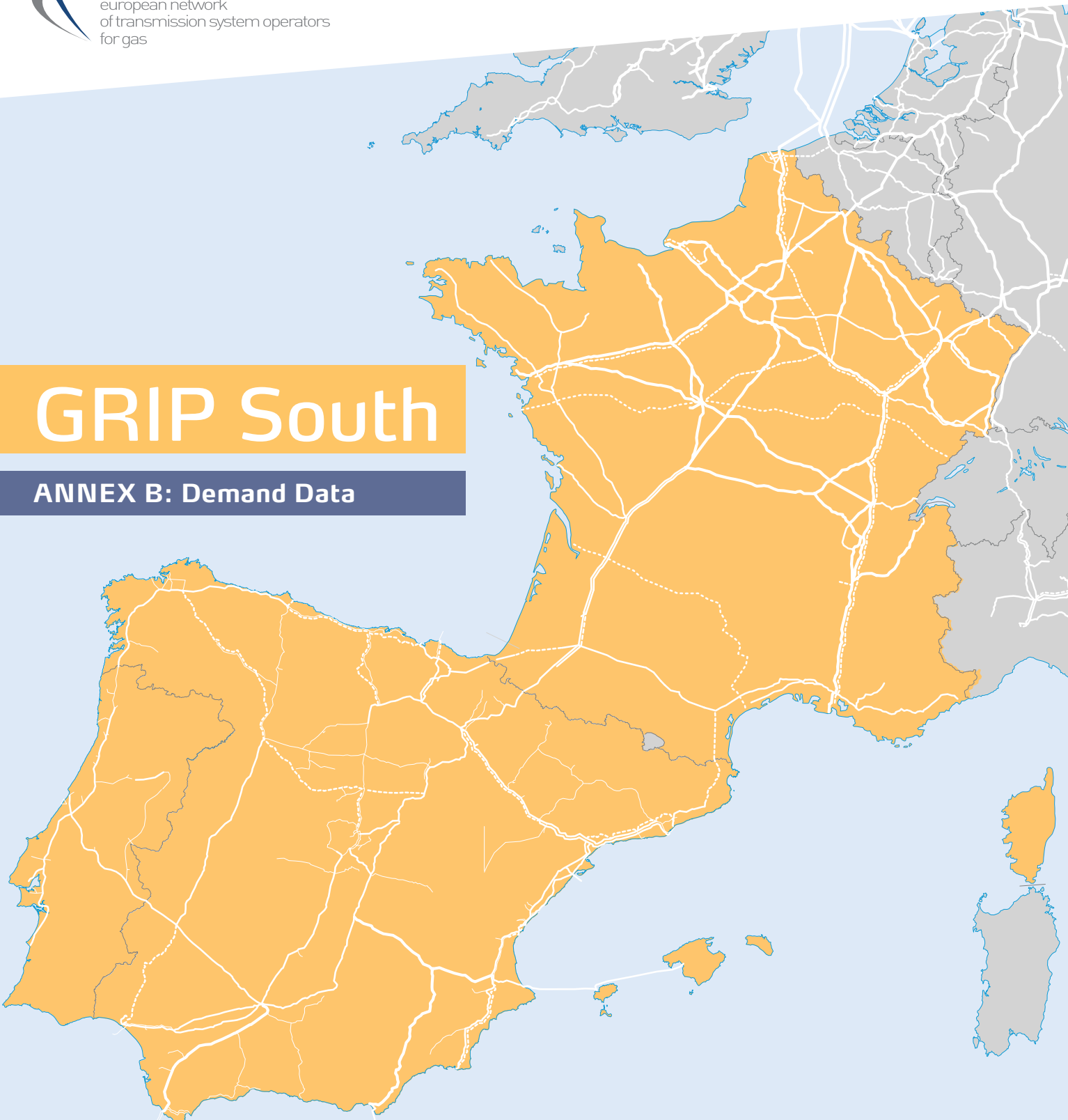


GRIP South

ANNEX B: Demand Data



Yearly Average Demand 2013-2023

(in GWh/d)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	1.352	1.354	1.357	1.392	1.414	1.430	1.436	1.443	1.441	1.439	1.439
Portugal	152	158	159	159	169	199	201	201	198	217	219
Spain	954	994	1.074	1.141	1.187	1.263	1.276	1.284	1.294	1.303	1.310
Total South Region	2.457	2.505	2.590	2.693	2.770	2.892	2.912	2.929	2.933	2.960	2.969
Total Europe	13.774	13.861	13.974	14.158	14.398	14.753	14.854	14.931	14.915	14.921	14.909

High Daily Demand - Design Case 2013-2023

(in GWh/d)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	4.411	4.419	4.437	4.431	4.436	4.450	4.437	4.431	4.406	4.365	4.323
Portugal	295	299	308	311	339	368	374	377	379	401	401
Spain	2.072	2.123	2.151	2.202	2.260	2.314	2.367	2.423	2.482	2.542	2.604
Total South Region	6.778	6.840	6.895	6.944	7.034	7.132	7.178	7.232	7.267	7.308	7.328
Total Europe	34.736	34.903	34.848	35.187	35.392	35.685	35.664	35.931	35.864	35.904	35.938

High Daily Demand - Uniform risk 2013-2023

(in GWh/d)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	4.189	4.195	4.213	4.209	4.216	4.232	4.222	4.218	4.196	4.157	4.117
Portugal	295	299	308	311	339	368	374	377	379	401	401
Spain	2.065	2.115	2.144	2.195	2.253	2.306	2.358	2.414	2.466	2.519	2.574
Total South Region	6.549	6.608	6.665	6.716	6.807	6.906	6.954	7.010	7.041	7.077	7.093
Total Europe	34.139	34.301	34.271	34.618	34.807	35.098	35.043	35.306	35.233	35.267	35.295

High Daily Demand - 14-days average 2013-2023

(in GWh/d)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	3.869	3.875	3.895	3.893	3.902	3.921	3.914	3.914	3.895	3.860	3.824
Portugal	278	285	291	293	319	347	351	353	353	374	373
Spain	1.882	1.927	1.949	1.994	2.046	2.092	2.138	2.186	2.233	2.281	2.331
Total South Region	6.029	6.086	6.135	6.180	6.267	6.360	6.403	6.453	6.481	6.515	6.528
Total Europe	31.373	31.474	31.452	31.771	31.990	32.358	32.352	32.491	32.546	32.537	32.608

Power Generation - Peak consumption

(in GWh/d)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	248	248	270	289	323	367	387	414	434	434	434
Portugal	148	145	148	147	168	193	195	196	194	213	210
Spain	750	753	754	782	811	839	867	895	924	954	985
Total South Region	1.146	1.145	1.172	1.218	1.302	1.399	1.450	1.505	1.552	1.601	1.630
Total Europe	5.169	5.270	5.311	5.565	5.822	6.041	6.138	6.432	6.491	6.619	6.722

Power Generation - Yearly consumption

(in TWh/y)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
France	21	25	28	33	44	52	58	64	67	71	71
Portugal	14	15	14	13	15	25	25	24	22	29	28
Spain	65	70	93	112	126	150	153	154	155	156	157
Total South Region	100	110	135	158	184	228	235	241	244	255	256
Total Europe	1.134	1.168	1.211	1.266	1.348	1.464	1.501	1.537	1.546	1.565	1.576



Yearly Demand

(in TWh/y)

COUNTRY	2010	2011	2012
France	552	478	495
Portugal	57	57	49
Spain	401	373	363

South Region	1.010	908	907
Total Europe	5.676	5.075	5.015

Power Generation - Yearly consumption

(in TWh/y)

COUNTRY	2010	2011	2012
France	25	29	18
Portugal	22	21	12
Spain	136	110	85

South Region	183	160	114
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