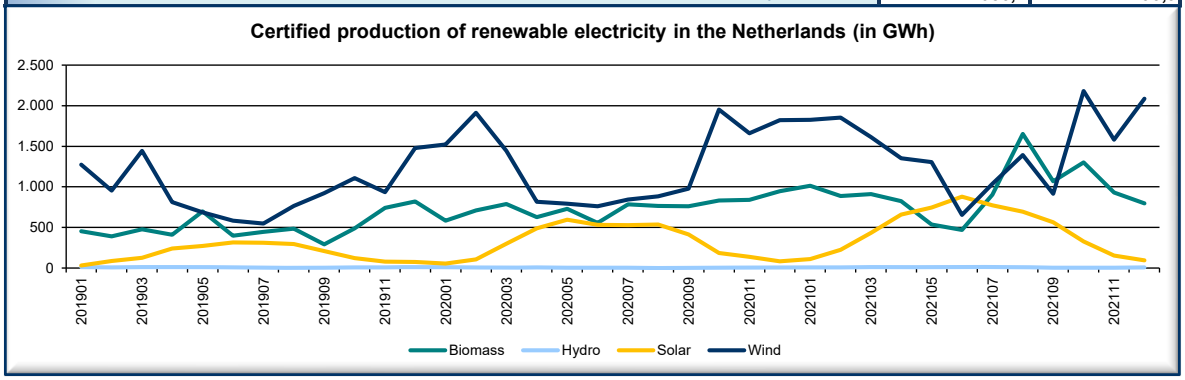
CertiQ statistics Jan 2022

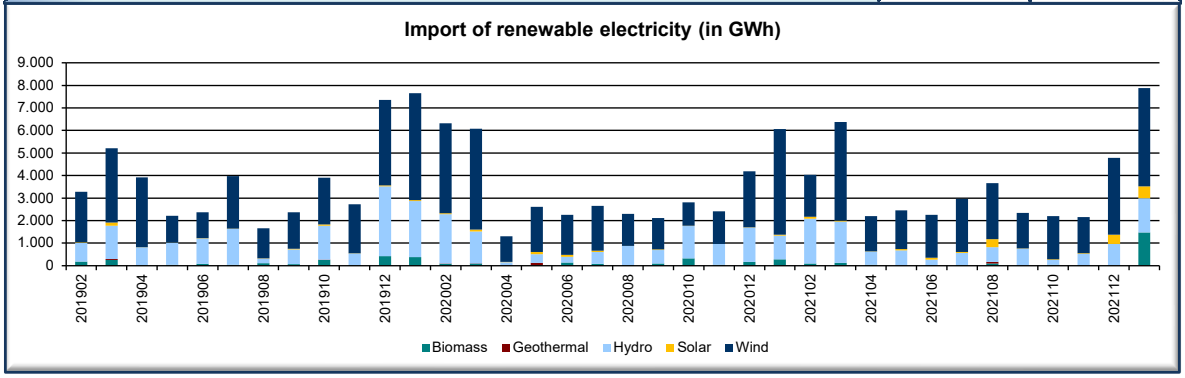
Renewable electricity

Guarantees of Origin

Production of renewable electricity in the Netherlands (Based on issued Guarantees of Origin; in GWh)	Dec-2021	Last 12 months
Total	2.979,8	34.801,7
Biomass	795,0	11.287,4
Hydro	5,1	88,4
Solar	94,4	5.631,9
Wind	2.085,2	17.793,9



Imports of foreign Guarantees of Origin for renewable electricity (In GWh)	Jan-2022	Last 12 months
Total	7.881,3	43.307,1
Biomass	1.469,1	1.908,9
Geothermal	0,0	72,2
Hydro	1.528,3	10.498,7
Solar	520,6	1.674,9
Wind	4.363,2	29.152,4

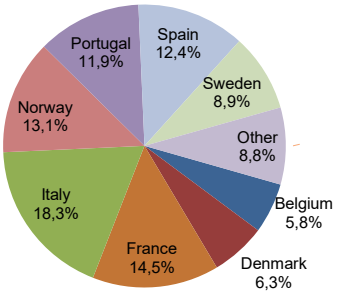


Originating countries* of imports January 2022 (In GWh)	Biomass	Geothermal	Hydro	Solar	Wind	Total
Total	**1.469,1**	**0,0**	**1.528,3**	**520,6**	**4.363,2**	**7.881,3**
Belgium	13,0	0,0	0,4	0,0	267,3	**280,8**
Denmark	480,0	0,0	0,0	0,0	637,5	**1.117,5**
Germany	8,9	0,0	0,0	0,0	27,7	**36,6**
Estonia	0,0	0,0	0,0	0,0	43,4	**43,4**
Finland	24,9	0,0	140,0	0,0	63,0	**227,9**
France	646,0	0,0	51,0	69,9	664,9	**1.431,8**
Ireland	0,0	0,0	0,0	0,0	33,1	**33,1**
Iceland	0,0	0,0	86,3	0,0	0,0	**86,3**
Italy	191,9	0,0	316,5	55,0	942,5	**1.505,9**
Croatia	0,0	0,0	8,7	0,0	82,5	**91,2**
Latvia	42,3	0,0	34,3	0,0	0,0	**76,6**
Lithuania	0,0	0,0	0,0	0,0	0,0	**0,0**
Luxembourg	0,0	0,0	0,0	0,0	0,0	**0,0**
Norway	8,7	0,0	484,1	0,0	299,9	**792,6**
Austria	0,0	0,0	0,0	0,0	0,0	**0,0**
Portugal	20,8	0,0	79,8	4,7	625,8	**731,2**
Slovenia	0,0	0,0	55,1	0,0	0,0	**55,1**
Spain	0,0	0,0	26,0	378,8	406,1	**810,9**
Czech Republic	32,6	0,0	5,2	12,2	1,2	**51,3**
Sweden	0,0	0,0	240,9	0,0	268,3	**509,2**

* I.e. the countries where the electricity was originally produced to which the imported Guarantees of Origin relate.

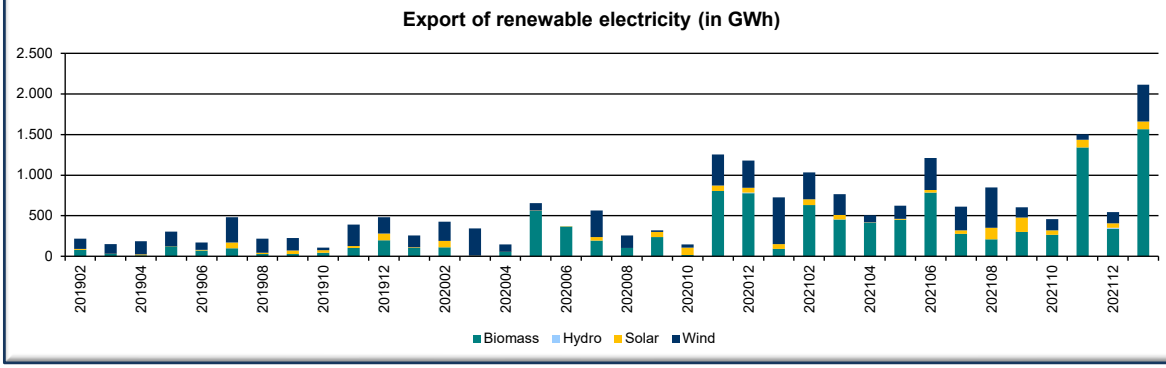
Guarantees of Origin

Originating countries of imports during the last 12 months



Exports of Dutch Guarantees of Origin for renewable electricity

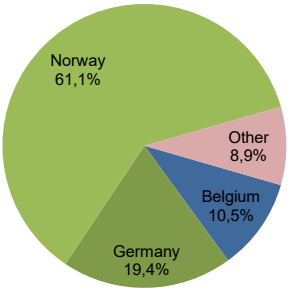
(In GWh)	Jan-2022	Last 12 months
Total	2.115,5	10.835,1
Biomass	1.568,8	7.038,8
Hydro	0,0	14,1
Solar	92,3	829,4
Wind	454,4	2.952,8



Destination countries of exports January 2022

(In GWh)	Biomass	Hydro	Solar	Wind	Total
Total	1.568,8	0,0	92,3	454,4	2.115,5
Austria	0,0	0,0	0,0	0,0	0,0
Belgium	3,9	0,0	5,0	15,0	23,9
Denmark	3,5	0,0	4,5	0,0	8,1
Estonia	2,6	0,0	0,0	0,0	2,6
Germany	0,0	0,0	45,8	202,1	247,8
Finland	0,0	0,0	0,0	0,0	0,0
France	0,0	0,0	0,0	0,0	0,0
Italy	180,0	0,0	0,0	0,0	180,0
Luxembourg	0,0	0,0	0,0	0,0	0,0
Norway	1.378,8	0,0	37,0	237,3	1.653,2
Portugal	0,0	0,0	0,0	0,0	0,0
Czech Republic	0,0	0,0	0,0	0,0	0,0
Sweden	0,0	0,0	0,0	0,0	0,0

Destination countries of exports during the last 12 months



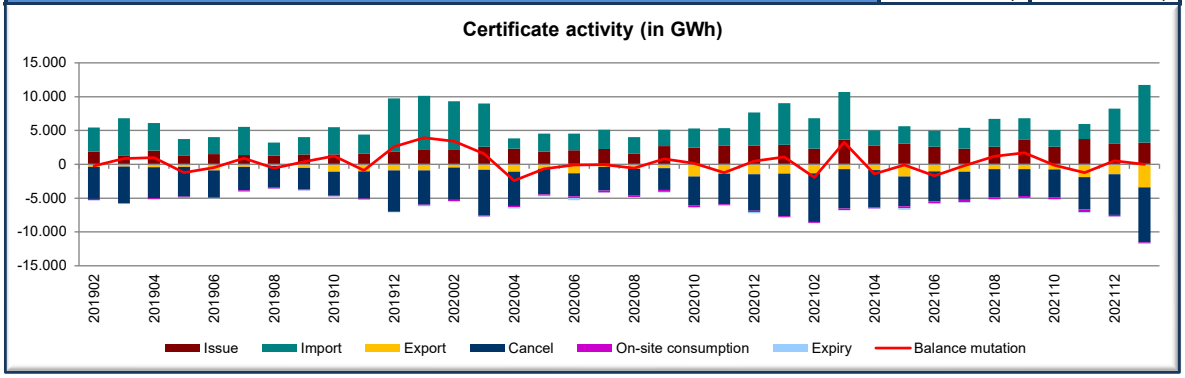
Guarantees of Origin

Cancelled Guarantees of Origin for renewable electricity		Jan-2022	Last 12 months
(In GWh)	Total	8.112,4	62.686,1

Originating countries** of cancelled Guarantees of Origin for renewable electricity January 2022		Biomass	Geothermal	Hydro	Solar	Wind	Total
(In GWh)	**Total**	**1.478,3**	**0,0**	**518,3**	**422,4**	**5.693,3**	**8.112,4**
	Belgium	13,3	0,0	2,6	0,0	180,2	**196,1**
	Denmark	480,0	0,0	0,0	0,0	306,9	**786,9**
	Germany	0,0	0,0	0,0	0,0	27,3	**27,3**
	Estonia	0,0	0,0	0,0	0,0	7,3	**7,3**
	Finland	24,9	0,0	0,0	0,0	36,7	**61,5**
	France	77,5	0,0	12,2	53,5	640,1	**783,3**
	Ireland	0,0	0,0	0,0	0,0	0,0	**0,0**
	Iceland	0,0	0,0	0,0	0,0	0,0	**0,0**
	Italy	11,3	0,0	87,5	41,2	859,8	**999,8**
	Croatia	0,0	0,0	8,7	0,0	25,4	**34,2**
	Latvia	17,2	0,0	0,0	0,0	0,0	**17,2**
	Lithuania	0,0	0,0	8,0	0,0	0,0	**8,0**
	Luxembourg	0,0	0,0	0,0	0,0	16,6	**16,6**
	Netherlands	853,2	0,0	15,8	293,3	2.336,3	**3.498,6**
	Norway	0,0	0,0	125,0	0,0	113,3	**238,3**
	Austria	0,0	0,0	0,0	0,0	0,0	**0,1**
	Portugal	0,3	0,0	81,8	2,0	388,4	**472,5**
	Slovenia	0,0	0,0	32,7	0,0	0,0	**32,7**
	Spain	0,0	0,0	3,7	27,2	675,6	**706,5**
	Czech Republic	0,7	0,0	8,1	5,2	1,6	**15,6**
	Sweden	0,0	0,0	132,2	0,0	77,8	**210,0**

** I.e. the countries where the electricity was originally produced to which the cancelled Guarantees of Origin relate.

Certificate activity (in GWh)	Jan-2022	Last 12 months
Issued certificates	**3.206,0**	**35.673,2**
Imported certificates	**8.529,3**	**47.415,4**
Increase of certificate balance	**11.735,3**	**83.088,6**
Exported certificates	**3.434,4**	**15.821,7**
Cancelled certificates	**8.112,4**	**62.686,1**
Certificates for on-site consumption (not tradable)	**155,7**	**3.101,1**
Expired certificates	**33,9**	**882,4**
Decrease of certificate balance	**11.736,4**	**82.491,2**
Increase of certificate balance	**11.735,3**	**83.088,6**
Decrease of certificate balance	**11.736,4**	**82.491,2**
Mutation in valid certificate balance	**-1,1**	**597,4**



Certificate balance for guarantees of origin for renewable electricity***		Per 01-02-2022
(In GWh)	**Total**	**21.560,3**
	Biomass	**4.592,2**
	Geothermal	**0,0**
	Hydro	**1.788,5**
	Solar	**2.858,7**
	Wind	**12.321,0**

*** The numbers shown form a snapshot taken on the referenced date. In reality, the certificate balance is subject to constant change.

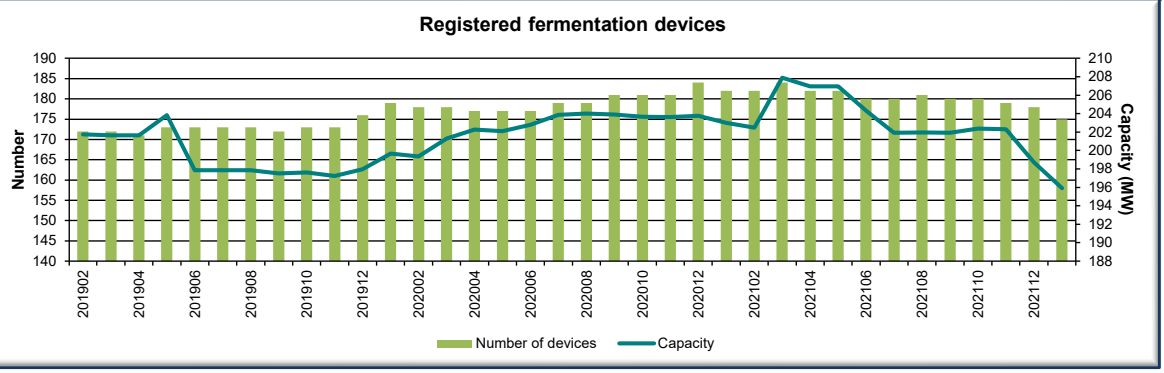
Production devices electricity

Production devices

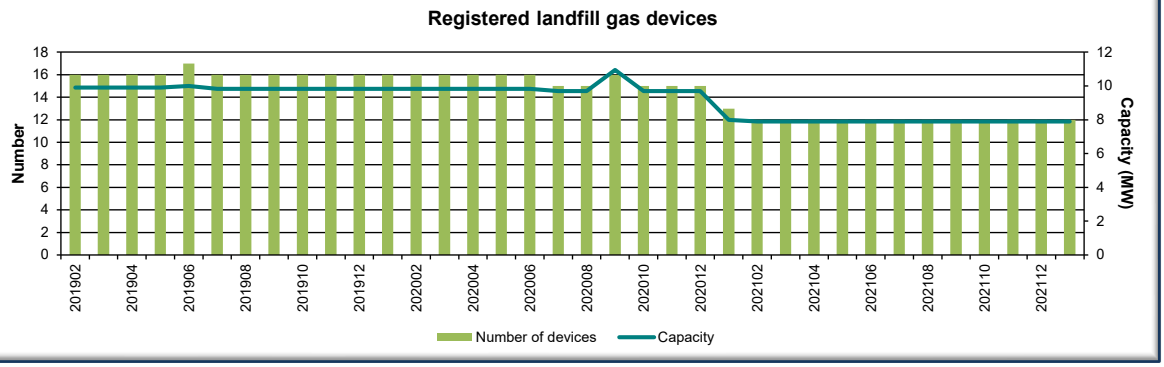
Per 01-02-2022

	Number	Capacity (MW)
Total	**32.619**	**20.588,9**
Biomass	258	5.308,0
Of which:		
Fermentation devices	175	195,9
Landfill gas devices	12	7,9
Waste incineration devices	16	797,2
Co-firing devices	5	3.991,0
Other biomass	50	315,9
Hydro	18	37,0
Solar	30.774	7.584,5
Wind	1.569	7.659,3

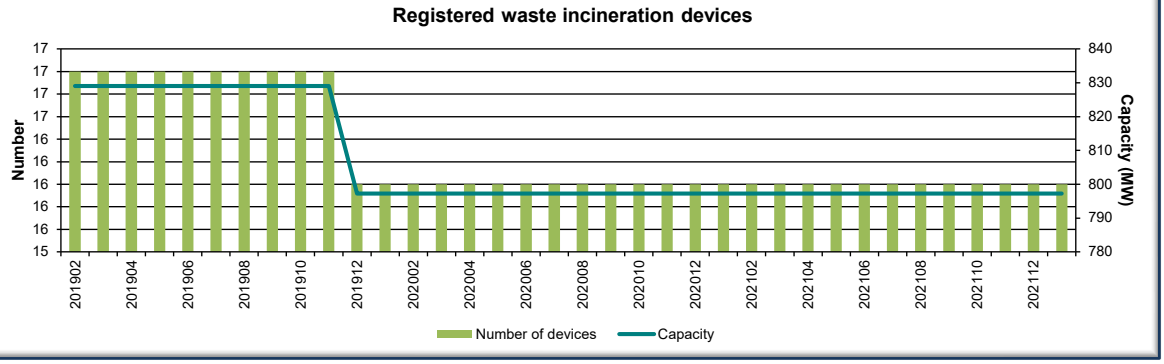
Number and registered capacity of fermentation devices



Number and registered capacity of landfill gas devices

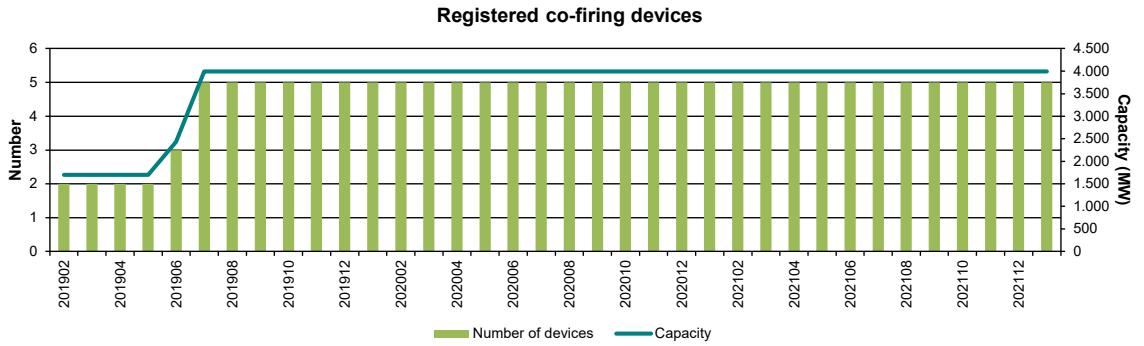


Number and registered capacity of waste incineration devices

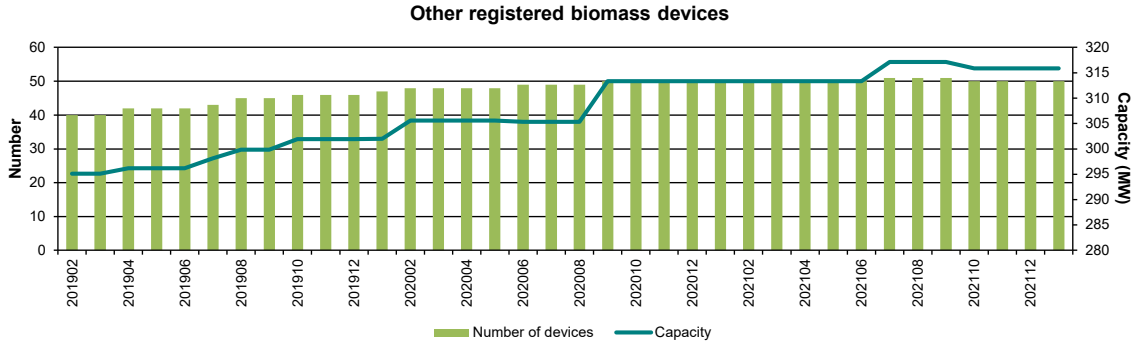


Production devices electricity

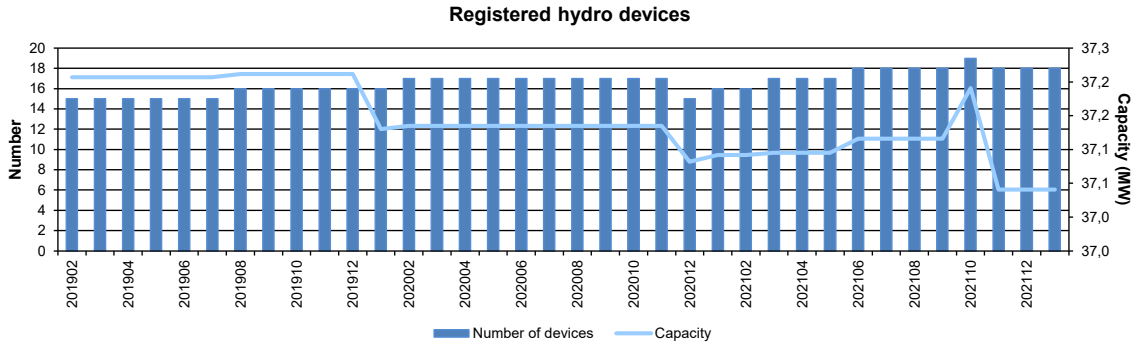
Number and registered capacity of co-firing devices



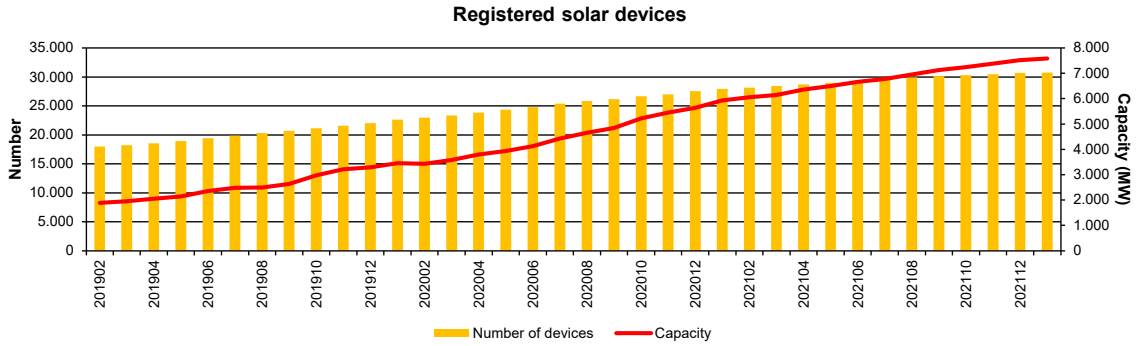
Number and registered capacity of other biomass devices



Nunber and registered capacity of hydro devices

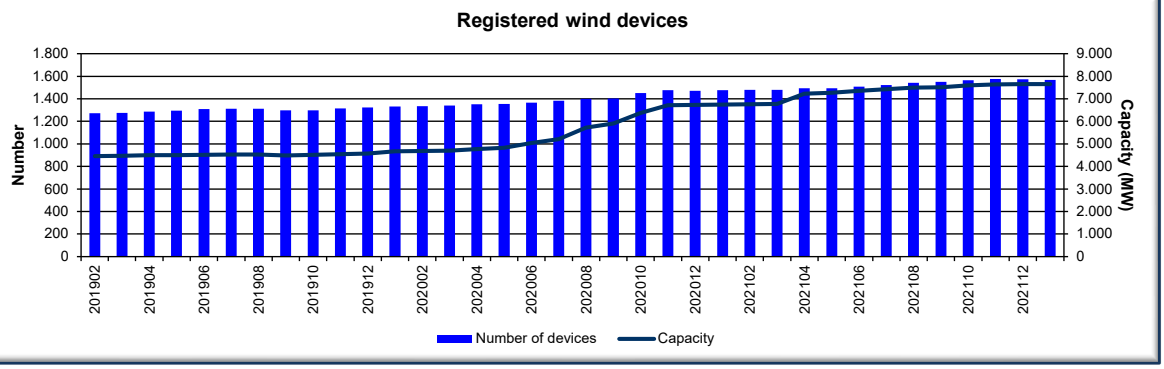


Number and registered capacity of solar devices



Production devices electricity

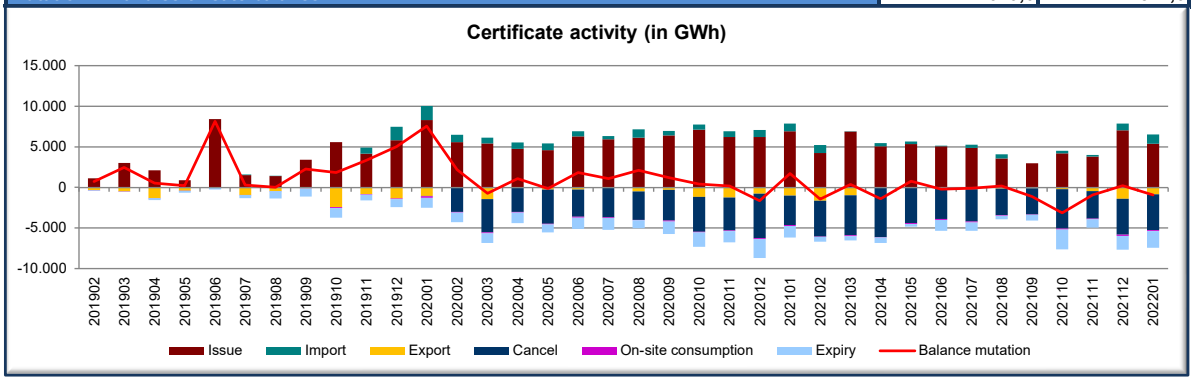
Number and registered capacity of wind devices



Non-renewable electricity

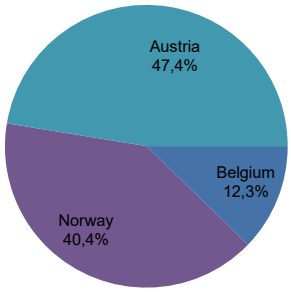
Certificates for non-renewable electricity

Certificate activity (in GWh)	Jan-2022	Last 12 months
Issued certificates	**5.387,6**	**58.444,3**
Of which:		
Natural gas	4.096,5	42.581,2
Municipal waste	115,2	1.178,0
Hard coal	598,5	8.275,9
Nuclear	358,3	3.616,4
Other	218,9	2.792,8
Imported certificates	**1.129,3**	**5.144,6**
Increase of certificate balance	**6.516,9**	**63.588,8**
Exported certificates	**858,8**	**6.157,9**
Cancelled certificates	**4.429,9**	**51.309,4**
Certificates for on-site consumption (not tradable)	**121,8**	**1.114,2**
Expired certificates	**2.035,9**	**12.828,9**
Decrease of certificate balance	**7.446,4**	**71.410,5**
Increase of certificate balance	**6.516,9**	**63.588,8**
Decrease of certificate balance	**7.446,4**	**71.410,5**
Mutation in valid certificate balance	**-929,6**	**-7.821,6**



Exports of Dutch certificates for non-renewable electricity		Jan-2022	Last 12 months
(In GWh)	**Total**	**858,8**	**6.156,8**
	Belgium	**79,3**	**754,3**
	Estonia	**0,0**	**0,0**
	Norway	**300,0**	**2.484,3**
	Austria	**479,5**	**2.918,2**
	Sweden	**0,0**	**0,0**

Destination countries of exports during the last 12 months

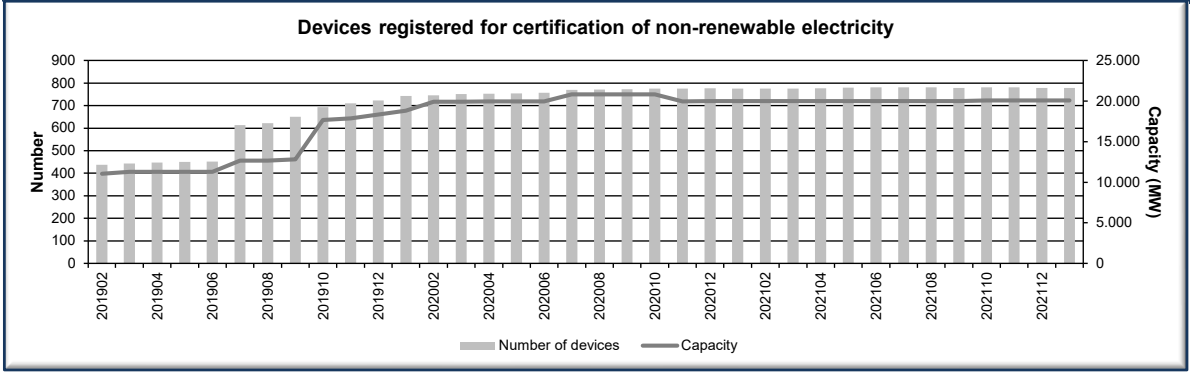


Certificate balance for certificates for non-renewable electricity ***		Per 01-02-2022
(In GWh)	**Total**	**34.819,2**
	Natural gas	**25.932,3**
	Municipal waste	**876,0**
	Hard coal	**4.642,3**
	Fossil other	**644,5**
	Nuclear	**2.724,2**

Production devices

Production devices with certification of non-renewable electricity	Per 01-02-2022	
	Number	Capacity (MW)
	778	20.084,0

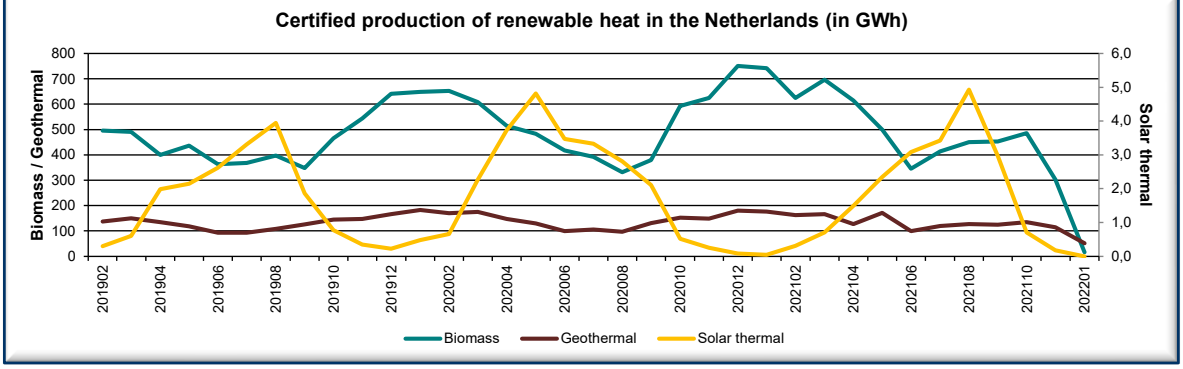
Number and registered capacity of production devices with certification of non-renewable electricity



Renewable heat

Guarantees of Origin for heat

Production of renewable heat in the Netherlands	Last 12 months
(Based on issued Guarantees of Origin; in GWh)	
Total	**7.237,7**
Biomass	**5.644,0**
Geothermal	**1.573,5**
Solar thermal	**20,2**

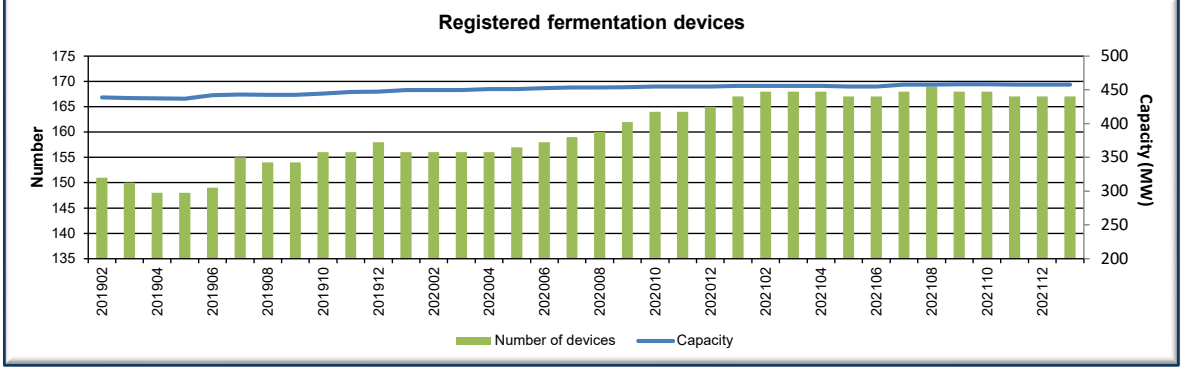


CertiQ determines production volumes for renewable heat based on measurement reports which are approved by officially recognised metering companies, and submitted by the relevant producer. For smaller production devices (≤3 MWth) such reports are submitted retrospectively in April of each year, whereas for larger devices such reports are submitted monthly. Therefore, for the current year the chart above always only shows the total of production volumes that CertiQ has collected and verified.

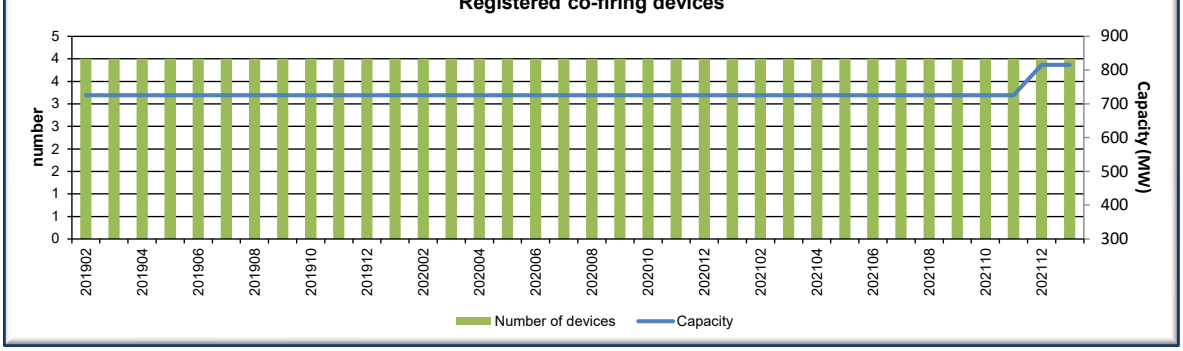
Production devices for heat

Production devices for heat	As per 01-02-2022	
	Number	Capacity (MW)
Total	**493**	**3.625,4**
Biomass	422	3.039,7
Of which:		
Fermentation devices	167	458,0
Co-firing devices	4	815,5
Other biosmass	251	1.766,2
Geothermie	24	533,5
Zon	47	52,2

Number and registered capacity of fermentation devices

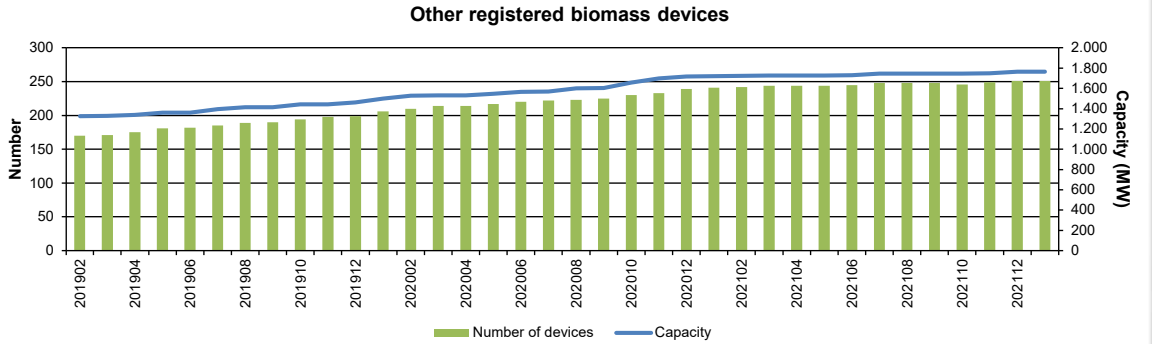


Number and registered capacity of co-firing devices

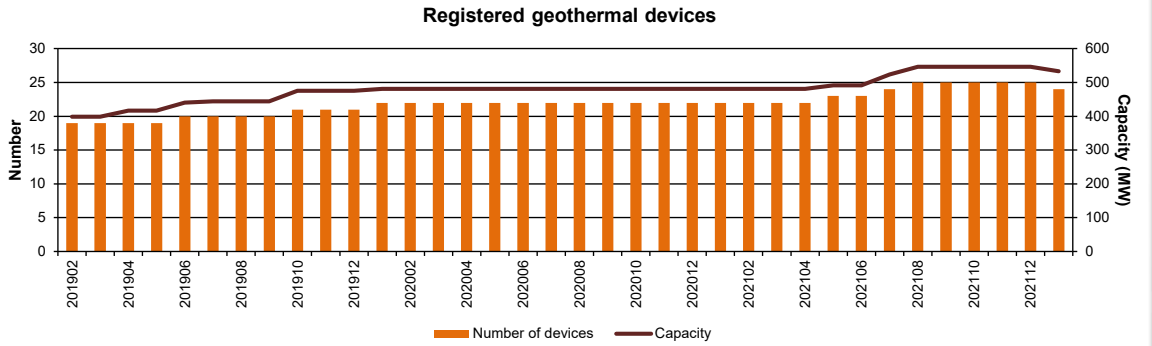


Production devices for heat

Number and registered capacity of other biomass devices



Number of and registered capacity of geothermal devices



Number of and registered capacity of solar thermal devices