Portugal and Spain reflecting the high percentage of population with access to safe drinking water and improved sanitation.

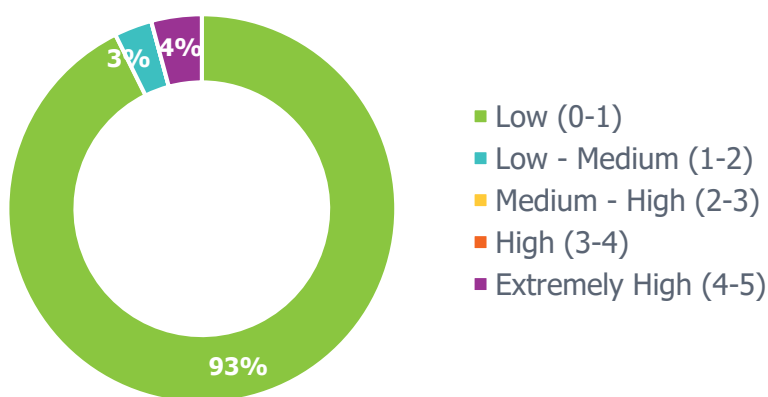


Figure 8 - Regulatory and Reputational Risks distribution

Taking all this in consideration, it can roughly be concluded that the main issue in sites located in Portugal and Spain is the higher Physical Water Quantity Risk and, in African countries and Brazil, the higher values of Physical Water Quality and Regulatory and Reputational Risks.

5. 2030 Scenarios

Two future scenarios were analysed, for 2030 timeframe, considering a Business as Usual and an Optimistic approach.

The "business as usual" scenario represents a world with stable economic development and steadily rising global carbon emissions, with CO₂ concentrations reaching ~1370 ppm by 2100 and global mean temperatures increasing by 2.6–4.8°C relative to 1986–2005 levels (WRI, 2015).

The "optimistic" scenario represents a world with stable economic development and carbon emissions peaking and declining by 2040, with emissions constrained to stabilize at ~650 ppm CO₂ and temperatures to 1.1–2.6°C by 2100 (WRI, 2015).

For each approach, four indicators were analysed for each Galp site, them being Water Stress, Seasonal Variability, Water Supply and Water Demand.

In the analysis presented below, only the sites with data [444 out of the 476] were considered. The remaining 32 sites don't have data available in the WRI Tool, and represent mainly offshore Exploration & Production sites, Cape Verde and Guinea-Bissau storage facilities, some storage facilities located in Portugal and some service stations.

Water Stress

The Water Stress indicator consists of the competition for water resources that is evaluated by the future 2030 ratio of demand for water by human society divided by available water.

This is evaluated on a scale of decrease and increase when comparing to the 2022 baseline, presented below.

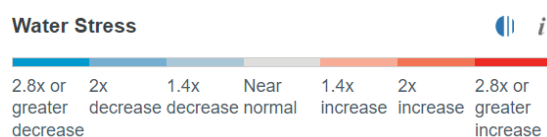


Figure 9 - Scale for water stress analysis WRI Aqueduct Tool

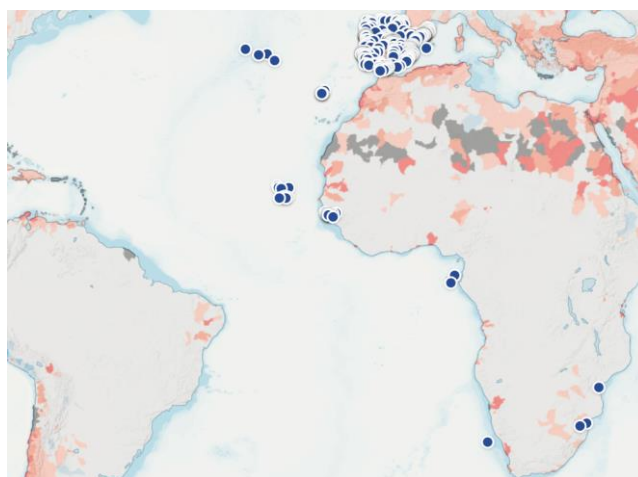


Figure 10 - Water Stress in Business as Usual scenario 2030, WRI Tool print

Business as Usual Approach

Considering the Business as Usual approach, in 2030, around 62% of the sites are located in areas where water stress will increase in 1.4x [275 sites], 2x [1 site] and 2.8x or greater [1 site]. This

represents areas where renewable plants, cogeneration units, some service stations and some storage facilities are located, mainly in Portugal and Spain. The Mozambique LPG Depot and Eswatini Fuel Depot are also located in areas where water stress will increase in 2.8x or greater and 1.4x respectively. The remaining 38% [167 sites] are located in areas where water stress is expected to remain near normal, in 2030.

Optimistic Approach

The optimistic approach on water stress reveals that 287 sites will remain near normal, in 2030, summing a total of 65%. According to the Optimistic approach, in 2030, 1 site will be located in an area where water stress is expected to increase in 2.8x or greater and 156 sites in areas with 1.4x increase in water stress.

Seasonal Variability

The Seasonal Variability (SV) is an indicator of the variability between months of the year. Increasing SV may indicate wetter wet months and drier dry months, and higher likelihood of droughts or wet periods.

This is evaluated on a scale of decrease and increase when comparing to the 2022 baseline, presented below.

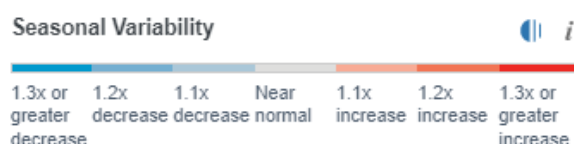


Figure 11 - Scale for seasonal variability analysis WRI Aqueduct Tool

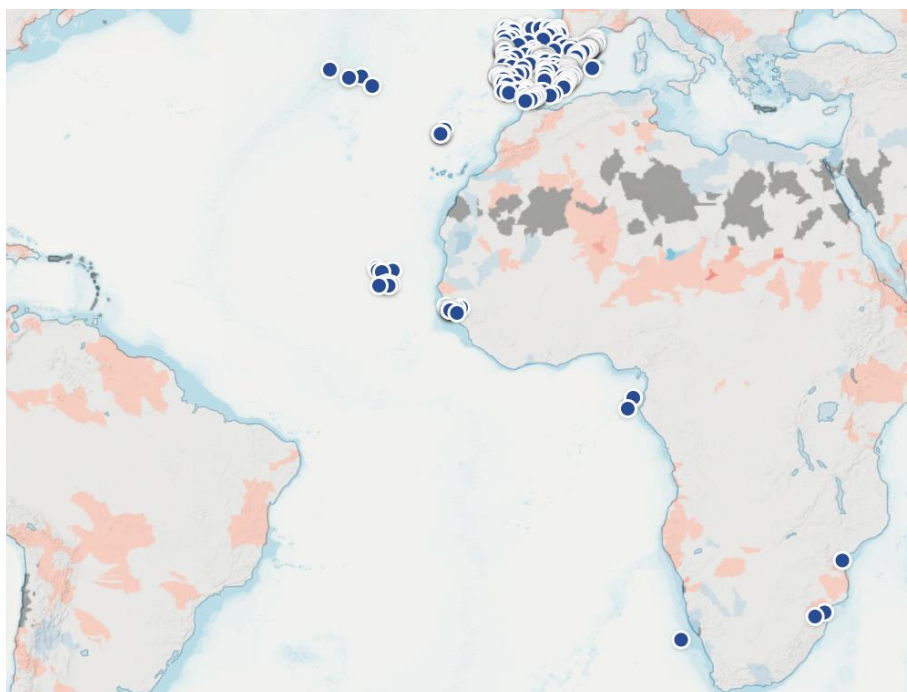


Figure 12 - Seasonal Variability in Business as Usual scenario 2030, WRI Tool print

Business as Usual Approach

Following the Business as Usual approach, in 2030, around 22% of the sites will be located in areas where seasonal variability is expected to increase in 1.1x. These 97 sites with increasing SV values

are located in Portugal, Spain and in Mozambique. There are 32 sites (7%) located in an area where a 1.1x decrease in seasonal variability is expected, it being the storage facility in the Madeira Island, Portugal and some service stations in Spain.

The remaining 315 sites, which represent 71% of the universe with data, are expected to have seasonal variability values near normal.

Optimistic Approach

According to the Optimistic approach, in 2030, more sites [54%] will be located in areas where seasonal variability is expected to increase 1.1x and 1.2x, when comparing with the Business as Usual approach. This difference is a result of the decrease of sites located in areas where SV is expected to remain near normal, from 315 to 195 sites. The increase of sites located in areas where SV is expected to increase 1.1x and 1.2x, from 97, in the Business as Usual approach, to 240, in the Optimistic approach, is related to sites located in Portugal and Spain, in the Guadiana, Ebro, Spain - Portugal, Atlantic Coast, Spain South and East Coast, France South Coast and Guadalquivir Major Basins.

Despite this increase, the Optimistic approach predicts 9 sites located in areas where SV is expected to decrease. In 2030, the storage facility in the Madeira Island, Portugal will be located in an area with 1.2x decrease, the Eswatini Fuel Depot will be located in an area with 1.1x decrease in seasonal variability of water supply and some service stations in Canary Island, Spain.

Water Supply

The water supply indicator contemplates the total of blue water (renewable surface water) available. It is evaluated on a scale of decrease and increase when comparing to the 2022 baseline, presented below.

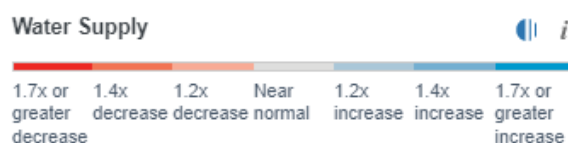


Figure 13 - Scale for water supply analysis WRI Aqueduct Tool

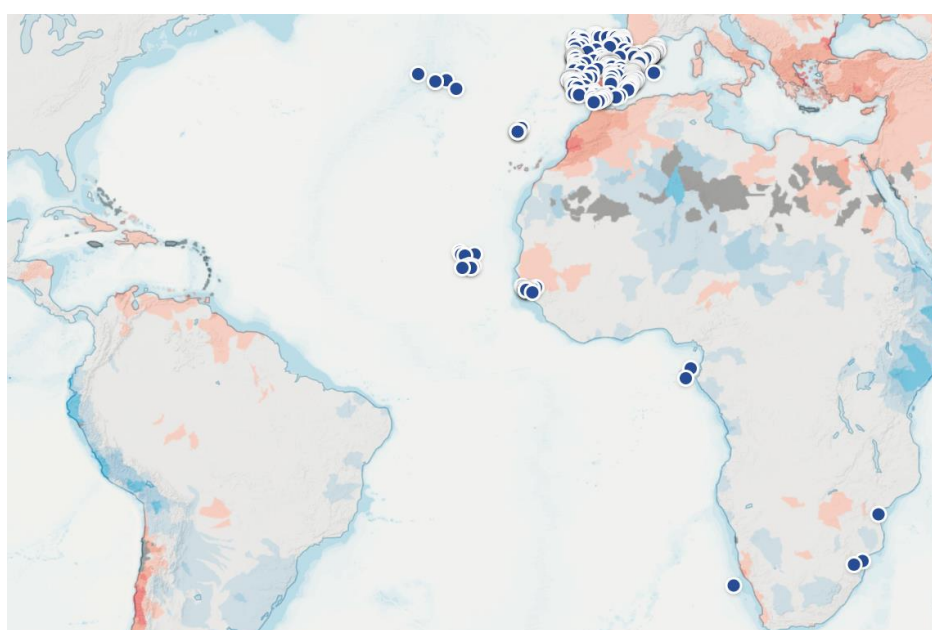


Figure 14 - Water Supply in Business as Usual scenario 2030, WRI Tool print

Business as Usual approach

Following the Business as Usual approach, in 2030, 96% of the sites will be located in areas where water supply is expected to have a 1.7x or greater decrease [23], 1.4x decrease [122 sites] and a 1.2x decrease [281]. These sites are located in Portugal, Spain and Guinea-Bissau and represent mainly renewable plants, cogeneration units, storage facilities and some service stations.

Around 4% of the sites [17] are expected to stay in areas where the water supply will remain near normal, them being Eswatini, centre Mozambique, Guinea-Bissau and Spain. The LPG Depot in Maputo, Mozambique is the only site located where water supply is expected to have a 1.2x increase.

Optimistic approach

Looking into the optimistic approach results, it is clear that, despite not having sites located in areas where water supply will increase, the distribution of sites in areas where a decrease is verified is less severe. The number of sites in areas where water supply is expected to decrease is 406. In the optimistic approach, there are no sites in areas with 1.7x or greater decrease, 55 in a 1.4x decrease area, and the 351 are in areas with a 1.2x decrease. The remaining 38 sites are located in areas where the water supply is expected to remain near normal levels.

Water Demand

Water Demand is considered as water withdrawals. This is evaluated on a scale of decrease and increase when comparing to the 2022 baseline, presented below.

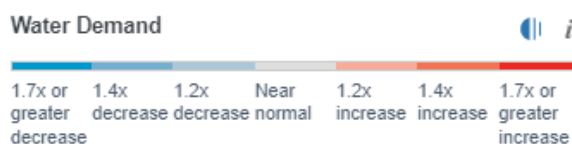


Figure 15 - Scale for water demand analysis WRI Aqueduct Tool

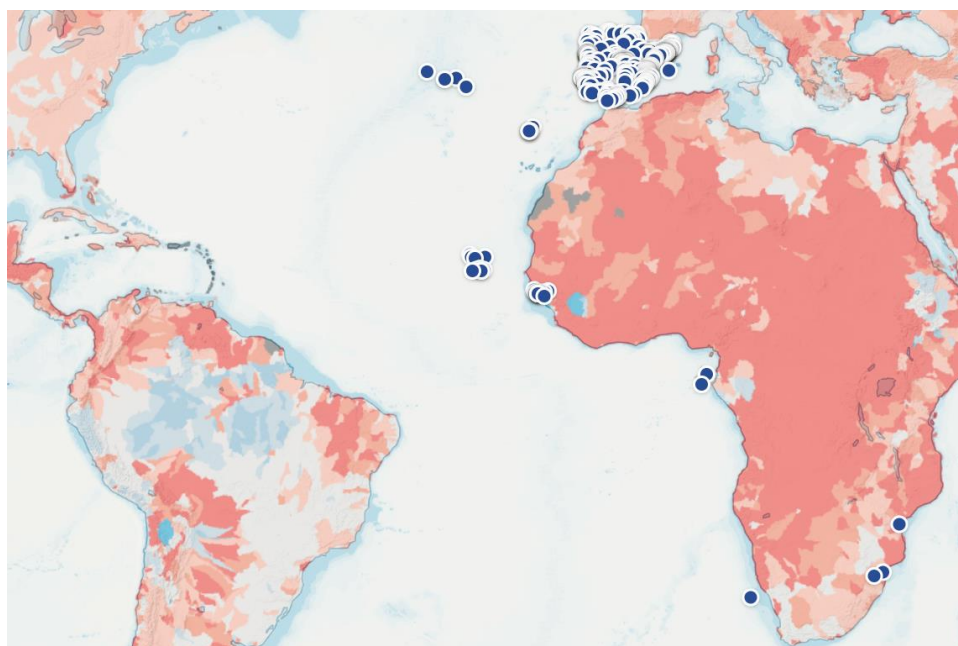


Figure 16 - Water Demand in Business as Usual scenario 2030, WRI Tool print

Business as Usual approach

According to this approach, in 2030, 6% of Galp's sites will be located in areas where water demand is expected to have a 1.2x increase [16 sites], 1.4x increase [3 sites] and 1.7x or greater increase [4 sites]. These 23 sites are mainly located in Mozambique, Eswatini, Sines province in Portugal, Guinea-Bissau and South of Spain. Around 72% of the sites, which represent a total of 321 sites, are in areas where water demand is expected to remain near normal levels. The remaining 100 sites are expected to be in areas with a 1.2x decrease in water demand, them being Storage Facilities in Madeira Island, Porto (Portugal), Asturias province (northern Spain) and some service stations in Canary Islands (Spain) and Portugal.

Optimistic approach

Considering an optimistic approach, less sites [18] in 2030 will be located in areas where water demand will increase, with a less severe distribution in areas with 1.2x increase [13 sites], 1.4x increase [1 site] and 1.7x or greater increase [4 sites]. The sites where water demand is expected to decrease are the same as the Business as Usual approach and, the remaining 326 sites [73%] are located in areas where water demand is expected to remain near normal levels.

Glossary

Business as usual scenario: The "business as usual" scenario (SSP2 RCP8.5) represents a world with stable economic development and steadily rising global carbon emissions, with CO₂ concentrations reaching ~1370 ppm by 2100 and global mean temperatures increasing by 2.6–4.8°C relative to 1986–2005 levels.

Coastal Eutrophication Potential: Coastal eutrophication potential (CEP) measures the potential for riverine loadings of nitrogen (N), phosphorus (P), and silica (Si) to stimulate harmful algal blooms in coastal waters. The CEP indicator is a useful metric to map where anthropogenic activities produce enough point-source and nonpoint-source pollution to potentially degrade the environment. When N and P are discharged in excess over Si with respect to diatoms, a major type of algae, undesirable algal species often develop. The stimulation of algae leading to large blooms may in turn result in eutrophication and hypoxia (excessive biological growth and decomposition that reduces oxygen available to other organisms). It is therefore possible to assess the potential for coastal eutrophication from a river's N, P, and Si loading. Higher values indicate higher levels of excess nutrients with respect to silica, creating more favourable conditions for harmful algal growth and eutrophication in coastal waters downstream.

Coastal flood Risk: Coastal flood risk measures the percentage of the population expected to be affected by coastal flooding in an average year, accounting for existing flood protection standards. Flood risk is assessed using hazard (inundation caused by storm surge), exposure (population in flood zone), and vulnerability.¹⁷ The existing level of flood protection is also incorporated into the risk calculation. It is important to note that this indicator represents flood risk not in terms of maximum possible impact but rather as average annual impact. The impacts from infrequent, extreme flood years are averaged with more common, less newsworthy flood years to produce the "expected annual affected population." Higher values indicate that a greater proportion of the population is expected to be impacted by coastal floods on average.

Drought Risk: Drought risk measures where droughts are likely to occur, the population and assets exposed, and the vulnerability of the population and assets to adverse effects. Higher values indicate higher risk of drought.

Groundwater Table Decline: Groundwater table decline measures the average decline of the groundwater table as the average change for the period of study (1990–2014). The result is expressed in centimetres per year (cm/yr). Higher values indicate higher levels of unsustainable groundwater withdrawals.

Interannual Variability: Interannual variability measures the average between year variability of available water supply, including both renewable surface and groundwater supplies. Higher values indicate wider variations in available supply from year to year.

Optimistic scenario: The "optimistic" scenario (SSP2 RCP4.5) represents a world with stable economic development and carbon emissions peaking and declining by 2040, with emissions constrained to stabilize at ~650 ppm CO₂ and temperatures to 1.1–2.6°C by 2100.

Overall Water Risk: Overall water risk measures all water-related risks, by aggregating all selected indicators from the Physical Quantity, Quality and Regulatory & Reputational Risk categories. Higher values indicate higher water risk.

Peak RepRisk Country ESG Risk Index: The Peak RepRisk country ESG risk index quantifies business conduct risk exposure related to environmental, social, and governance (ESG) issues in the corresponding country. The index provides insights into potential financial, reputational, and compliance risks, such as human rights violations and environmental destruction. RepRisk is a leading business intelligence provider that specializes in ESG and business conduct risk research for companies, projects, sectors, countries, ESG issues, NGOs, and more, by leveraging artificial intelligence and human analysis in 20 languages. WRI has elected to include the Peak RepRisk country ESG risk index in Aqueduct to reflect the broader regulatory and reputational risks that may threaten water quantity, quality, and access. While the underlying algorithm is proprietary, we believe that our inclusion of the Peak RepRisk country ESG risk index, normally unavailable to the public, is a value-add to the Aqueduct community. The peak value equals the highest level of the index in a give

Physical Water Quality Risk: Physical risks quality measures risk related to water that is unfit for use, by aggregating all selected indicators from the Physical Risk Quality category. Higher values indicate higher water quality risks.

Physical Water Quantity Risks: Physical risks quantity measures risk related to too little or too much water, by aggregating all selected indicators from the Physical Risk Quantity category. Higher values indicate higher water quantity risks.

Regulatory and Reputational Risk: Regulatory and reputational risks measures risk related to uncertainty in regulatory change, as well as conflicts with the public regarding water issues. Higher values indicate higher regulatory and reputational water risks.

Riverine flood Risk: Riverine flood risk measures the percentage of population expected to be affected by Riverine flooding in an average year, accounting for existing flood-protection standards. Flood risk is assessed using hazard (inundation caused by river overflow), exposure (population in flood zone), and vulnerability.¹⁶ The existing level of flood protection is also incorporated into the risk calculation. It is important to note that this indicator represents flood risk not in terms of maximum possible impact but rather as average annual impact. The impacts from infrequent, extreme flood years are averaged with more common, less newsworthy flood years to produce the "expected annual affected population." Higher values indicate that a greater proportion of the population is expected to be impacted by Riverine floods on average.

Seasonal Variability (Baseline): Seasonal variability measures the average within-year variability of available water supply, including both renewable surface and groundwater supplies. Higher values indicate wider variations of available supply within a year.

Seasonal Variability: Seasonal variability (SV) is an indicator of the variability between months of the year. Increasing SV may indicate wetter wet months and drier dry months, and higher likelihood of droughts or wet periods. We used the within-year coefficient of variance between monthly total blue water as our indicator of seasonal variability of water supply. We calculated the coefficient of variance between months for each year, then estimated projected change in seasonal variability as the 21-year mean around the target year over the baseline period mean.

Unimproved/ no drinking water: Unimproved/no drinking water reflects the percentage of the population collecting drinking water from an unprotected dug well or spring, or directly from a river, dam, lake, pond, stream, canal, or irrigation canal (WHO and UNICEF 2017). Specifically, the indicator aligns with the unimproved and surface water categories of the Joint Monitoring Programme (JMP)—

the lowest tiers of drinking water services. Higher values indicate areas where people have less access to safe drinking water supplies.

Unimproved/ no sanitation: Unimproved/no sanitation reflects the percentage of the population using pit latrines without a slab or platform, hanging/bucket latrines, or directly disposing human waste in fields, forests, bushes, open bodies of water, beaches, other open spaces, or with solid waste (WHO and UNICEF 2017). Specifically, the indicator aligns with JMP's unimproved and open defecation categories—the lowest tier of sanitation services. Higher values indicate areas where people have less access to improved sanitation services.

Untreated Connected Wastewater: Untreated connected wastewater measures the percentage of domestic wastewater that is connected through a sewerage system and not treated to at least a primary treatment level. Wastewater discharge without adequate treatment could expose water bodies, the general public, and ecosystems to pollutants such as pathogens and nutrients. The indicator compounds two crucial elements of wastewater management: connection and treatment. Low connection rates reflect households' lack of access to public sewerage systems; the absence of at least primary treatment reflects a country's lack of capacity (infrastructure, institutional knowledge) to treat wastewater. Together these factors can indicate the level of a country's current capacity to manage its domestic wastewater through two main pathways: extremely low connection rates (below 1 percent), and high connection rates with little treatment. Higher values indicate higher percentages of point source wastewater discharged without treatment.

Water Demand: Water demand was measured as water withdrawals. Projected change in water withdrawals is equal to the summarized withdrawals for the target year, divided by the baseline year, 2010. Since irrigation consumptive use varies based on climate, we generated unique estimates of consumptive and non-consumptive agricultural withdrawal for each year. Estimates for consumptive and non-consumptive agricultural withdrawal for each ensemble member, scenario, and target year are the mean of the 21-year window around the target year.

Water Depletion: Baseline water depletion measures the ratio of total water consumption to available renewable water supplies. Total water consumption includes domestic, industrial, irrigation, and livestock consumptive uses. Available renewable water supplies include the impact of upstream consumptive water users and large dams on downstream water availability. Higher values indicate larger impact on the local water supply and decreased water availability for downstream users. Baseline water depletion is similar to baseline water stress; however, instead of looking at total water withdrawal (consumptive plus non-consumptive), baseline water depletion is calculated using consumptive withdrawal only.

Water Stress (Baseline): Baseline water stress measures the ratio of total water withdrawals to available renewable surface and groundwater supplies. Water withdrawals include domestic, industrial, irrigation, and livestock consumptive and non-consumptive uses. Available renewable water supplies include the impact of upstream consumptive water users and large dams on downstream water availability. Higher values indicate more competition among users.

Water Stress: Water stress is an indicator of competition for water resources and is defined informally as the ratio of demand for water by human society divided by available water.

Water Supply: Total blue water (renewable surface water) was our indicator of water supply. Projected change in total blue water is equal to the 21-year mean around the target year divided by the baseline period of 1950–2010.

ANNEX I – OPERATED SITES LOCATED IN WATER STRESS AREAS

Name	Country	Water Stress
Storage Facilities (SF) & Terminals		
SF&T - CLCM	Portugal	High (40-80%)
SF&T - Bancas de Sines	Portugal	Extremely High (>80%)
SF&T - Mitrena	Portugal	Extremely High (>80%)
SF&T - Sigás	Portugal	Extremely High (>80%)
SF&T - Sines Terminal	Portugal	Extremely High (>80%)
Renewable Energy Sources		
RNW - Valdecarro	Spain	Extremely High (>80%)
RNW - Alcazar 1	Spain	Extremely High (>80%)
RNW - Alcazar 2	Spain	Extremely High (>80%)
RNW - Alcazar 3	Spain	Extremely High (>80%)
RNW - FV Ictio Manzanares Solar	Spain	Extremely High (>80%)
Bioufuel Unit		
Biofuels - Enerfuel (2nd Generation biofuel plant)	Portugal	Extremely High (>80%)
Refining		
Refining - Sines	Portugal	Extremely High (>80%)
Commercial B2C		
SS - Av. do Infante	Portugal	High (40-80%)
SS - Caniçal	Portugal	High (40-80%)
SS - Cancela	Portugal	High (40-80%)
SS - Santo António	Portugal	High (40-80%)
SS - Ribeira João Gomes	Portugal	High (40-80%)
SS - Ribeira S. João	Portugal	High (40-80%)
SS - Évora	Portugal	Extremely High (>80%)

SS - Sines	Portugal	Extremely High (>80%)
SS - Vilamoura Norte	Portugal	Extremely High (>80%)
SS - Porto Santo	Portugal	High (40-80%)
SS - Montemor Norte	Portugal	Extremely High (>80%)
SS - Montemor Sul	Portugal	Extremely High (>80%)
SS - Alcochete (N/S)	Portugal	Extremely High (>80%)
SS - Loulé (Loulé/Faro)	Portugal	Extremely High (>80%)
SS - Aljustrel (N/S)	Portugal	Extremely High (>80%)
SS - Palmela (Set/Lis)	Portugal	Extremely High (>80%)
SS - Alcácer (S/N)	Portugal	Extremely High (>80%)
SS - Montijo N/S	Portugal	Extremely High (>80%)
SS - Montijo S/N	Portugal	Extremely High (>80%)
SS - Lagos (Faro/Lagos)	Portugal	Extremely High (>80%)
SS - Alcochete (S/N)	Portugal	Extremely High (>80%)
SS - Lagos (Lagos/Faro)	Portugal	Extremely High (>80%)
SS - Alcácer (N/S)	Portugal	Extremely High (>80%)
SS - Loulé (Faro/Loulé)	Portugal	Extremely High (>80%)
SS - Aljustrel (S/N)	Portugal	Extremely High (>80%)
SS - Palmela (Lis/Set)	Portugal	Extremely High (>80%)
SS - Paracuellos del Jarama	Spain	Extremely High (>80%)
SS - Ronda - Málaga	Spain	Extremely High (>80%)
SS - San Antonio Dir. Alicante	Spain	Extremely High (>80%)
SS - San Antonio Dir. Tarragona	Spain	Extremely High (>80%)
SS - Leganés - San José de Valderas	Spain	Extremely High (>80%)
SS - Los Palacios	Spain	Extremely High (>80%)
SS - Madrid - Villaverde Tobarina	Spain	Extremely High (>80%)
SS - Palazuelos	Spain	Extremely High (>80%)

SS - Avila - Rio Adaja	Spain	Extremely High (>80%)
SS - Villacastin - Dir. Coruña	Spain	Extremely High (>80%)
SS - Villacastin - Dir. Madrid	Spain	Extremely High (>80%)
SS - Agost - AP7 Dir.Murcia	Spain	Extremely High (>80%)
SS - Alcalá Henares - A2 Dir.Barcelona	Spain	Extremely High (>80%)
SS - Alcalá Henares - A2 Dir.Madrid	Spain	Extremely High (>80%)
SS - Agost - AP7 Dir.Valencia	Spain	Extremely High (>80%)
SS - Alcobendas - Antigua N1	Spain	Extremely High (>80%)
SS - Alcobendas - Av.Marq.Valdavia	Spain	Extremely High (>80%)
SS - Alcalá Henares - C/Villamalea	Spain	Extremely High (>80%)
SS - Alcalá Henares - Puerta de Madrid	Spain	Extremely High (>80%)
SS - Alcalá Henares - Via Complutense	Spain	Extremely High (>80%)
SS - Alcoy - C/Alicante	Spain	Extremely High (>80%)
SS - Almeria - Retamar	Spain	Extremely High (>80%)
SS - Alfaz del Pí	Spain	Extremely High (>80%)
SS - Algezares	Spain	Extremely High (>80%)
SS - Antequera	Spain	Extremely High (>80%)
SS - Arcos de Jalon	Spain	Extremely High (>80%)
SS - Aspe – Avda. Orihuela	Spain	Extremely High (>80%)
SS - Badajoz - Ctra. Cáceres	Spain	High (40-80%)
SS - Aznalfarache	Spain	Extremely High (>80%)
SS - Barcelona - Almogávares	Spain	High (40-80%)
SS - Barajas - Aeropuerto	Spain	Extremely High (>80%)
SS - Badajoz - Av. Portugal	Spain	High (40-80%)
SS - Barcelona - Paralelo	Spain	High (40-80%)
SS - Barcelona - Maragall	Spain	High (40-80%)
SS - Barcelona - Calle Y	Spain	High (40-80%)

SS - Barcelona - Horta	Spain	High (40-80%)
SS - Barcelona - Valle Hebron	Spain	High (40-80%)
SS - Barcelona - Pujades	Spain	High (40-80%)
SS - Benalmádena - Carvajal	Spain	Extremely High (>80%)
SS - Barcelona - Z.Franca-Puerto	Spain	High (40-80%)
SS - Benalmadena - Av.Arroyo Hondo	Spain	Extremely High (>80%)
SS - Bellreguard	Spain	Extremely High (>80%)
SS - Benidorm - Dir.Valencia N332	Spain	Extremely High (>80%)
SS - Benidorm - Dir.Alicante N332	Spain	Extremely High (>80%)
SS - Boadilla - Dir. Boadilla Ctra 513	Spain	High (40-80%)
SS - Boadilla - Ventura Rodriguez	Spain	High (40-80%)
SS - Boadilla - Dir. Brunete Ctra 513	Spain	High (40-80%)
SS - Calonge	Spain	High (40-80%)
SS - Carranque	Spain	High (40-80%)
SS - Cobefña	Spain	Extremely High (>80%)
SS - Cartagena - Unión	Spain	Extremely High (>80%)
SS - Castillo de Garcimuñoz	Spain	Extremely High (>80%)
SS - Ciempozuelos	Spain	Extremely High (>80%)
SS - Cocentaina - Dir.Alicante N340	Spain	Extremely High (>80%)
SS - Cocentaina - Dir.Valencia N340	Spain	Extremely High (>80%)
SS - Collado Villalba - Carrefour	Spain	High (40-80%)
SS - Colmenar Viejo - La Mina	Spain	Extremely High (>80%)
SS - Cullera - Dir.Valencia N332	Spain	Extremely High (>80%)
SS - Coslada - Av.Jarama	Spain	Extremely High (>80%)
SS - Cuenca Centro Comercial	Spain	Extremely High (>80%)
SS - Cuenca Ronda	Spain	Extremely High (>80%)
SS - El Escorial	Spain	High (40-80%)

SS - Cullera - Dir.Alicante N332	Spain	Extremely High (>80%)
SS - El Ejido - Ctra Malaga 492	Spain	Extremely High (>80%)
SS - Elche - A7Dir. Murcia	Spain	Extremely High (>80%)
SS - Elche - A7Dir. Alicante	Spain	Extremely High (>80%)
SS - Denia	Spain	Extremely High (>80%)
SS - Fontellas - Dir.Tudela N232	Spain	High (40-80%)
SS - El Espinar - San Rafael	Spain	Extremely High (>80%)
SS - Estepona	Spain	Extremely High (>80%)
SS - Elche - Av. Libertad	Spain	Extremely High (>80%)
SS - Fontellas - Dir.Zaragoza N232	Spain	High (40-80%)
SS - Fuenlabrada - Luis Sauquillo	Spain	Extremely High (>80%)
SS - Fuengirola	Spain	Extremely High (>80%)
SS - Fuengirola - Ctra. Mijas	Spain	Extremely High (>80%)
SS - Fuenlabrada - Av.Hispanidad	Spain	Extremely High (>80%)
SS - Granollers - Palou	Spain	High (40-80%)
SS - Getafe	Spain	Extremely High (>80%)
SS - Huelva-Gon	Spain	Extremely High (>80%)
SS - Granja de Rocamora - Costa Blanca	Spain	Extremely High (>80%)
SS - Jerez - Area Sur	Spain	Extremely High (>80%)
SS - Granollers - Camp	Spain	High (40-80%)
SS - Huétor Tajar A-92	Spain	Extremely High (>80%)
SS - Jerez - A-381	Spain	Extremely High (>80%)
SS - La Garriga	Spain	High (40-80%)
SS - La Carolina	Spain	Extremely High (>80%)
SS - Las Franquesas del Vallés	Spain	High (40-80%)
SS - La Nucía	Spain	Extremely High (>80%)
SS - Las Rozas	Spain	Extremely High (>80%)

SS - Madrid - Avda. Arcentales	Spain	Extremely High (>80%)
SS - Madrid - Argentina	Spain	Extremely High (>80%)
SS - Loeches	Spain	Extremely High (>80%)
SS - Madrid - Sanchinarro	Spain	Extremely High (>80%)
SS - Madrid - Sinesio Delgado	Spain	Extremely High (>80%)
SS - Madrid - Ctra Ajalvir-Vicálvaro	Spain	Extremely High (>80%)
SS - Madrid - C/Bravo Murillo	Spain	Extremely High (>80%)
SS - Marbella - Ricardo Soriano	Spain	Extremely High (>80%)
SS - Madrid - Vallecas	Spain	Extremely High (>80%)
SS - Málaga - El Viso	Spain	Extremely High (>80%)
SS - Majadahonda	Spain	High (40-80%)
SS - Marbella - Rodeito	Spain	Extremely High (>80%)
SS - Málaga - El Limonar	Spain	Extremely High (>80%)
SS - Málaga - Santa Barbara	Spain	Extremely High (>80%)
SS - Mataró - Via Sergia	Spain	High (40-80%)
SS - Manilva	Spain	Extremely High (>80%)
SS - Mazagon	Spain	Extremely High (>80%)
SS - Martin Muñoz de la Dehesa-Arevalo	Spain	Extremely High (>80%)
SS - Montseny Norte	Spain	High (40-80%)
SS - Mazarrón - Camposol	Spain	Extremely High (>80%)
SS - Gandia	Spain	Extremely High (>80%)
SS - Alcoy - Ctra.Jijona	Spain	Extremely High (>80%)
SS - Mejorada del Campo	Spain	Extremely High (>80%)
SS - Barbate	Spain	Extremely High (>80%)
SS - Miranda de Ebro	Spain	High (40-80%)
SS - Maresme Sur	Spain	High (40-80%)
SS - Lleida	Spain	High (40-80%)

SS - Bollullos	Spain	Extremely High (>80%)
SS - Montseny Sur	Spain	High (40-80%)
SS - Medina Del Campo	Spain	High (40-80%)
SS - Benavente	Spain	High (40-80%)
SS - Montellano	Spain	Extremely High (>80%)
SS - Móstoles	Spain	High (40-80%)
SS - Murcia - Ctra. del Palmar	Spain	Extremely High (>80%)
SS - Ontinyent	Spain	Extremely High (>80%)
SS - Oliva - Dir.Valencia	Spain	Extremely High (>80%)
SS - Palamós	Spain	High (40-80%)
SS - Oliva - Dir.Alicante	Spain	Extremely High (>80%)
SS - Palma de Mallorca - Manuel Azaña	Spain	Extremely High (>80%)
SS - Parla	Spain	Extremely High (>80%)
SS - Perales De Tajuña	Spain	Extremely High (>80%)
SS - Pinto - Eboli Dir.Arganda M506	Spain	Extremely High (>80%)
SS - Poble Nou	Spain	High (40-80%)
SS - Pinto - Eboli Dir.Fuenlabrada M506	Spain	Extremely High (>80%)
SS - Puerto Lápice - Dir.Madrid A4	Spain	Extremely High (>80%)
SS - Puerto Lápice - Dir.Cadiz A4	Spain	Extremely High (>80%)
SS - Pulianas	Spain	Extremely High (>80%)
SS - Ripollet - Polig. La Siberia	Spain	High (40-80%)
SS - Ripollet - C/Tarragona	Spain	High (40-80%)
SS - Rojales - Ciudad Quesada	Spain	Extremely High (>80%)
SS - Sant Adrià de Besòs - Sot	Spain	High (40-80%)
SS - San Javier	Spain	Extremely High (>80%)
SS - S.S.de los Reyes-Jarama	Spain	Extremely High (>80%)
SS - Sabadell - Gran Via	Spain	High (40-80%)

SS - Sant Pol de Mar	Spain	High (40-80%)
SS - Sant Adrià de Besòs-C/Guipuzcoa	Spain	High (40-80%)
SS - Sarracín - Dir.Burgos N-I	Spain	High (40-80%)
SS - Sarracín - Dir.Madrid N-I	Spain	High (40-80%)
SS - Santa Susanna	Spain	High (40-80%)
SS - Sevilla - Ctra. Amarilla	Spain	Extremely High (>80%)
SS - Sevilla La Nueva - D.El Escorial	Spain	High (40-80%)
SS - Sevilla - Avda.Andalucía	Spain	Extremely High (>80%)
SS - Sevilla La Nueva - D.Navalcarnero	Spain	High (40-80%)
SS - Taracena	Spain	Extremely High (>80%)
SS - Tembleque	Spain	High (40-80%)
SS - Tavernes	Spain	Extremely High (>80%)
SS - Torrejón de Ardoz - Avda Constitución	Spain	Extremely High (>80%)
SS - Valdemoro - Los Olivos	Spain	Extremely High (>80%)
SS - Valdepeñas	Spain	Extremely High (>80%)
SS - Vidreres C-35 Dir. Granollers	Spain	High (40-80%)
SS - Villargordo Cabriel - Dir.Valencia A3	Spain	Extremely High (>80%)
SS - Villanueva de Perales D.Madrid	Spain	High (40-80%)
SS - Villargordo Cabriel - Dir.Madrid A3	Spain	Extremely High (>80%)
SS - Villalbilla	Spain	Extremely High (>80%)
SS - Villatoro	Spain	High (40-80%)
SS - Villanueva de Perales D.Navas Rey	Spain	High (40-80%)
SS - Yecla	Spain	Extremely High (>80%)
SS - Vitoria - Armentia	Spain	High (40-80%)
SS -Villarrobledo	Spain	Extremely High (>80%)
SS - Alcalá de Guadaira - Bansur	Spain	Extremely High (>80%)
SS - Pozuelo - Hiperpor	Spain	Extremely High (>80%)



SS - Valdemoro - Avda. de Madrid	Spain	Extremely High (>80%)
SS - Utrera - San Juan Bosco	Spain	Extremely High (>80%)
SS - Villarejo de Salvanes	Spain	Extremely High (>80%)

Annex II – Galp sites' coordinates

Table 8 - Galp sites' coordinates (latitude and longitude)

Name	Latitude	Longitude	Country
Biofuel unit			
Biofuels - Enerfuel (2nd Generation biofuel plant)	37.995	-8.825	Portugal
Cogeneration units			
Cogeneration Unit - Agroger	39.138	-9.276	Portugal
Cogeneration Unit - Carriço	40.015	-8.815	Portugal
Exploration & Production			
EP - Pel 83	-29	14	Namibia
EP - Bloco 12	-0.645	7.292	S. Tome and Principe
EP - Bloco 6	0.633	7.922	S. Tome and Principe
Refining			
Refining - Sines	37.965	-8.8	Portugal
Renewable Energy Sources			
RNW - El Robledo	41.264733	-0.171314	Spain
RNW - Emocion	41.237825	-0.285342	Spain
RNW - Envitero	41.25965	-0.285225	Spain
RNW - Escatron Dos	41.242308	-0.271017	Spain
RNW - Esplendor	41.196558	-0.341019	Spain
RNW - Hazana	41.212869	-0.336686	Spain
RNW - Ignis Uno	41.230325	-0.252936	Spain
RNW - Mediomonte	41.223608	-0.263125	Spain
RNW - Mocatero	41.243278	-0.252383	Spain
RNW - Palabra	41.227089	-0.233647	Spain
RNW - Ribagrande	41.257397	-0.172811	Spain
RNW - Talento	41.205106	-0.345017	Spain
RNW - Valdelagua	41.252172	-0.154017	Spain
RNW - Parque Eólico de Vale Grande	40.188917	-7.9129	Portugal
RNW - Logro	41.239236	-0.165983	Spain
RNW - Alcazar 1	39.186849	-3.327846	Spain
RNW - Alcazar 2	39.18685	-3.327847	Spain
RNW - Alcazar 3	39.348903	-3.30864	Spain
RNW - FV Ictio Manzanares Solar	39.096606	-3.298119	Spain
RNW - Valdecarro	39.186848	-3.327845	Spain
Storage Facilities & Terminals			
SF&T - CLCM	32.743	-16.727	Portugal
SF&T - Flores CL	39.378	-31.171	Portugal
SF&T - Gijon	43.551	-5.692	Spain

Name	Latitude	Longitude	Country
SF&T - Horta GPL	38.542	-28.629	Portugal
SF&T - Leixões Terminal	41.187	-8.707	Portugal
SF&T - Nordela LPG	37.736	-25.693	Portugal
SF&T - Praia da Vitória	38.705	-27.049	Portugal
SF&T - Valência	39.447	-0.303	Spain
SF&T - Viana do Castelo Terminal	41.686	-8.828	Portugal
SF&T - Matosinhos	41.21	-8.71	Portugal
SF&T - CLC	11.839	-15.591	Guinea-Bissau
SF&T - LPG Petrogás	11.84	-15.59	Guinea-Bissau
SF&T - Bolola	11.861	-15.575	Guinea-Bissau
SF&T - Matsapha Fuel	-26.502	31.307	Eswatini
SF&T - Beira	-19.805	34.843	Mozambique
SF&T - LPG Matola (Maputo)	-25.952	32.488	Mozambique
SF&T - Bancas de Sines	37.956	-8.885	Portugal
SF&T - Mitrena	38.479	-8.808	Portugal
SF&T - Sigás	37.965	-8.873	Portugal
SF&T - Sines Terminal	37.954	-8.881	Portugal
SF&T - S.Vicente	16.882	-24.99	Cape Verde
SF&T - Sal	16.756	-22.976	Cape Verde
SF&T - Santiago	14.913	-23.496	Cape Verde
SF&T - Horta CL	38.527	-28.623	Portugal
Commercial B2C			
SS - Mosteiros	15.0379811	-24.3313356	Cape Verde
SS - Porto da Praia	14.9142347	-23.5021213	Cape Verde
SS - Tarrafal	15.2583081	-23.7400469	Cape Verde
SS - Porto Inglês	15.1429853	-23.2130876	Cape Verde
SS - Ribeira Grande	17.1812234	-25.0641743	Cape Verde
SS - Tarrafal de São Nicolau	16.563667	-24.3549976	Cape Verde
SS - Nova Sintra	14.8706117	-24.6986713	Cape Verde
SS - Safim	11.9475	-15.6480555	Guinea-Bissau
SS - Cachungo	12.0719444	-16.0291666	Guinea-Bissau
SS - Bantandjan	12.0505555	-14.8430555	Guinea-Bissau
SS - Jugudul	12.0458333	-15.3308333	Guinea-Bissau
SS - São Domingos	12.41138888	-16.1847222	Guinea-Bissau
SS - Mampatá	11.540833	-14.81194444	Guinea-Bissau
SS - Gabú	12.286111	-14.2441666	Guinea-Bissau
SS - Pindjiguiti	11.8597222	-15.58055	Guinea-Bissau
SS - Háfia	11.8788888	-15.6377777	Guinea-Bissau
SS - Avenida	11.8580555	-15.58	Guinea-Bissau
SS - Luanda	11.8752777	-15.594166	Guinea-Bissau
SS - Quelelé	11.8502777	-15.62222	Guinea-Bissau

Name	Latitude	Longitude	Country
SS - Gare Oriente	38,767862	-9,099144	Portugal
SS - Av. do Infante	32.6449300839927	-16.9181913497092	Portugal
SS - Caniçal	32.742842384221	-16.7359324898745	Portugal
SS - Cancela	32.6481919271807	-16.8590574249174	Portugal
SS - Santo António	32.6719320686219	-16.9356340160538	Portugal
SS - Ribeira João Gomes	32.6558367705231	-16.9007033208702	Portugal
SS - Bragança Alto das Cantarias	41.78667	-6.77454	Portugal
SS - Ribeira S. João	32.6501646748726	-16.9191383461684	Portugal
SS - Olivais	38.76306	-9.10889	Portugal
SS - Évora	38.5675	-7.91473	Portugal
SS - Rechousa	41.09501	-8.59862	Portugal
SS - Circunvalação (Caolinos)	41.18372	-8.64016	Portugal
SS - A.Santas (P/A)	41.20079199	-8.56841999	Portugal
SS - Oeiras(Lis/Casc)	38.71501	-9.28445	Portugal
SS - Trofa (Por/Bra)	41.263373	-8.563221999	Portugal
SS - Pombal (S/N)	40.0120999	-8.59957999	Portugal
SS - Ceide (F/G)	41.3892	-8.47978999	Portugal
SS - Sines	37.959372	-8.859142	Portugal
SS - Padre Cruz	38.76556	-9.16556	Portugal
SS - Trofa (Bra/Por)	41.264493	-8.564564999	Portugal
SS - D.Pacheco	38.72304599	-9.167977	Portugal
SS - Ceide (G/F)	41.390335	-8.481916999	Portugal
SS - Vilamoura Norte	37.08237	-8.117959	Portugal
SS - A.Santas (A/P)	41.200023	-8.566067999	Portugal
SS - Oeiras(Casc/Lis)	38.71334	-9.28584	Portugal
SS - Pombal (N/S)	40.0148	-8.6005599	Portugal
SS - Linda-a-Velha	38.71618	-9.240045	Portugal
SS - Valongo	41.18286	-8.473586	Portugal
SS - Celorico da Beira (GD/V)	40.630131	-7.357565	Portugal
SS - Porto Santo	33.066618	-16.340168	Portugal
SS - Vouzela (AV/V)	40.68607699	-8.231362	Portugal
SS - Alfragide (Amadora/LX)	38.7331999	-9.223209999	Portugal
SS - R. da República (Loures)	38.8269639	-9.163515	Portugal
SS - Celorico da Beira (V/GD)	40.62969	-7.356925	Portugal
SS - Av. Almirante Gago Coutinho	38.749102	-9.130231	Portugal
SS - Aveiro (Aveiro/Viseu)	40.660097	-8.591414999	Portugal
SS - Estoril	38.711285	-9.393527	Portugal
SS - Universidade Católica	41.153342	-8.670923	Portugal
SS - Alto do Valongo	41.194548	-8.516925	Portugal
SS - Vila Nova de Gaia Sul	41.140452	-8.63283	Portugal
SS - Aveiro (V/AV)	40.662162	-8.592456	Portugal
SS - Vila Nova de Gaia Norte	41.14009	-8.633981999	Portugal
SS - Alfragide (LX/Amadora)	38.733021	-9.224213999	Portugal
SS - Senhora da Hora	41.18195	-8.647825	Portugal
SS - Montemor Norte	38.61822	-8.0784	Portugal

Name	Latitude	Longitude	Country
SS - Montemor Sul	38.61694	-8.079924	Portugal
SS - Alcochete (N/S)	38.72584	-8.98778	Portugal
SS - Loulé (Loulé/Faro)	37.13694999	-8.11001	Portugal
SS - Vila Velha Rodão (S/N)	39.57468099	-7.782013	Portugal
SS - Boavista	41.166023	-8.677975999	Portugal
SS - Leiria (Azoia)	39.730957	-8.824187	Portugal
SS - Aveiras (S/N)	39.121838	-8.908578	Portugal
SS - Aljustrel (N/S)	37.92501	-8.24306	Portugal
SS - Matosinhos (Mat/Amarante)	41.204353	-8.640259	Portugal
SS - Aveiras (N/S)	39.124383	-8.907084	Portugal
SS - Gondomar	41.14706	-8.53162	Portugal
SS - Guarda A23 (N/S)	40.54396299	-7.215431999	Portugal
SS - Adémia/Coimbra	40.2507999	-8.441839999	Portugal
SS - Ermesinde	41.20189	-8.54537	Portugal
SS - Circunvalação (P. Real)	41.17207299	-8.67841999	Portugal
SS - Oeiras Parque	38.69973	-9.30639	Portugal
SS - Av. Berlim	38.76695	-9.10084	Portugal
SS - Leça da Palmeira	41.20112	-8.69917	Portugal
SS - Palmela (Set/Lis)	38.5842999	-8.9303899	Portugal
SS - Torres Vedras (N/S)	39.157524	-9.22727	Portugal
SS - Torres Vedras (S/N)	39.15639	-9.22695	Portugal
SS - Ajuda	38.71028	-9.20445	Portugal
SS - Alcácer (S/N)	38.5157999	-8.5861499	Portugal
SS - Montijo N/S	38.72584	-8.67084	Portugal
SS - Montijo S/N	38.72667	-8.66917	Portugal
SS - Póvoa do Varzim	41.38889	-8.76362	Portugal
SS - Lagos (Faro/Lagos)	37.14833699	-8.702792	Portugal
SS - Alcochete (S/N)	38.725788	-8.98710999	Portugal
SS - Lagos (Lagos/Faro)	37.148927	-8.70399399	Portugal
SS - Birre	38.710968	-9.446366	Portugal
SS - Guarda A23 (S/N)	40.543855	-7.21661	Portugal
SS - Vila do Conde (Vila C./Por)	41.289	-8.70322999	Portugal
SS - Vila Velha Rodão (N/S)	39.572262	-7.78270999	Portugal
SS - Malveira da Serra	38.71973	-9.44139	Portugal
SS - Alcácer (N/S)	38.5152	-8.58455999	Portugal
SS - Viseu	40.66334	-7.90584	Portugal
SS - Loulé (Faro/Loulé)	37.1365839999999	-8.111162999	Portugal
SS - Salvaterra de Magos S/N	39.0528929999999	-8.6685999	Portugal
SS - Salvaterra de Magos N/S	39.054107	-8.669157999	Portugal
SS - Aljustrel (S/N)	37.92195	-8.24223	Portugal
SS - Palmela (Lis/Set)	38.5857	-8.93	Portugal
SS - Leiria	39.73584	-8.79889	Portugal
SS - Vouzela (V/AV)	40.687154999	-8.23099	Portugal
SS - Vila do Conde (Por/Vila C.)	41.28864999	-8.704202999	Portugal
SS - Telheiras	38.7675	-9.17084	Portugal

Name	Latitude	Longitude	Country
SS - Matosinhos (Amarante/Mat)	41.205627	-8.639875	Portugal
SS - Francos	41.16438	-8.63978	Portugal
SS - Arco do Cego	38.740287	-9.142804	Portugal
SS - Calç. de Carriche (OD/LX)	38.785296999	-9.16883499	Portugal
SS - Loures	38.8265999	-9.16277999	Portugal
SS - Freixo	41.145502	-8.57797	Portugal
SS - Aeroporto (S/N)	38.77945	-9.12223	Portugal
SS - Aeroporto (N/S)	38.77945	-9.12389	Portugal
SS - Calç. de Carriche (LX/OD)	38.78473	-9.1675	Portugal
SS - Paracuellos del Jarama	40.5221	-3.54542	Spain
SS - Monegros Dir. Zaragoza	41.5182	0.0393611	Spain
SS - Monegros Dir. Barcelona	41.5181	0.0419153	Spain
SS - Alt Camp Dir. Lérida	41.288	1.41261	Spain
SS - Alt Camp Dir. Barcelona	41.2866	1.41261	Spain
SS - Roses	42.28033	3.1625	Spain
SS - Guitiriz Dir.Madrid	43.1874	-7.92909	Spain
SS - Guitiriz Dir.Coruña	43.1885	-7.92777	Spain
SS - La Gleva	42.0045	2.24286	Spain
SS - Ronda - Málaga	36.7838	-5.11543	Spain
SS - San Antonio Dir. Alicante	38.79	0.063102	Spain
SS - San Antonio Dir. Tarragona	38.792	0.063124	Spain
SS - La Plana - Dir. Alicante	39.864	-0.1235	Spain
SS - La Plana - Dir. Tarragona	39.8662	-0.1215	Spain
SS - Leganés - San José de Valderas	40.3466	-3.7969	Spain
SS - Los Palacios	37.1961	-5.9112	Spain
SS - Madrid - Villaverde Tlobalina	40.3314	-3.71545	Spain
SS - El Puig	39.6067	-0.3443	Spain
SS - Palazuelos	40.9226	-4.0773	Spain
SS - Roquetes	40.8105	0.509331	Spain
SS - Cáceres - Las Capellanías	39.4841	-6.41305	Spain
SS - Avila - Rio Adaja	40.6598	-4.70147	Spain
SS - Villacastin - Dir. Coruña	40.7979	-4.46146	Spain
SS - Liria - Dir.Valencia	39.6569	-0.650264	Spain
SS - Villacastin - Dir. Madrid	40.7975	-4.4629	Spain
SS - Jonquera - Norte	42.4054	2.8746	Spain
SS - Gironès Sur	41.9057	2.77167	Spain
SS - Gironès Norte	41.9072	2.77348	Spain
SS - Porta de Barcelona Sur	41.468	1.9778	Spain
SS - Agost - AP7 Dir.Murcia	38.4088	-0.599395	Spain
SS - Alcalá Henares - A2 Dir.Barcelona	40.4932	-3.38638	Spain
SS - Alcalá Henares - A2 Dir.Madrid	40.4943	-3.38776	Spain
SS - Agost - AP7 Dir.Valencia	38.4066	-0.599971	Spain
SS - Alcobendas - Antigua N1	40.5328	-3.64223	Spain
SS - Alcobendas - Av.Marq.Valdavia	40.5483	-3.66206	Spain
SS - Alcalá Henares - C/Villamalea	40.5077	-3.35269	Spain

Name	Latitude	Longitude	Country
SS - Alcalá Henares - Puerta de Madrid	40.4769	-3.39392	Spain
SS - Alfafar - Pista de Silla	39.4132	-0.379394	Spain
SS - Alfafar - Av.Torrente	39.4154	-0.397943	Spain
SS - Alcalá Henares - Via Complutense	40.494	-3.34866	Spain
SS - Aldehuela de la Boveda	40.8471	-6.05004	Spain
SS - Alcoy - C/Alicante	38.695	-0.478121	Spain
SS - Almassora - Manuel Vivanco	39.9427	-0.0585718	Spain
SS - Almeria - Retamar	36.8518	-2.31118	Spain
SS - Alsasua - Dir.Madrid A1	42.9151	-2.19818	Spain
SS - Alfaz del Pí	38.5678	-0.0829972	Spain
SS - Arriendas	43.3886	-5.18271	Spain
SS - Algezares	37.9436	-1.11879	Spain
SS - Alsasua - Dir.Irún A1	42.9177	-2.19539	Spain
SS - Antequera	37.0272	-4.57655	Spain
SS - Amposta	40.7033	0.567077	Spain
SS - Arcos de Jalon	41.217	-2.29127	Spain
SS - Aspe – Avda. Orihuela	38.3369	-0.777564	Spain
SS - Badajoz - Ctra. Cáceres	38.8933	-6.97035	Spain
SS - Arrasate - Mondragón	43.0485	-2.49873	Spain
SS - Aznalfarache	37.3726	-6.03373	Spain
SS - Barcelona - Almogávares	41.3942	2.18647	Spain
SS - Barajas - Aeropuerto	40.4679	-3.5788	Spain
SS - Badajoz - Av. Portugal	38.8837	-6.99035	Spain
SS - Barbadianes - Dir.Orense	42.3181	-7.8773	Spain
SS - Barcelona - Paralelo	41.3752	2.16057	Spain
SS - Barcelona - Maragall	41.4158	2.18026	Spain
SS - Barbadianes - Dir.Celanova	42.3182	-7.8781	Spain
SS - Barcelona - Calle Y	41.3278	2.14278	Spain
SS - Barcelona - Horta	41.4298	2.16139	Spain
SS - Barcelona - Valle Hebron	41.4193	2.13992	Spain
SS - Barcelona - Z.Franca-Plaza Cerdá	41.363	2.13641	Spain
SS - Barcelona - Pujades	41.4063	2.20625	Spain
SS - Benalmádena - Carvajal	36.5724	-4.59006	Spain
SS - Barcelona - Z.Franca-Puerto	41.3552	2.14208	Spain
SS - Benalmadena - Av.Arroyo Hondo	36.6003	-4.5616	Spain
SS - Bellreguard	38.9494	-0.165143	Spain
SS - Benidorm - Dir.Valencia N332	38.5578	-0.101484	Spain
SS - Benidorm - Dir.Alicante N332	38.558	-0.101893	Spain
SS - Benifaio - Dir.Almusafes CV42	39.2804	-0.415445	Spain
SS - Benifaio - Dir.Algemesi CV42	39.2804	-0.414513	Spain
SS - Borriol	40.0141	-0.125855	Spain
SS - Boadilla - Dir. Boadilla Ctra 513	40.4122	-3.89417	Spain
SS - Cáceres - Ctra. A Trujillo	39.465	-6.29667	Spain
SS - Boadilla - Ventura Rodriguez	40.3987	-3.891	Spain
SS - Boadilla - Dir. Brunete Ctra 513	40.4122	-3.89417	Spain

Name	Latitude	Longitude	Country
SS - Burjassot	39.5001	-0.401217	Spain
SS - Calera y Chozas	39.9177	-5.05865	Spain
SS - Cáceres - La Mejostilla	39.4905	-6.36716	Spain
SS - Camarles	40.7621	0.640963	Spain
SS - Calonge	41.8369	3.08593	Spain
SS - Carranque	40.1821	-3.88639	Spain
SS - Castelldefells - Canal Olimpico	41.2817	1.98636	Spain
SS - Cobeña	40.5613	-3.51334	Spain
SS - Cartagena - Unión	37.6049	-0.968	Spain
SS - Castillo de Garcimuñoz	39.6517	-2.35281	Spain
SS - Castellón - Ctra.Alcora	40.0021	-0.104782	Spain
SS - Ciempozuelos	40.1653	-3.63586	Spain
SS - Cocentaina - Dir.Alicante N340	38.7152	-0.463221	Spain
SS - Chiva - Palmeras A3 Dir.Madrid	39.4749	-0.612291	Spain
SS - Cocentaina - Dir.Valencia N340	38.7154	-0.463682	Spain
SS - Collado Villalba - Carrefour	40.6358	-4.00995	Spain
SS - Compostela - Teo	42.8114	-8.58562	Spain
SS - Corvera de Asturias	43.5352	-5.8896	Spain
SS - Cornellá - Ctra.Del Prat	41.3536	2.07655	Spain
SS - Colmenar Viejo - La Mina	40.6545	-3.76022	Spain
SS - Cullera - Dir.Valencia N332	39.1428	-0.27762	Spain
SS - Coslada - Av.Jarama	40.4328	-3.53365	Spain
SS - Cuenca Centro Comercial	40.0769	-2.15138	Spain
SS - Cornellá - C/Progrés	41.3481	2.08191	Spain
SS - Cuenca Ronda	40.0549	-2.1298	Spain
SS - El Escorial	40.6019	-4.12765	Spain
SS - Cullera - Dir.Alicante N332	39.1434	-0.278143	Spain
SS - El Ejido - Ctra Malaga 492	36.7747	-2.80231	Spain
SS - Elche - A7Dir. Murcia	38.3097	-0.605045	Spain
SS - El Bruc	41.5679	1.80173	Spain
SS - Elche - A7Dir. Alicante	38.308	-0.606568	Spain
SS - Denia	38.839	0.0944189	Spain
SS - Fontellas - Dir.Tudela N232	42.0248	-1.58034	Spain
SS - El Espinar - San Rafael	40.7135	-4.18839	Spain
SS - Estepona	36.4342	-5.16069	Spain
SS - Elche - Av. Libertad	38.2603	-0.718009	Spain
SS - El Prat de Llobregat-Vertex	41.3141	2.06962	Spain
SS - Fontellas - Dir.Zaragoza N232	42.0235	-1.58024	Spain
SS - Fraga - Dir.Barcelona N-II	41.5197	0.205797	Spain
SS - Fortiá - Dir.Figueres C68	42.2596	3.04843	Spain
SS - Fuenlabrada - Luis Sauquillo	40.275	-3.80549	Spain
SS - Fraga - Dir.Madrid N-II	41.5203	0.205812	Spain
SS - Fortiá - Dir.Roses C68	42.2593	3.04681	Spain
SS - Fuengirola	36.5643	-4.62107	Spain
SS - Fuengirola - Ctra. Mijas	36.5563	-4.62696	Spain

Name	Latitude	Longitude	Country
SS - Fuenlabrada - Av.Hispanidad	40.2816	-3.77062	Spain
SS - Gijón	43.5382	-5.70358	Spain
SS - Granollers - Palou	41.5858	2.28465	Spain
SS - Getafe	40.2946	-3.74498	Spain
SS - Huelva-Gon	37.2536	-6.95214	Spain
SS - Gijón - Puerto del Musel -	43.5482	-5.69466	Spain
SS - Granja de Rocamora - Costa Blanca	38.156	-0.889921	Spain
SS - Jerez - Area Sur	36.6877	-6.15472	Spain
SS - Granollers - Camp	41.6031	2.27724	Spain
SS - Huétor Tajar A-92	37.1798	-4.05935	Spain
SS - Hondarribia	43.3563	-1.79444	Spain
SS - Irun	43.332	-1.81743	Spain
SS - Jonquera - Tramuntana	42.4104	2.87623	Spain
SS - Jonquera - Centro	42.4172	2.87196	Spain
SS - Jerez - A-381	36.5247	-5.98189	Spain
SS - Jonquera - AS24	42.3978	2.88041	Spain
SS - La Galera - Santa Barbara	40.7007	0.478669	Spain
SS - La Bisbal d´Empordà	41.9708	3.03086	Spain
SS - L´Hospitalet - Bellvit.D.Bcna	41.3457	2.10953	Spain
SS - L´Ampolla - Dir.Barcelona-N-340	40.8376	0.711463	Spain
SS - L´Ampolla - Dir.Valencia -N-340	40.8352	0.709959	Spain
SS - L´Hospitalet - Bellvit.D.Cast	41.3464	2.11168	Spain
SS - La Garriga	41.709	2.28107	Spain
SS - La Carolina	38.2951	-3.58911	Spain
SS - L´Hospitalet - Collblanc	41.3758	2.12082	Spain
SS - Lasarte	43.2542	-2.02275	Spain
SS - La Grela	43.3474	-8.42607	Spain
SS - Lezo - AS24	43.3273	-1.8708	Spain
SS - Las Franquesas del Vallés	41.6197	2.3179	Spain
SS - La Nucía	38.6031	-0.129731	Spain
SS - Las Rozas	40.5186	-3.88665	Spain
SS - Madrid - Avda. Arcentales	40.4265	-3.62606	Spain
SS - Madrid - Argentina	40.3736	-3.74343	Spain
SS - Loeches	40.3987	-3.41599	Spain
SS - Lezo	43.327	-1.87055	Spain
SS - Madrid - Sanchinarro	40.494	-3.64822	Spain
SS - Madrid - Sinesio Delgado	40.4737	-3.70147	Spain
SS - Lugo	43.006	-7.57225	Spain
SS - Madrid - Ctra Ajalvir-Vicálvaro	40.4266	-3.6117	Spain
SS - Madrid - C/Bravo Murillo	40.4573	-3.7019	Spain
SS - Marbella - Ricardo Soriano	36.5101	-4.89669	Spain
SS - Madrid - Vallecas	40.369	-3.63104	Spain
SS - Manresa - Av.Dolors	41.7343	1.83666	Spain
SS - Málaga - El Viso	36.7136	-4.48252	Spain
SS - Majadahonda	40.4556	-3.8674	Spain

Name	Latitude	Longitude	Country
SS - Marbella - Rodeito	36.4869	-4.96625	Spain
SS - Málaga - El Limonar	36.7398	-4.39451	Spain
SS - Málaga - Santa Barbara	36.6916	-4.46194	Spain
SS - Mataró - Via Sergia	41.5328	2.42298	Spain
SS - Manilva	36.3418	-5.23867	Spain
SS - Mazagon	37.1388	-6.82296	Spain
SS - Martin Muñoz de la Dehesa-Arevalo	41.0528	-4.69933	Spain
SS - Montseny Norte	41.6478	2.42566	Spain
SS - Mazarrón - Camposol	37.6771	-1.34	Spain
SS - Gandia	38.9607	-0.177733	Spain
SS - Alcoy - Ctra.Jijona	38.6835	-0.471412	Spain
SS - Mejorada del Campo	40.3859	-3.49063	Spain
SS - Llançà	42.3605	3.14384	Spain
SS - Betxi	39.9232	-0.184611	Spain
SS - Meis	42.4986	-8.74499	Spain
SS - Barbate	36.1996	-5.92087	Spain
SS - Esplugues de Llobregat	41.3774	2.09168	Spain
SS - Miranda de Ebro	42.6858	-2.9327	Spain
SS - Jonquera - Aduana	42.4283	2.86618	Spain
SS - Maresme Sur	41.4931	2.33403	Spain
SS - Lleida	41.6454	0.566212	Spain
SS - Bollullos	37.3504	-6.13821	Spain
SS - Montseny Sur	41.6468	2.42555	Spain
SS - Cassa de la Selva	41.8613	2.88497	Spain
SS - Medina Del Campo	41.355	-4.95885	Spain
SS - Benavente	41.9997	-5.66405	Spain
SS - Molins de Rei	41.3921	2.02411	Spain
SS - Montellano	36.9948	-5.57669	Spain
SS - Móstoles	40.3183	-3.85196	Spain
SS - Murcia - Ctra. del Palmar	37.9717	-1.13685	Spain
SS - Mislata	39.4692	-0.433165	Spain
SS - Noaín	42.7744	-1.63331	Spain
SS - Ontinyent	38.8257	-0.596078	Spain
SS - Olesa de Montserrat	41.5432	1.88627	Spain
SS - Oliva - Dir.Valencia	38.9131	-0.111707	Spain
SS - Oropesa Del Mar	40.0916	0.13196	Spain
SS - Palamós	41.8641	3.13654	Spain
SS - Oliva - Dir.Alicante	38.9228	-0.124613	Spain
SS - Palma de Mallorca - Manuel Azaña	39.5652	2.66336	Spain
SS - Parla	40.2515	-3.76425	Spain
SS - Perales De Tajuña	40.2237	-3.33455	Spain
SS - Pinto - Eboli Dir.Arganda M506	40.2364	-3.70531	Spain
SS - Poble Nou	41.3975	2.20171	Spain
SS - Pinto - Eboli Dir.Fuenlabrada M506	40.2553	-3.72724	Spain
SS - Reus - C/Racasens i Mercadé	41.1524	1.0841	Spain

Name	Latitude	Longitude	Country
SS - Rentería	43.3162	-1.90534	Spain
SS - Puerto Lápice - Dir.Madrid A4	39.2876	-3.45662	Spain
SS - Reus - Avda.María Fortuny	41.1621	1.11267	Spain
SS - Puerto Lápice - Dir.Cadiz A4	39.2883	-3.45431	Spain
SS - Pulianas	37.2138	-3.60977	Spain
SS - Ripollet - Polig. La Siberia	41.5014	2.13949	Spain
SS - Ripollet - C/Tarragona	41.495	2.15556	Spain
SS - S.Carles Rapita - Dir.Valencia	40.6256	0.57928	Spain
SS - Rosal de La Frontera	37.963	-7.23914	Spain
SS - Rojales - Ciudad Quesada	38.0631	-0.728758	Spain
SS - S.Carles Rapita - Dir.Barcelona	40.6259	0.578071	Spain
SS - Sant Adrià de Besòs - Sot	41.4293	2.22767	Spain
SS - San Javier	37.811	-0.828967	Spain
SS - Salnes	42.5625	-8.67207	Spain
SS - Sagunto - El Arenal	39.6321	-0.298521	Spain
SS - S.S.de los Reyes-Jarama	40.6087	-3.57905	Spain
SS - Sabadell - Gran Via	41.5351	2.10426	Spain
SS - Santa Llogaia D'Alguema	42.2298	2.95583	Spain
SS - Sant Pol de Mar	41.608	2.60489	Spain
SS - Sant Adrià de Besòs-C/Guipuzcoa	41.4274	2.21076	Spain
SS - San Antonio de Benagéber	39.5556	-0.486969	Spain
SS - Sarracín - Dir.Burgos N-I	42.2458	-3.70345	Spain
SS - Sarracín - Dir.Madrid N-I	42.2452	-3.70594	Spain
SS - Santa Marta Tormes Av.Serna	40.9504	-5.64109	Spain
SS - Santa Susanna	41.6329	2.70414	Spain
SS - Sevilla - Ctra. Amarilla	37.3877	-5.95437	Spain
SS - Sevilla La Nueva - D.El Escorial	40.339	-4.0183	Spain
SS - Sevilla - Avda.Andalucía	37.3864	-5.94752	Spain
SS - Silleda	42.7163	-8.30127	Spain
SS - Sevilla La Nueva - D.Navalcarnero	40.3386	-4.0191	Spain
SS - Taracena	40.6578	-3.11982	Spain
SS - Tembleque	39.6362	-3.51743	Spain
SS - Torelló - Ter	42.0487	2.25304	Spain
SS - Tavernes	39.067	-0.274583	Spain
SS - Terrassa - Textil	41.5446	2.02525	Spain
SS - Torrejón de Ardoz - Avda Constitución	40.4584	-3.46665	Spain
SS - Torrent - A7Dir.Alicante	39.4006	-0.493606	Spain
SS - Terrassa - Ctra.Olesa	41.5561	1.99183	Spain
SS - Torrent - A7Dir.Castellón	39.4007	-0.491101	Spain
SS - Torrelavega	43.3591	-4.06534	Spain
SS - Valdemoro - Los Olivos	40.1855	-3.6928	Spain
SS - Torrent - Picanya	39.4371	-0.446996	Spain
SS - Valencia - Emilio Baró	39.4893	-0.360454	Spain
SS - Valdepeñas	38.688	-3.43734	Spain
SS - Torredembarra	41.152	1.39345	Spain

Name	Latitude	Longitude	Country
SS - Valencia - General Avilés	39.4817	-0.406471	Spain
SS - Valencia - Serrería	39.4645	-0.335609	Spain
SS - Venta de las Ranas	43.5134	-5.51221	Spain
SS - Vallirana	41.3796	1.91969	Spain
SS - Vigo - Lavadores	42.2231	-8.69797	Spain
SS - Valencia - Primado Reig	39.4904	-0.372048	Spain
SS - Vilanova - Av.Cubelles	41.2191	1.71645	Spain
SS - Vidreres C-35 Dir. Granollers	41.7856	2.76175	Spain
SS - Villargordo Cabriel - Dir.Valencia A3	39.5261	-1.4373	Spain
SS - Viladecans - Av.Progreso	41.321	2.02924	Spain
SS - Villanueva de Perales D.Madrid	40.3796	-4.09259	Spain
SS - Vilanova - Toldrà 67	41.2281	1.73606	Spain
SS - Villargordo Cabriel - Dir.Madrid A3	39.5288	-1.43344	Spain
SS - Villalbilla	40.4465	-3.36185	Spain
SS - Villagarcia de Arosa	42.5759	-8.73142	Spain
SS - Villatoro	42.3661	-3.69273	Spain
SS - Villanueva de Perales D.Navas Rey	40.3787	-4.09315	Spain
SS - Ziordia	42.8648	-2.23564	Spain
SS - Yecla	38.6148	-1.10271	Spain
SS - Vitoria - Armentia	42.8377	-2.69835	Spain
SS - Zaragoza - A2 Dir.Barcelona	41.6155	-1.05883	Spain
SS - Zaragoza - A2 Dir.Madrid	41.6184	-1.04247	Spain
SS - Zaragoza - Av.Valle del Broto	41.6662	-0.877147	Spain
SS -Villarrobledo	39.272	-2.59407	Spain
SS - Zumárraga	43.0871	-2.31286	Spain
SS - Alcalá de Guadaira - Bansur	37.3794	-5.89561	Spain
SS - Barakaldo	43.2887	-3.00966	Spain
SS - Culleredo	43.3189	-8.37421	Spain
SS - Chiva - Cheste A3 Dir.Valencia	39.4715	-0.645348	Spain
SS - Monforte de Lemos	42.5175	-7.50523	Spain
SS - Pozuelo - Hipercor	40.4586	-3.80097	Spain
SS - Ribarroja del Turia - Pol.Entrevía	39.5424	-0.555973	Spain
SS - Santander - Av.V.Trueba-El Alisal	43.4571	-3.85681	Spain
SS - Sopelana Dir. Bilbao	43.3822	-2.98792	Spain
SS - Sopelana Dir. Plencia	43.3824	-2.98769	Spain
SS - Valencia - Archiduque Carlos	39.4563	-0.405274	Spain
SS - Sant Boi de Llobregat - S. Creu Calafell 41	41.3317	2.04214	Spain
SS - Valdemoro - Avda. de Madrid	40.2066	-3.68389	Spain
SS - Llíria - Dir.Ademuz	39.6564	-0.650732	Spain
SS - Utrera - San Juan Bosco	37.1756	-5.77772	Spain
SS - Nules - Dir. Valencia	39.8414	-0.180446	Spain
SS - Viladecans - Av.de Gavà	41.3121	2.01577	Spain
SS - Villarejo de Salvanes	40.1725	-3.29152	Spain
SS - Peraleda de la Mata - A5 Dir. Badajoz	39.892	-5.42829	Spain
SS - Zamudio	43.2932	-2.89672	Spain

Name	Latitude	Longitude	Country
SS - Nules - Dir. Castellon	39.8419	-0.180981	Spain