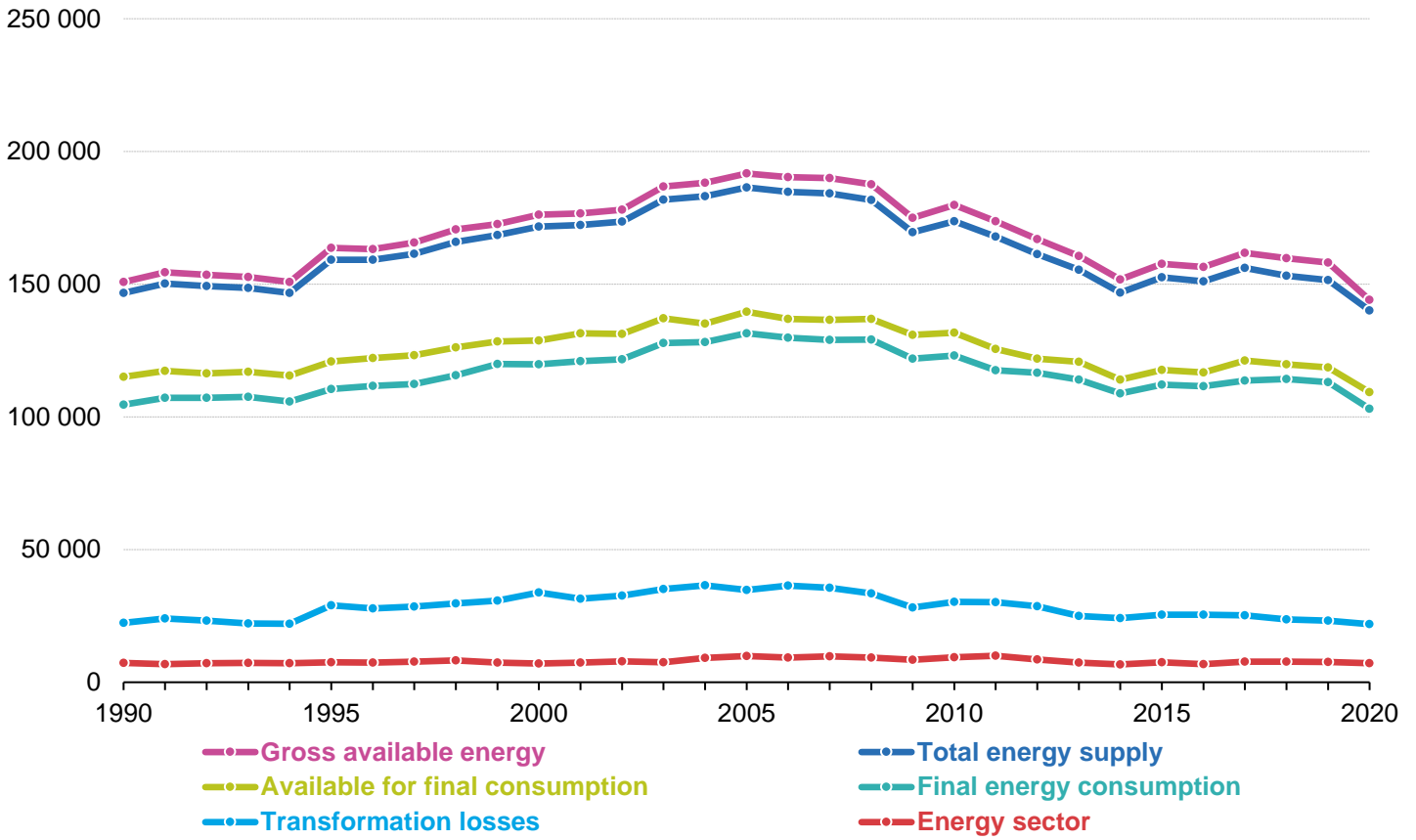
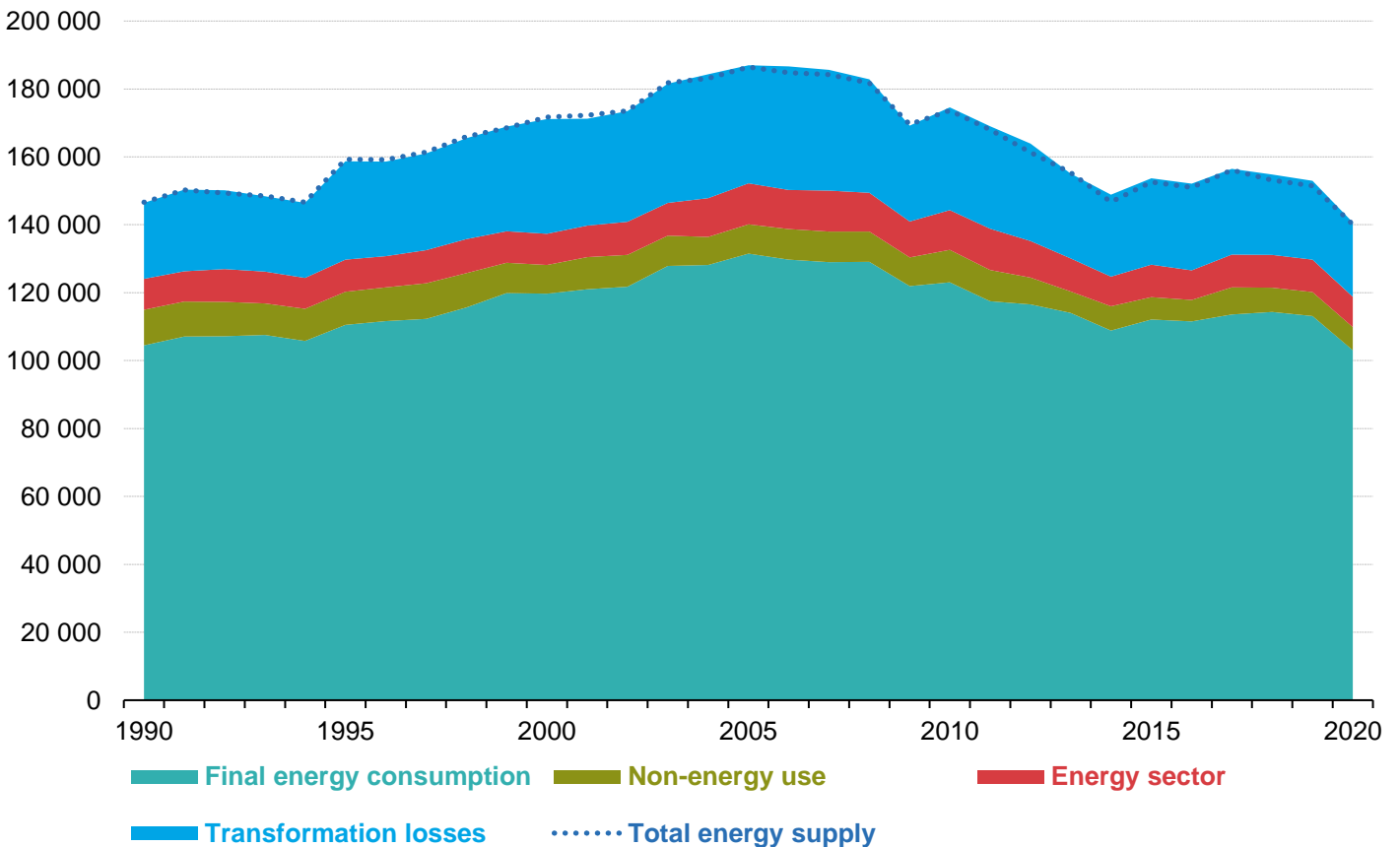


Italy

Key energy balance aggregates, ktoe



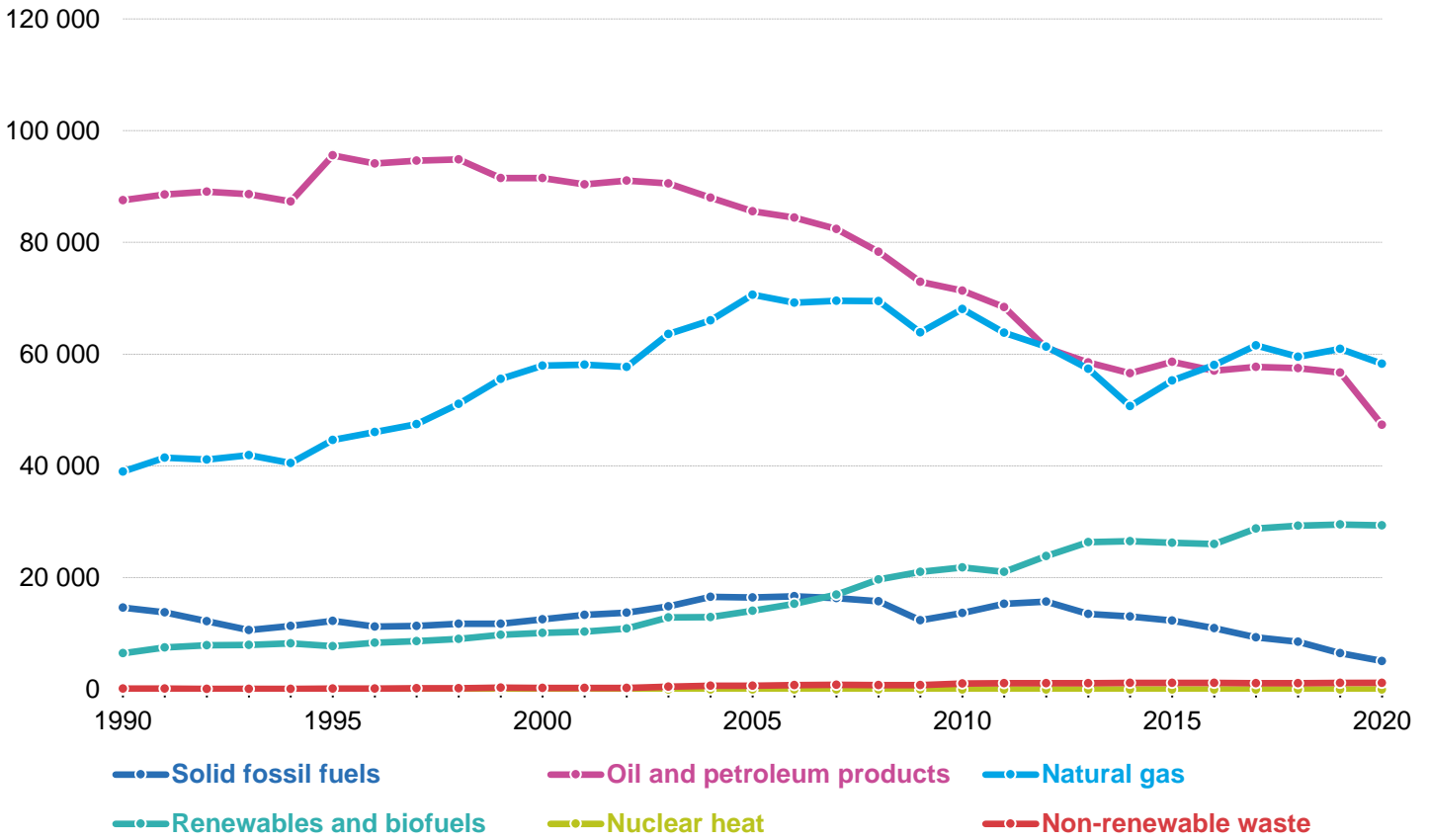
Total energy supply and its components, ktoe



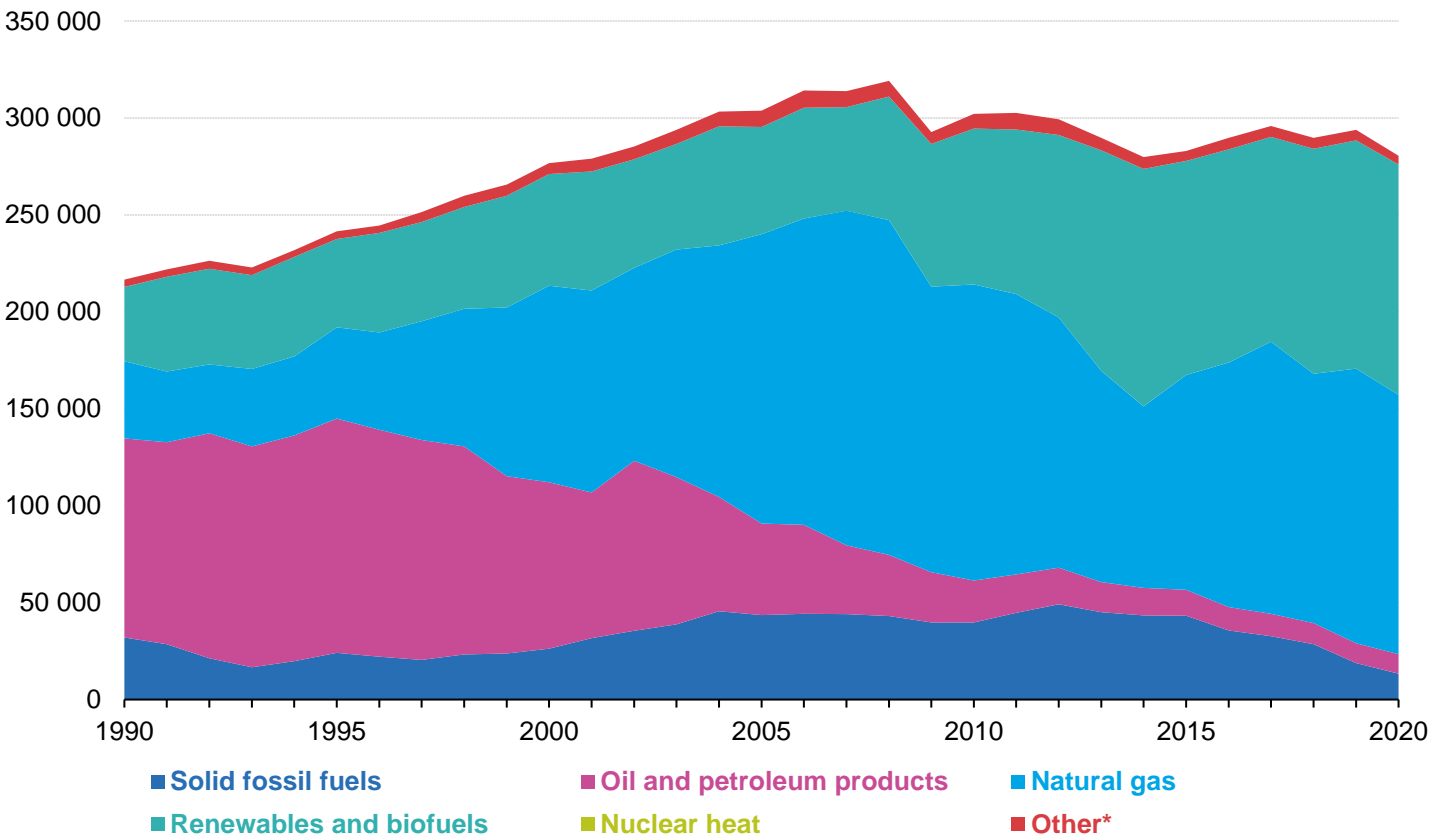
The difference between *Total energy supply* and the area chart is the *Statistical difference*.

Italy

Gross available energy by fuel, ktoe



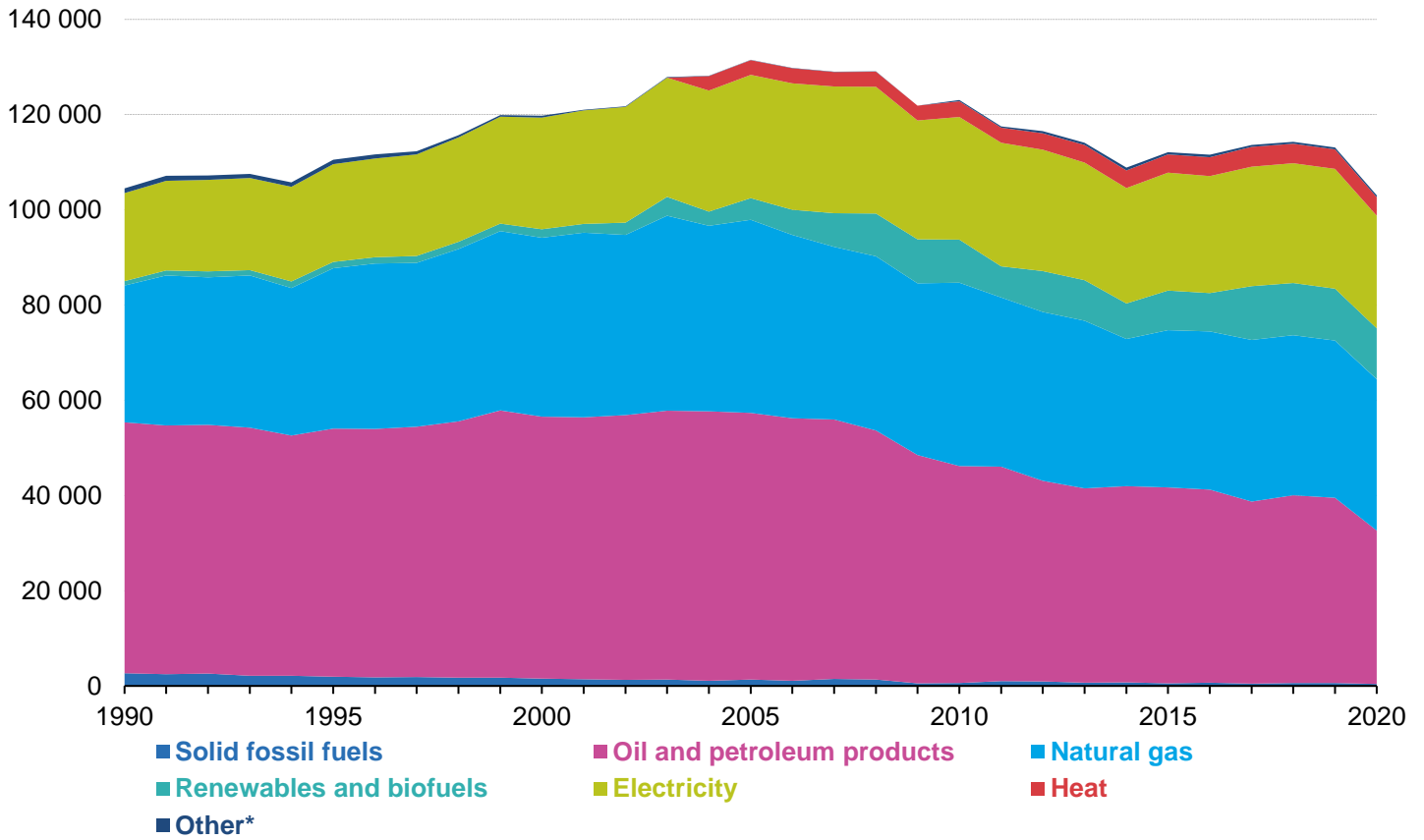
Gross electricity production by fuel, GWh



*Other includes peat and peat products, oil shale and oil sands, manufactured gases, non-renewable waste, derived heat, chemical heat and non-specified sources.

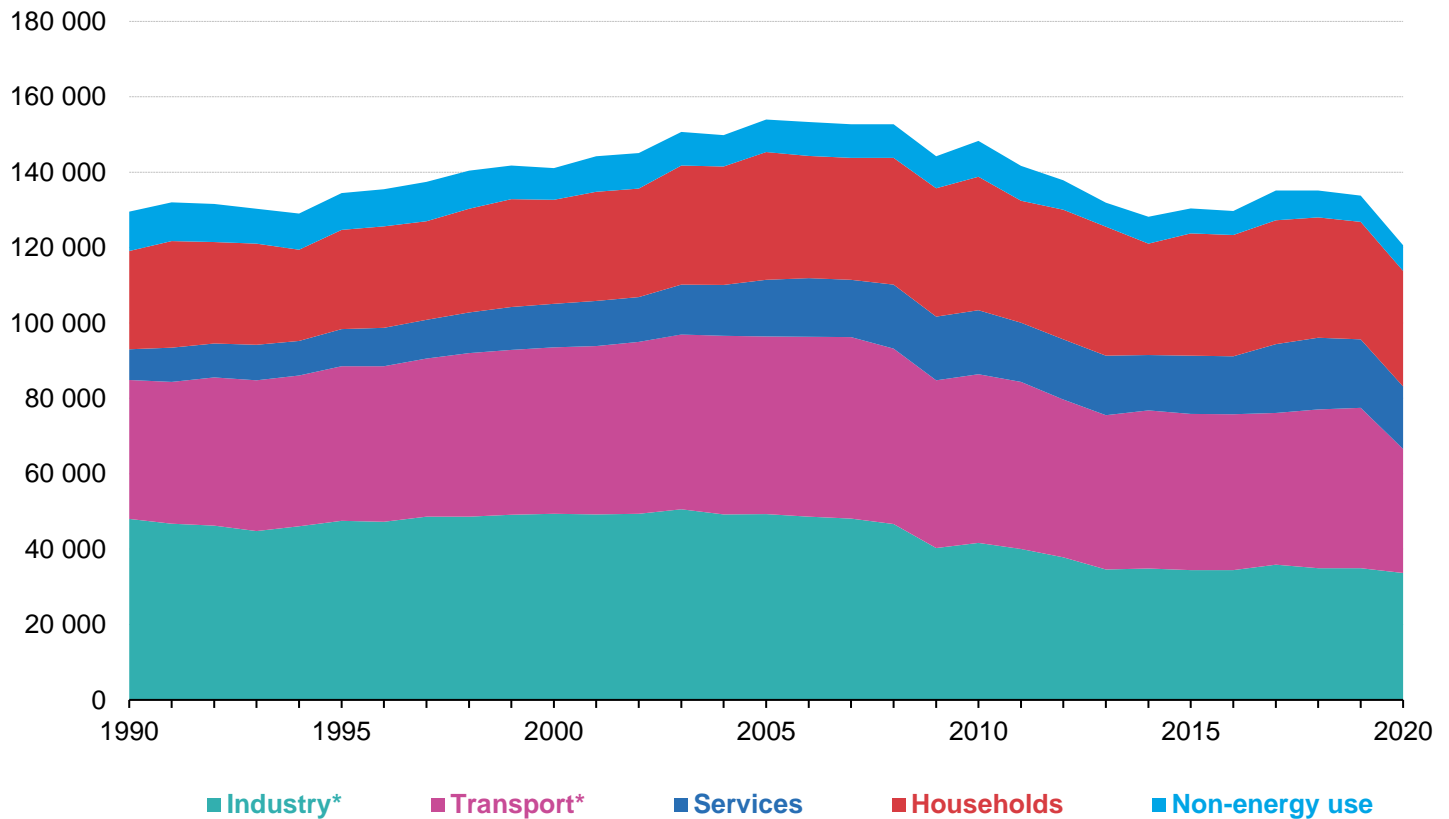
Italy

Final energy consumption by fuel, ktoe



*Other includes peat and peat products, oil shale and oil sands, manufactured gases and non-renewable waste.

Consumption by sector, ktoe



* Industry includes agriculture, forestry, fishing and other non-specified.

* Transport includes international maritime and aviation bunkers.

Italy	ktoe								
	2012	2013	2014	2015	2016	2017	2018	2019	2020
Gross available energy	166 908	160 570	151 759	157 630	156 490	161 815	159 711	158 086	144 035
Solid fossil fuels	15 715	13 536	13 059	12 300	10 983	9 342	8 538	6 480	5 095
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	73 625	62 673	58 970	66 995	64 586	70 108	66 992	67 272	55 650
Petroleum products	61 115	58 516	56 565	58 623	57 043	57 722	57 470	56 683	47 351
Natural gas	61 356	57 387	50 706	55 302	58 080	61 549	59 513	60 949	58 286
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	23 885	26 371	26 512	26 269	26 018	28 821	29 282	29 512	29 345
Non-renewable wastes	1 132	1 138	1 158	1 149	1 183	1 134	1 133	1 182	1 190
Primary production	34 964	36 767	36 694	36 098	33 519	36 667	37 342	36 910	37 673
Solid fossil fuels	51	46	55	51	0	0	0	0	0
Peat	0	0	0	0	0	0	0	0	0
Oil shale and oil sands	0	0	0	0	0	0	0	0	0
Crude oil & other hydrocarbons	5 396	5 501	5 764	5 470	3 746	4 138	4 684	4 279	5 384
Natural gas	7 048	6 335	5 855	5 545	4 738	4 536	4 462	3 931	3 287
Nuclear heat	0	0	0	0	0	0	0	0	0
Renewable energies	21 104	23 500	23 644	23 564	23 569	26 540	26 657	27 088	27 339
Non-renewable wastes	1 132	1 138	1 158	1 149	1 183	1 134	1 133	1 182	1 190
Net imports	132 039	123 216	115 050	121 422	121 520	124 564	121 920	122 492	105 799
Solid fossil fuels	15 187	13 023	12 889	12 318	10 711	9 360	8 622	6 387	4 739
Crude oil	67 932	57 824	53 475	61 748	60 254	65 652	61 551	63 140	50 186
Gas/Diesel Oil (w/o bio)	-8 795	-5 541	-2 371	-6 016	-4 998	-5 241	-3 698	-4 500	-3 177
Motor Gasoline (w/o bio)	-9 653	-7 924	-6 976	-8 439	-8 175	-8 728	-8 544	-8 487	-6 203
Naphtha	-73	572	235	266	602	108	846	-298	270
LPG	1 916	2 086	2 185	2 226	2 282	2 259	2 238	2 394	1 971
All other oil & petroleum products	55 043	53 082	50 080	52 428	51 879	52 824	51 634	52 437	42 008
Natural gas	55 353	50 564	45 471	49 996	53 294	56 820	55 268	57 936	54 117
Transformation input	151 504	133 242	127 106	136 658	134 470	139 367	134 861	138 580	121 213
Electricity & heat generation	58 172	54 589	52 666	54 234	54 863	55 904	53 920	53 787	51 229
Refinery intake	81 739	69 867	66 530	74 724	72 086	75 671	72 413	74 287	60 913
Coke ovens	3 702	2 128	1 690	1 593	1 741	1 668	1 698	1 642	1 187
Blast furnaces	2 945	2 085	2 130	1 495	1 765	1 303	1 259	1 212	956
Transformation output	122 846	108 248	102 972	111 221	108 992	114 138	111 186	115 340	99 347
Electricity & heat generation	30 677	30 087	28 980	29 515	30 262	31 012	30 393	30 794	29 589
Refinery output	82 973	70 968	67 705	75 144	72 538	76 359	73 237	75 007	61 471
Coke ovens	3 551	2 092	1 523	1 459	1 546	1 526	1 604	1 520	1 133
Blast furnaces	788	585	745	546	695	498	470	446	295
Energy sector	8 548	7 443	6 714	7 518	6 836	7 699	7 723	7 635	7 176
Distribution losses	2 264	2 253	1 963	1 980	1 913	1 992	1 929	1 926	1 781
Available for final consumption	121 870	120 700	113 958	117 629	116 754	121 174	119 828	118 663	109 278
Solid fossil fuels	1 096	836	697	576	753	270	391	450	442
Manufactured gases	206	165	280	209	235	159	132	109	95
Peat & peat products	0	0	0	0	0	0	0	0	0
Oil shale & oil sands	0	0	0	0	0	0	0	0	0
Gas/Diesel Oil (w/o bio)	26 672	25 912	26 833	26 151	25 871	24 555	25 504	25 139	21 130
Motor Gasoline (w/o bio)	9 650	8 997	9 232	8 167	7 759	7 657	7 880	7 883	5 954
Naphtha	2 477	1 869	2 455	2 127	2 436	5 144	4 763	3 807	3 372
LPG	3 551	3 699	3 465	3 569	3 525	3 635	3 467	3 596	3 636
All other oil & petroleum products	46 931	46 834	45 892	46 084	45 014	45 391	44 545	43 965	37 765
Natural gas	35 821	35 672	31 412	33 556	33 890	34 577	34 245	33 686	32 461
Primary solid biofuels & charcoal	6 851	6 865	6 001	6 800	6 582	7 173	6 673	6 688	6 463
Liquid biofuels	0	0	0	0	0	0	0	0	0
All other renewable energies	8 588	8 498	7 453	8 365	8 043	11 313	10 960	10 912	10 660
Non-renewable wastes	281	281	272	269	276	245	252	284	313
Electricity	25 515	24 711	24 204	24 719	24 594	25 104	25 200	25 102	23 663
Heat	3 433	3 702	3 747	3 851	3 950	4 114	4 103	4 155	3 879
Statistical difference	-2 569	306	-2 078	-1 085	-1 107	-352	-1 622	-1 497	-583
Final non-energy consumption	7 880	6 339	7 188	6 605	6 306	7 915	7 153	7 040	6 804
Final energy consumption	116 559	114 054	108 848	112 108	111 555	113 611	114 297	113 119	103 057
Industry	26 949	25 354	24 739	24 853	25 089	24 926	24 664	24 928	23 861
Transport	36 349	35 701	37 009	36 374	35 815	34 525	35 579	35 861	28 976
Other sectors	53 262	52 999	47 100	50 880	50 651	54 160	54 054	52 330	50 220
Services	15 931	15 847	14 667	15 391	15 440	18 242	19 002	18 192	16 558
Households	34 348	34 231	29 546	32 494	32 185	32 899	31 906	31 138	30 656
Europe 2020-2030 indicators	2012	2013	2014	2015	2016	2017	2018	2019	2020
Gross inland consumption	164 441	158 391	149 846	155 730	154 278	156 862	154 393	152 934	139 120
Primary energy consumption	156 561	152 052	142 658	149 124	147 971	148 948	147 240	145 894	132 316
Final energy consumption	121 816	118 554	113 310	116 224	115 920	115 186	116 326	115 356	102 738

Italy ktoe 2020	Total	Solid fossil fuels	Manufactured gases	Peat and peat products	Oil shale and oil sands	Oil and petroleum products	Natural gas	Renewables and biofuels	Non- renewable waste	Nuclear heat	Heat	Electricity
+ Primary production	37 672.6	0.0	Z	0.0	0.0	5 856.0	3 287.2	27 339.3	1 190.1	0.0	0.0	Z
+ Recovered & recycled products	0.0	0.0	Z	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z
+ Imports	131 128.0	4 949.0	0.0	0.0	0.0	65 725.4	54 375.9	2 656.4	0.0	Z	0.0	3 421.3
- Exports	25 329.4	209.7	0.0	0.0	0.0	23 717.0	258.4	491.6	0.0	Z	0.0	652.6
+ Change in stock	563.6	355.2	0.0	0.0	0.0	-513.4	881.1	-159.4	0.0	Z	Z	Z
= Gross available energy	144 034.9	5 094.5	0.0	0.0	0.0	47 351.0	58 285.8	29 344.7	1 190.1	0.0	0.0	2 768.7
- International maritime bunkers	2 439.5	0.0	0.0	0.0	0.0	2 439.5	0.0	0.0	Z	Z	Z	Z
= Gross inland consumption	141 595.4	5 094.5	0.0	0.0	0.0	44 911.5	58 285.8	29 344.7	1 190.1	0.0	0.0	2 768.7
- International aviation	1 494.9	Z	Z	Z	Z	1 494.9	Z	0.0	Z	Z	Z	Z
= Total energy supply	140 100.5	5 094.5	0.0	0.0	0.0	43 416.6	58 285.8	29 344.7	1 190.1	0.0	0.0	2 768.7
Transformation input	121 212.6	5 502.5	439.3	0.0	0.0	69 982.4	24 224.9	19 956.5	877.6	0.0	0.0	229.4
+ Electricity & heat generation	51 228.9	3 359.6	439.3	0.0	0.0	3 503.1	24 224.9	18 595.0	877.6	0.0	0.0	229.4
+ Coke ovens	1 186.6	1 186.6	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Blast furnaces	956.4	956.4	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z
+ Refineries & petrochemical industry	66 479.4	Z	Z	Z	Z	66 479.4	Z	Z	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0	Z	Z	Z
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	Z	Z
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z
+ For blended natural gas	82.1	Z	0.0	Z	Z	0.0	Z	82.1	Z	Z	Z	Z
+ Liquid biofuels blended	1 264.7	Z	Z	Z	Z	Z	Z	1 264.7	Z	Z	Z	Z
+ Charcoal production plants	14.7	Z	Z	Z	Z	Z	Z	14.7	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	Z	Z
Transformation output	99 346.6	885.7	542.3	0.0	Z	66 975.7	82.1	1 272.1	Z	Z	5 467.4	24 121.3
+ Electricity & heat generation	29 588.7	Z	Z	Z	Z	Z	Z	Z	Z	Z	5 467.4	24 121.3
+ Coke ovens	1 133.0	885.7	247.3	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Blast furnaces	295.0	0.0	295.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Gas works	0.0	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ Refineries & petrochemical industry	66 975.7	Z	Z	Z	Z	66 975.7	Z	0.0	Z	Z	Z	Z
+ Patent fuel plants	0.0	0.0	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
+ BKB & PB plants	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z	Z	Z
+ Coal liquefaction plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Blended in natural gas	82.1	Z	Z	Z	Z	Z	82.1	Z	Z	Z	Z	Z
+ Liquid biofuels blended	1 264.7	Z	Z	Z	Z	Z	Z	1 264.7	Z	Z	Z	Z
+ Charcoal production plants	7.4	Z	Z	Z	Z	Z	Z	7.4	Z	Z	Z	Z
+ Gas-to-liquids plants	0.0	Z	Z	Z	Z	0.0	Z	Z	Z	Z	Z	Z
+ Not elsewhere specified	0.0	0.0	0.0	0.0	Z	0.0	Z	Z	Z	Z	Z	Z
Energy sector	7 175.6	35.5	7.9	0.0	0.0	2 644.7	1 458.2	0.0	0.0	Z	1 524.9	1 504.5
+ Own use in electricity & heat genera	774.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	11.1	763.8
+ Coal mines	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	19.0
+ Oil & natural gas extraction plants	273.3	Z	Z	Z	Z	0.0	261.9	0.0	Z	Z	0.5	10.9
+ Patent fuel plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Coke ovens	54.2	35.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	Z	7.6	3.2
+ BKB & PB plants	0.0	0.0	0.0	0.0	0.0	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas works	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Blast furnaces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	0.0	0.0
+ Petroleum refineries (oil refineries)	5 152.0	0.0	0.0	0.0	0.0	2 644.7	1 095.3	0.0	0.0	Z	950.9	461.1
+ Nuclear industry	0.1	Z	Z	Z	Z	Z	Z	Z	Z	Z	0.0	0.1
+ Coal liquefaction plants	0.0	0.0	0.0	0.0	0.0	Z	Z	Z	Z	Z	0.0	0.0
+ Liquefaction & regasification plants (101.0	Z	Z	Z	Z	Z	101.0	Z	Z	Z	0.0	0.0
+ Gasification plants for biogas	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Gas-to-liquids (GTL) plants	0.0	Z	Z	Z	Z	Z	0.0	Z	Z	Z	0.0	0.0
+ Charcoal production plants	0.0	Z	Z	Z	Z	Z	Z	0.0	0.0	Z	0.0	0.0
+ Not elsewhere specified (energy)	801.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	554.7	246.4
Distribution losses	1 781.1	0.0	0.0	0.0	0.0	0.0	224.3	0.0	0.0	Z	63.6	1 493.2
Available for final consumption	109 277.8	442.2	95.2	0.0	0.0	37 765.2	32 460.5	10 660.3	312.5	0.0	3 879.0	23 663.0
Final non-energy consumption	6 803.8	33.1	0.0	0.0	0.0	6 117.4	653.3	0.0	Z	Z	Z	Z
Final energy consumption	103 057.1	409.4	95.2	0.0	0.0	32 230.6	31 807.2	10 660.3	312.5	Z	3 879.0	23 663.0
+ Industry	23 861.1	409.4	95.2	0.0	0.0	1 753.9	8 081.3	435.1	312.5	Z	2 687.3	10 086.4
+ Iron & steel	3 166.6	240.6	95.2	0.0	0.0	80.1	1 188.2	0.0	0.0	Z	135.8	1 426.7
+ Chemical & petrochemical	3 410.5	0.0	0.0	0.0	0.0	246.9	908.7	6.8	80.0	Z	978.7	1 189.4
+ Non-ferrous metals	662.6	14.0	0.0	0.0	0.0	48.8	387.9	0.0	0.0	Z	1.0	210.9
+ Non-metallic minerals	4 219.5	147.2	0.0	0.0	0.0	955.1	1 864.2	188.9	173.2	Z	149.9	741.0
+ Transport equipment	433.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z	100.3	333.7
+ Machinery	3 278.3	0.0	0.0	0.0	0.0	196.7	1 231.5	3.0	2.7	Z	82.2	1 762.1
+ Mining & quarrying	95.7	0.0	0.0	0.0	0.0	13.4	32.7	0.0	0.0	Z	1.7	47.9
+ Food, beverages & tobacco	2 764.3	0.0	0.0	0.0	0.0	93.0	1 053.0	33.4	0.0	Z	353.2	1 231.8
+ Paper, pulp & printing	2 040.5	0.0	0.0	0.0	0.0	62.3	603.7	0.4	0.0	Z	622.8	751.2
+ Wood & wood products	481.6	0.0	0.0	0.0	0.0	0.0	27.4	140.4	3.8	Z	28.9	281.2
+ Construction	376.1	0.0	0.0	0.0	0.0	6.0	205.8	1.7	0.0	Z	5.1	157.5
+ Textile & leather	996.9	7.6	0.0	0.0	0.0	35.0	556.3	0.2	0.0	Z	12.3	385.6
+ Not elsewhere specified (industry)	1 934.5	0.0	0.0	0.0	0.0	16.6	22.0	60.4	52.7	Z	215.4	1 567.4
+ Transport	28 976.5	0.0	0.0	0.0	0.0	25 874.9	967.2	1 264.7	0.0	Z	Z	869.7
+ Rail	443.4	0.0	0.0	0.0	0.0	44.1	Z	0.0	0.0	Z	Z	399.2
+ Road	26 982.9	Z	Z	Z	Z	24 929.4	772.4	1 264.7	0.0	Z	Z	16.4
+ Domestic aviation	344.2	Z	Z	Z	Z	344.2	Z	0.0	Z	Z	Z	Z
+ Domestic navigation	557.2	0.0	0.0	0.0	0.0	557.2	Z	0.0	0.0	Z	Z	Z
+ Pipeline transport	216.6	Z	Z	Z	Z	0.0	192.2	0.0	Z	Z	Z	24.4
+ Not elsewhere specified (transport)	432.3	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	Z	Z	429.6
+ Other	50 219.6	0.0	0.0	0.0	0.0	4 601.9	22 758.7	8 960.4	0.0	Z	1 191.7	12 706.9
+ Commercial & public services	16 557.6	0.0	0.0	0.0	0.0	513.8	6 690.2	2 589.6	0.0	Z	292.9	6 471.1
+ Households	30 656.0	0.0	0.0	0.0	0.0	1 871.3	15 932.6	6 289.3	0.0	Z	869.6	5 693.2
+ Agriculture & forestry	2 758.9	0.0	0.0	0.0	0.0	2 027.4	135.9	52.6	0.0	Z	14.4	528.6
+ Fishing	202.3	0.0	0.0	0.0	0.0	159.3	0.0	28.9	0.0	Z	0.0	14.0
+ Not elsewhere specified (other)	44.9	0.0	0.0	0.0	0.0	30.1	0.0	0.0	0.0	Z	14.7	0.0
Statistical differences	-583.1	-0.3	0.0	0.0	0.0	-582.9	0.0	0.0	0.0	0.0	0.0	0.0
Gross electricity production	24 078.2	1 150.4	143.0	0.0	0.0	863.6	11 494.7	10 220.0	206.6	0.0	Z	Z
Gross heat production	5 467.4	22.5	70.7	0.0	0.0	753.0	3 495.2	986.2	139.9	0.0	Z	0.0