

## Number of freight trains crossing the RFC RALP borders 2020

The WG I&T is asked to deliver information on the number of freight trains that monthly pass the RFC RALP borders. In this memo the results are shown. The information about this traffic development is delivered by CH, BE and NL, and shows the requested development on freight trains crossing the borders of the RFC RALP.

The information is presented as follows:

- For each border crossing the development in monthly freight train numbers over the years is shown in a way that reflects yearly patterns.
- Also the moving annual total is shown for each border crossing. Meaning that for each month the total of trains that passed the border during the previous 12 months is shown. The December values are always shown in red. They represent the yearly totals of 2016, 2017, 2018, 2019 and 2020. Based on these, the growth rates in 2016, 2017, 2018, 2019 and 2020 are calculated.
- For the border crossings CH – IT and NL – DE also the sum of the crossings for all border stations is shown.

### Border crossings NL – DE

In general, at the Dutch border points, compared to 2019, there was a decrease of traffic of - 4,0%. The decrease is mainly due to the Covid-19 crisis. The good news is that, whereas there was a decrease of - 7,5% in the volumes during the first 9 months, the last quarter of the year showed an increase of the volumes by 7%, compared to 2019.

### Border crossing BE – DE

In Belgium, in 2020 traffic at the Montzen border point decreased by - 6,7% compared to 2019. The first quarter of the year showed a status quo of the volumes, compared to the same period last year. During Q2 and Q3 volumes fell by - 13,7%. The last quarter of the year showed a recovery, as the volume of trains rose by 0,5% compared to last year. Obviously, the COVID-19 crisis was the main reason for the overall drop in volumes during 2020.

### Border crossing DE – CH

Compared to 2019, traffic at the Basel border point traffic decreased by - 8,8% in 2020.

During the first quarter of the year, the decrease in volumes was limited to - 2%. In quarters 2 & 3, the decrease amounted to - 14,8%. Again the Covid-19 crisis was the main reason for this slump. Quarter 4 showed a recovery, as the decrease in volumes was reduced to - 3,5%. December showed an increase in volume of 2,4%, compared to December 2019.

The decline in April 2020 in Basel can be explained by the train accident in Auggen (D). The "Rheintalbahn" between Freiburg and Basel was interrupted for a week, freight trains were rerouted, and trains on the "Rollende Landstrasse" were completely cancelled.

Reduced supply due to Covid-19: The supply of the "Rollende Landstrasse " was reduced by up to 50% between April and September.

### **Border crossings CH – IT**

In 2020, in Italy, the overall evolution, compared to 2019 was a decrease in traffic of - 9,51%.

During quarter 1 the decrease in volume amounted to – 6,4%. The decrease grew to – 15,2% during quarters 2 &3, showing the impact of the COVID-19 crisis. Quarter 4 showed a recovery, as the decrease was limited to 1%. Also at the Swiss-Italian border points traffic showed an increase in volume in December, as compared to last year: 5,5%.

During the 16.08. and 06.09.2020 the Simplon-Line between Brig and Domodossola was closed totally, due to planned construction works. The "Rollende Landstrasse" (Freiburg – Novara) were cancelled. Some freight trains were rerouted via Gotthard, many of them cancelled because SIM/4m-Profil at the Gotthard-Line not yet finished.

Reduced supply due to Covid-19: The supply of the "Rollende Landstrasse " was reduced by up to 50% between April and September.

Construction works led to a reduction of the volume of trains and to a rerouting via Chiasso and Luino:

- single track circulation (14/6 - 26/ 9) between Sesto C. and Somma L. (Vergiate)
- Interruption on the Arona - Domodossola line from 16/8 to 6/9
- Domodossola / Domo II stations closed for about a month between August and September.

Also the increased towed mass over 1600 tons led to limitations on capacity available, due to energy absorption (eg Luino line minimum 30 minutes between two trains).

### **General evolution 2020 vs 2019**

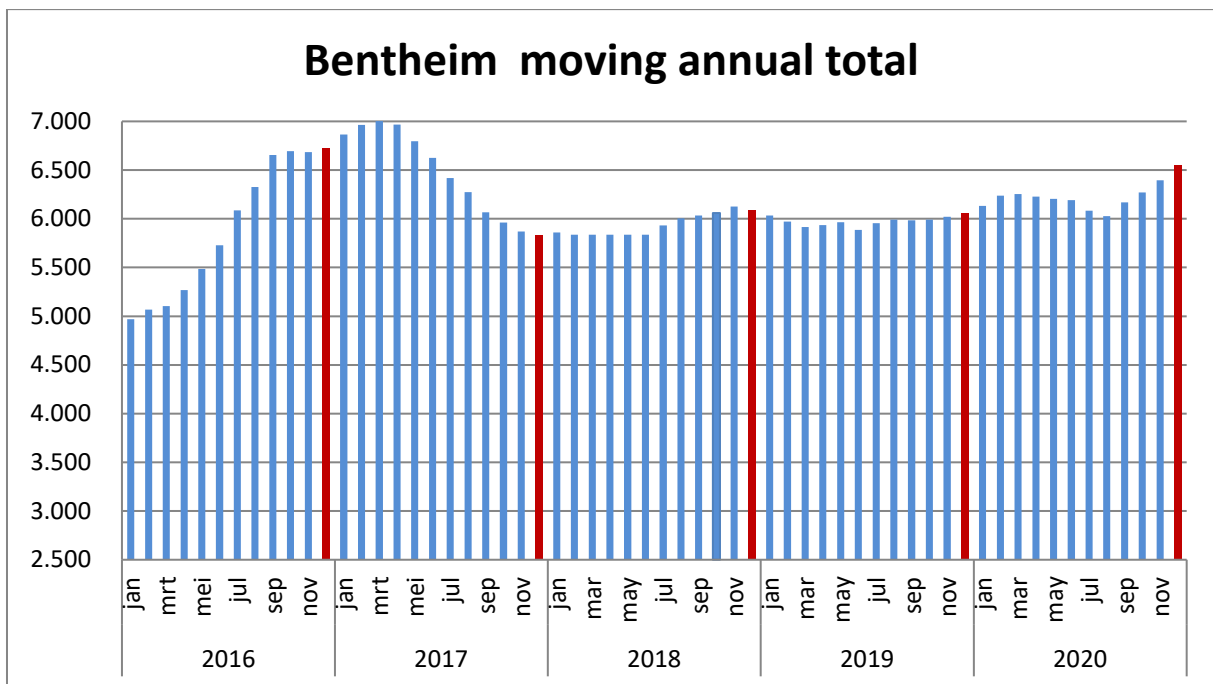
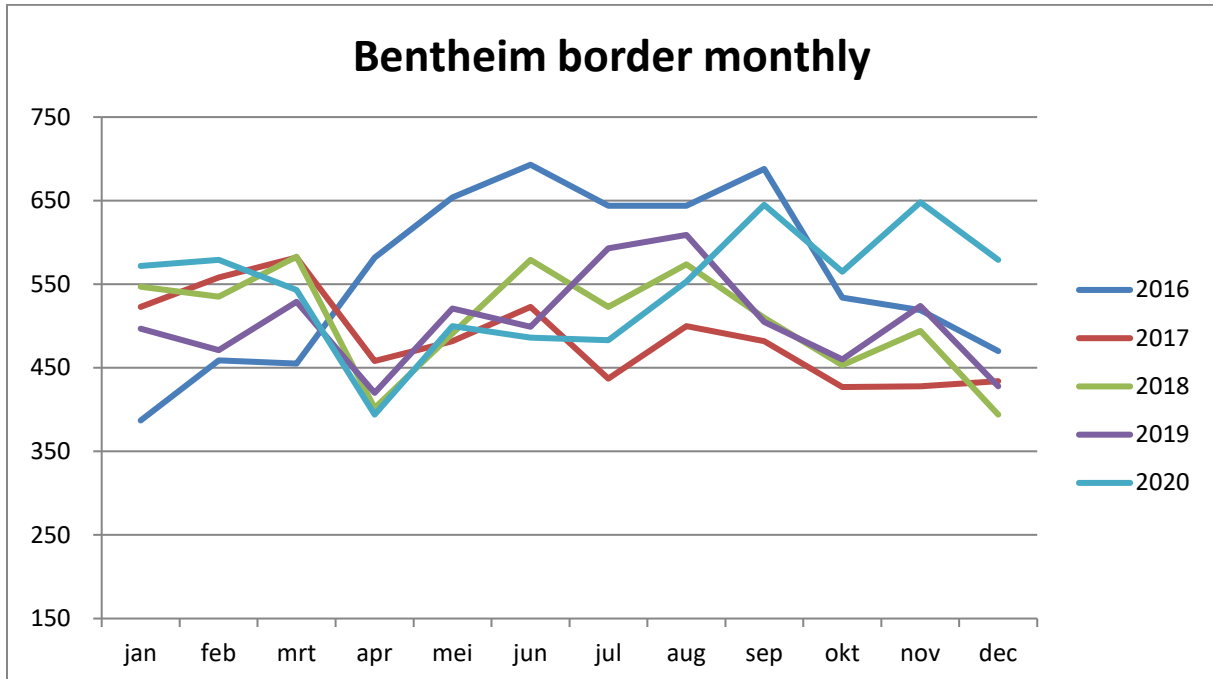
The general evolution in 2020 for the entire corridor, compared to 2019 was a decrease in traffic of -7,4%.

Whereas during quarter 1 the decrease was limited to – 4%, the decrease grew significantly to -13,6% during quarters 2 & 3. The main reason for this decrease is the COVID-19 crisis. Quarter 4 showed a recovery, as volumes increased by 0,6%.

Border crossing	Total NL - DE	growth	Total BE - DE	growth	Total DE - CH	growth	Total CH - IT	growth
2016	43.827	1,20%	22.032	-0,50%	54.925	2,20%	48.128	3,10%
2017	42.871	-2,20%	22.925	4,00%	51.450	-6,30%	46.219	-4,00%
2018	43.266	0,90%	23.852	4,00%	53.753	4,50%	47.125	2,00%
2019	45.367	4,9%	23.268	-2,40%	51.938	-3,50%	47.182	0,10%
2020	43.572	-4,00%	21.698	-6,70%	47.387	-8,80%	42.719	-9,50%

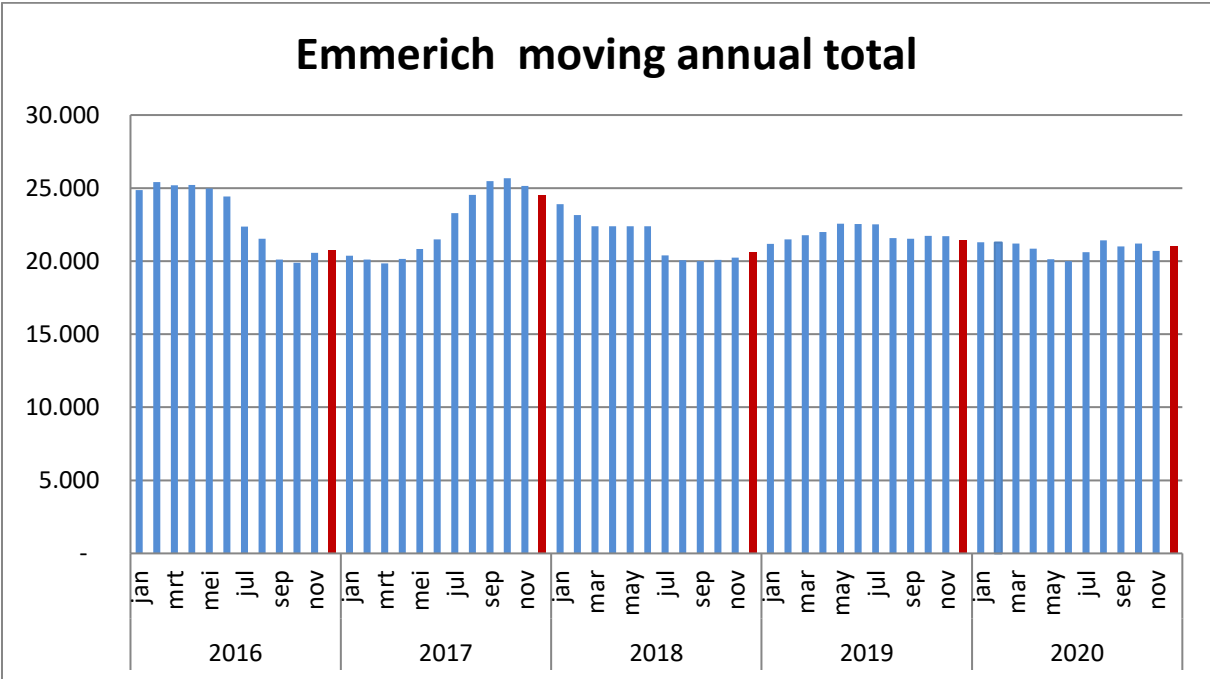
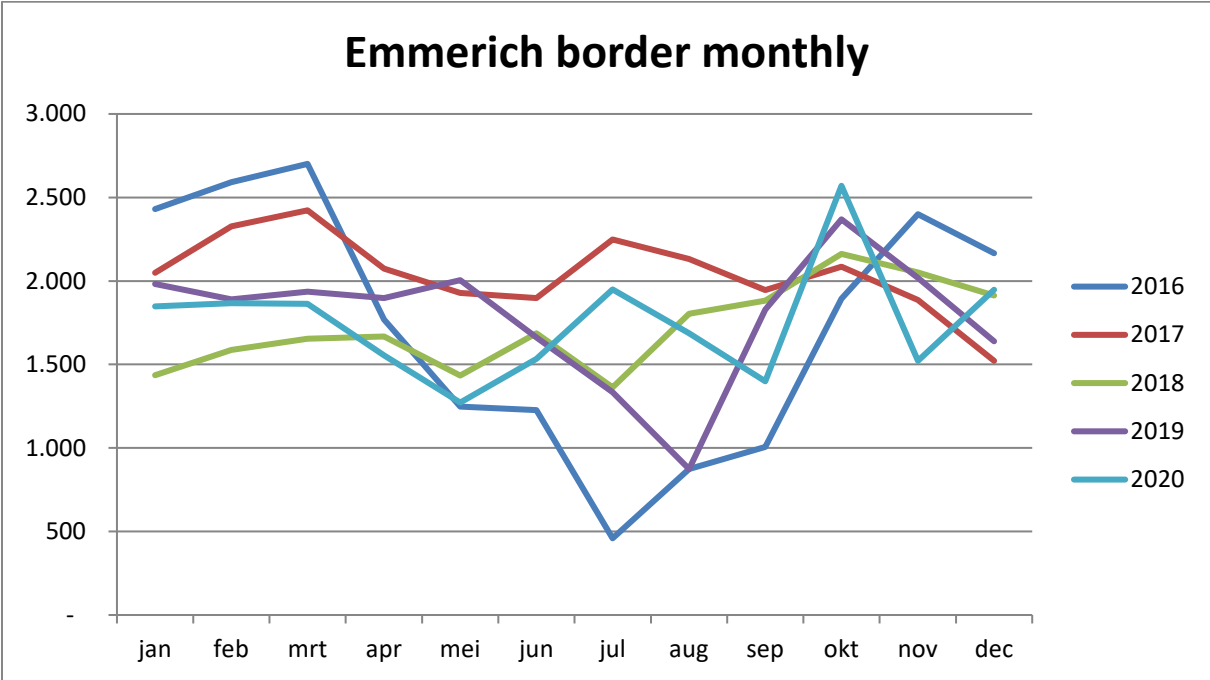
## Annex 1: Border crossings NL – DE

Development at Bentheim Border (X = month / Y = number of trans)



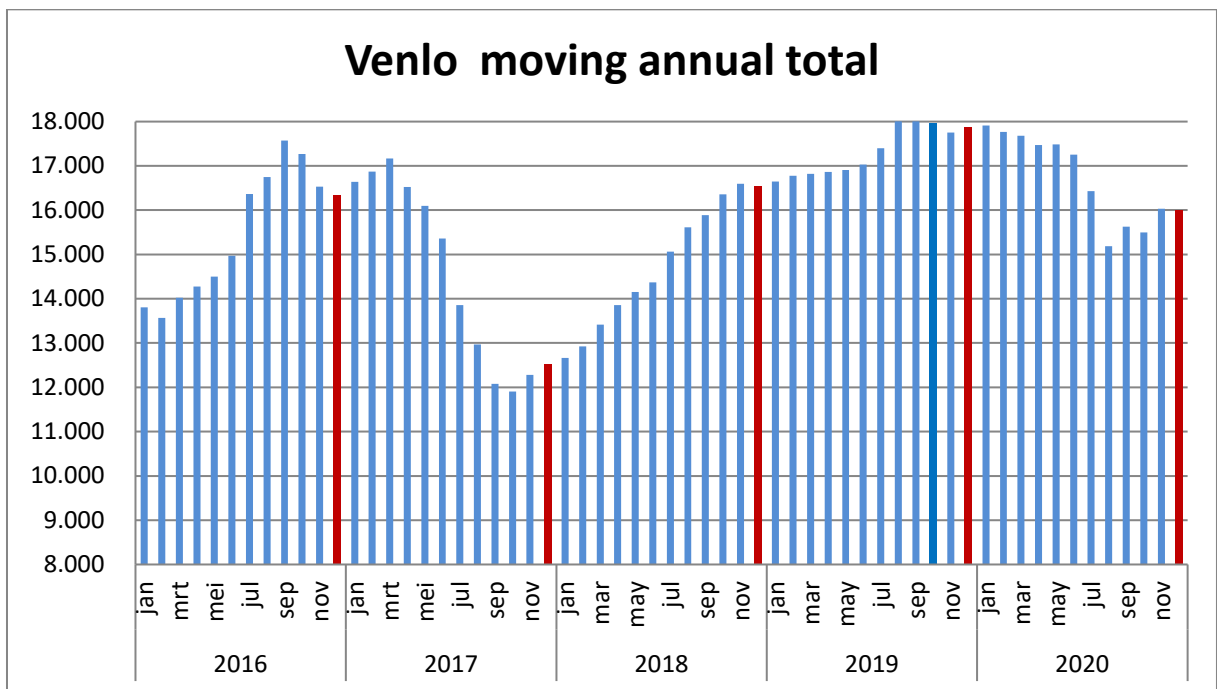
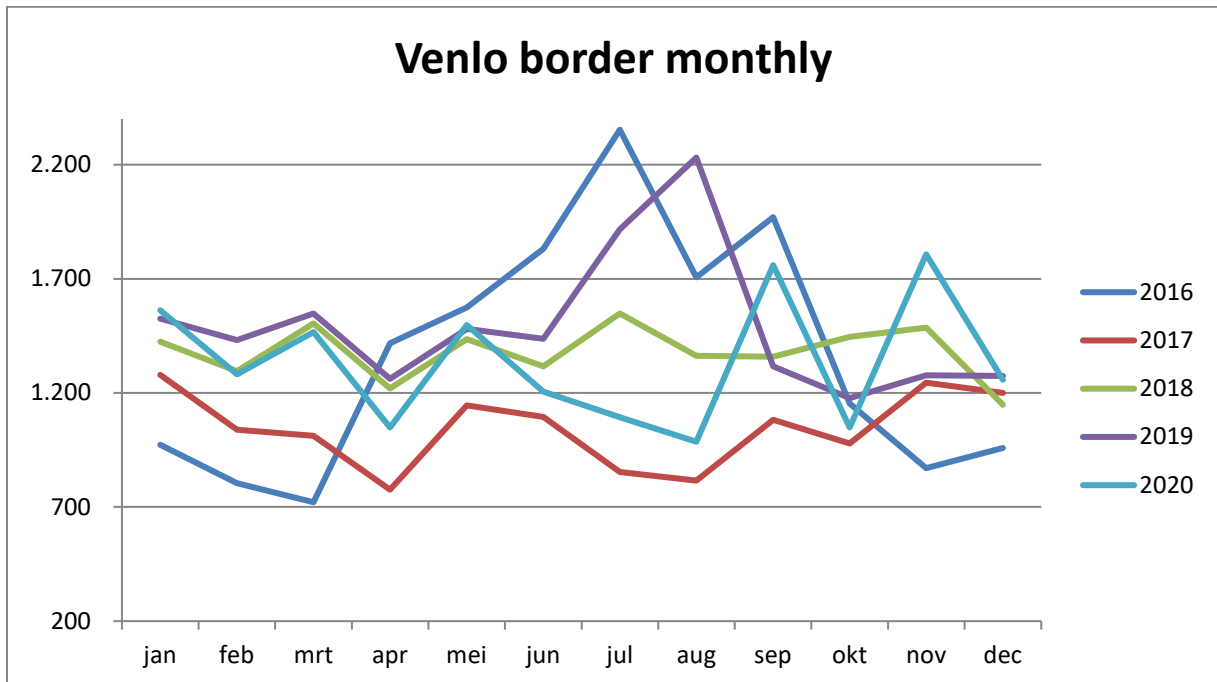
In red you find the total of each year

**Development at Emmerich Border**



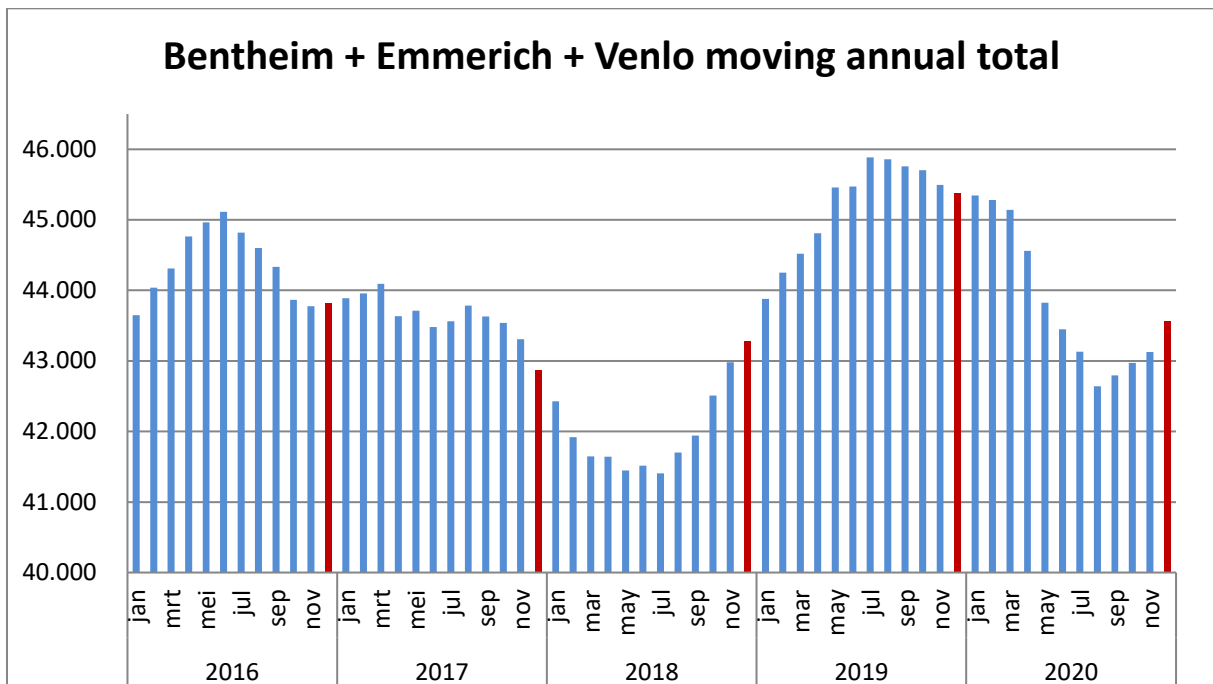
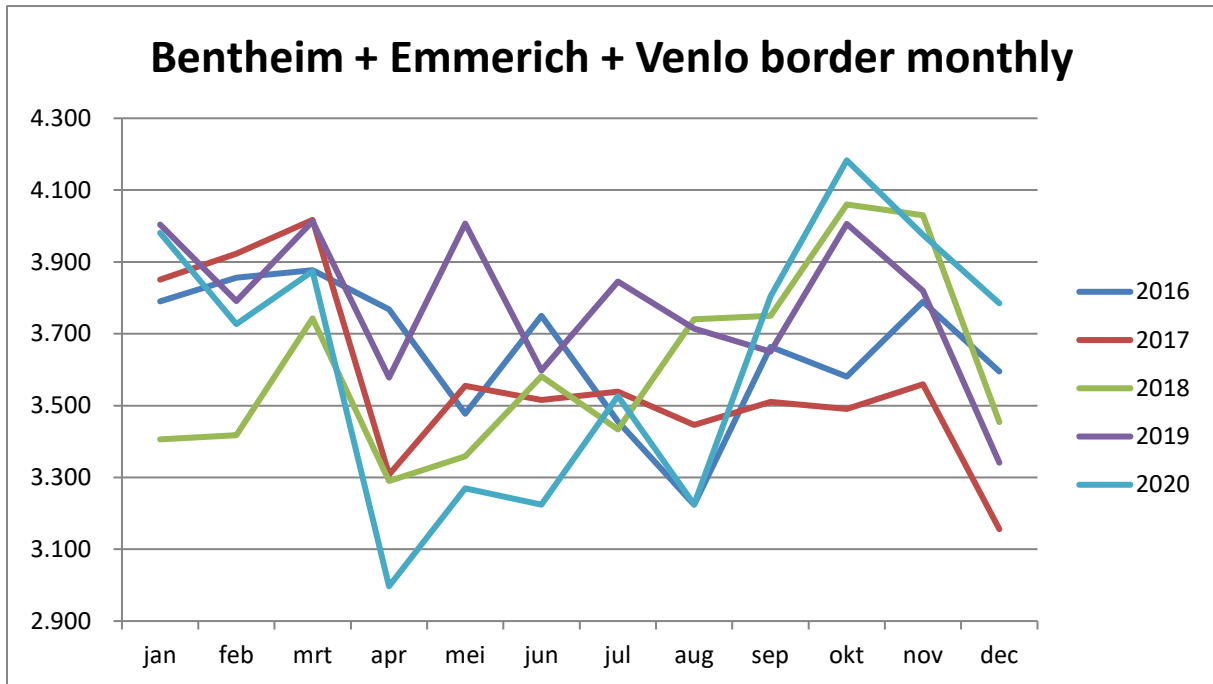
In red you find the total of each year

## Development at Venlo Border



In red you find the total of each year

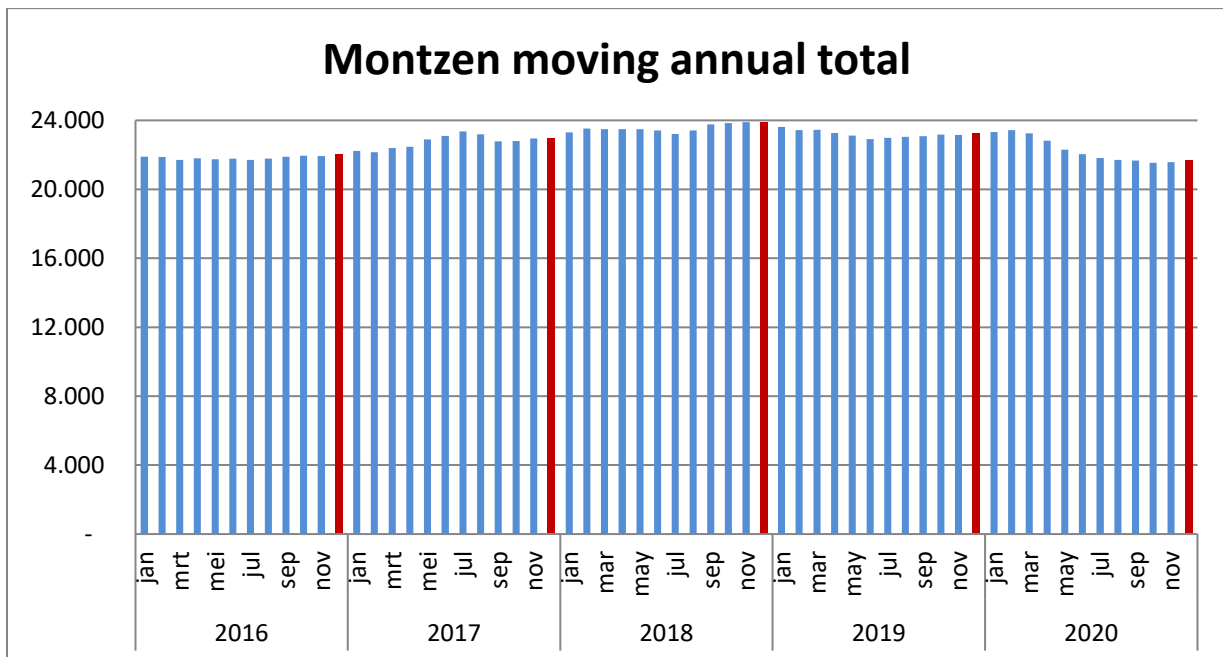
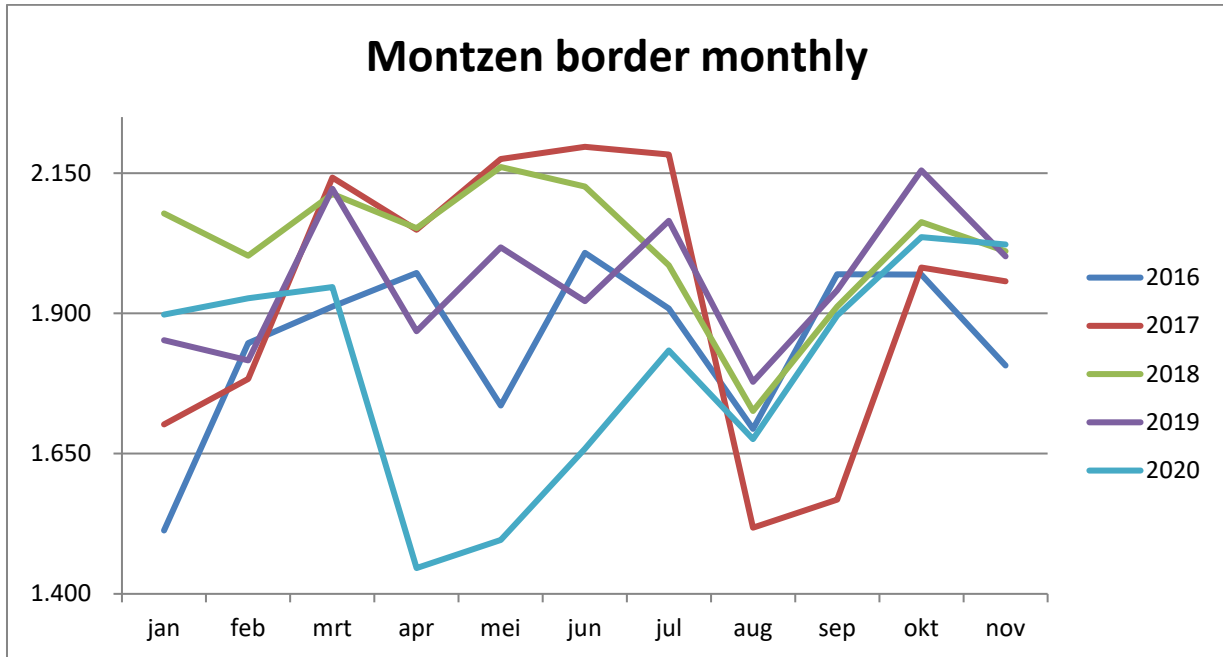
**Total development at Bentheim, Emmerich and Venlo border**



In red you find the total of each year

## Annex 2: Border crossing BE – DE

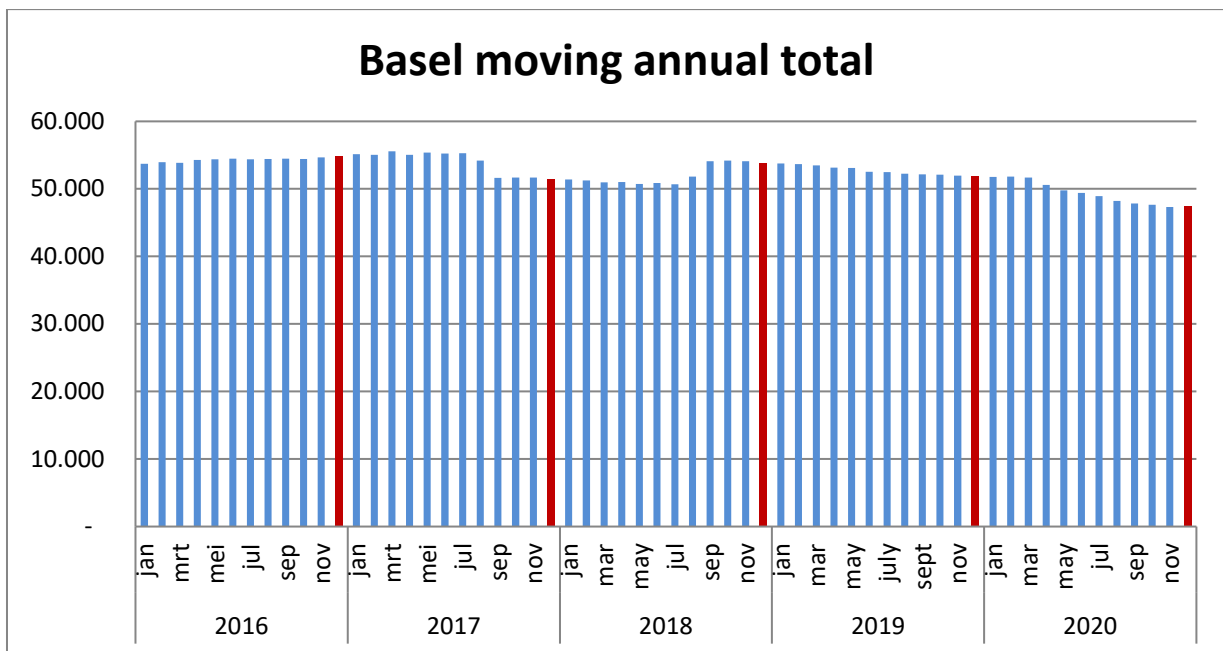
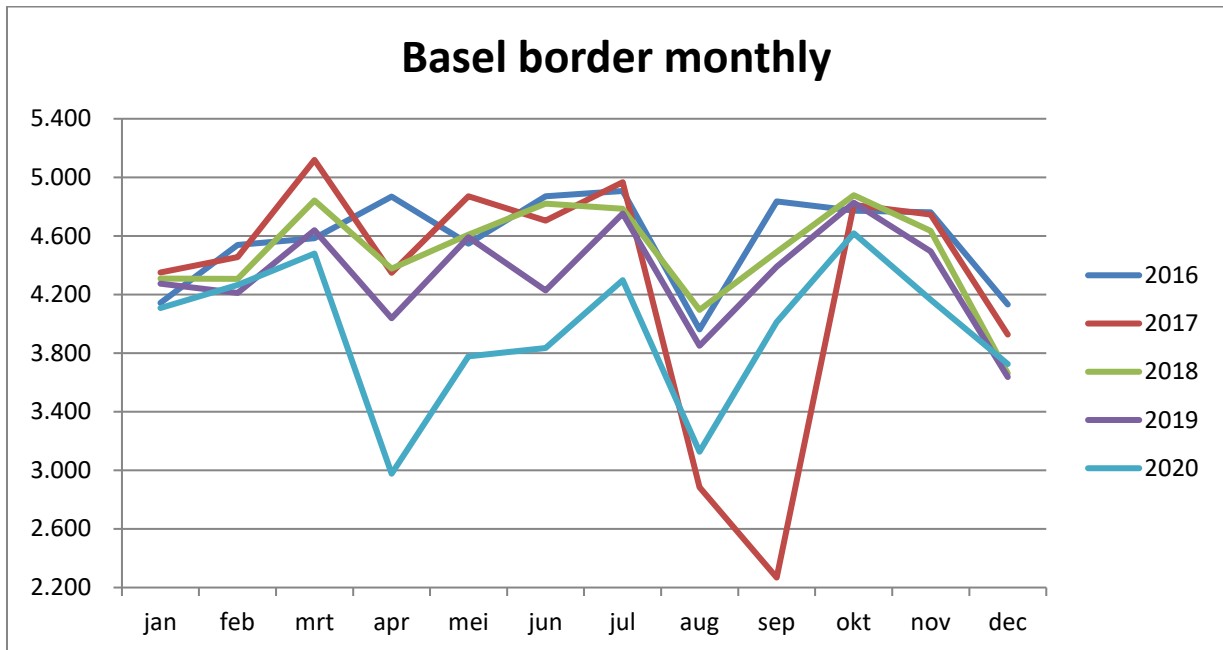
### Development at Montzen Border



In red you find the total of each year

### Annex 3: Border crossings DE – CH

#### Development at Basel Border

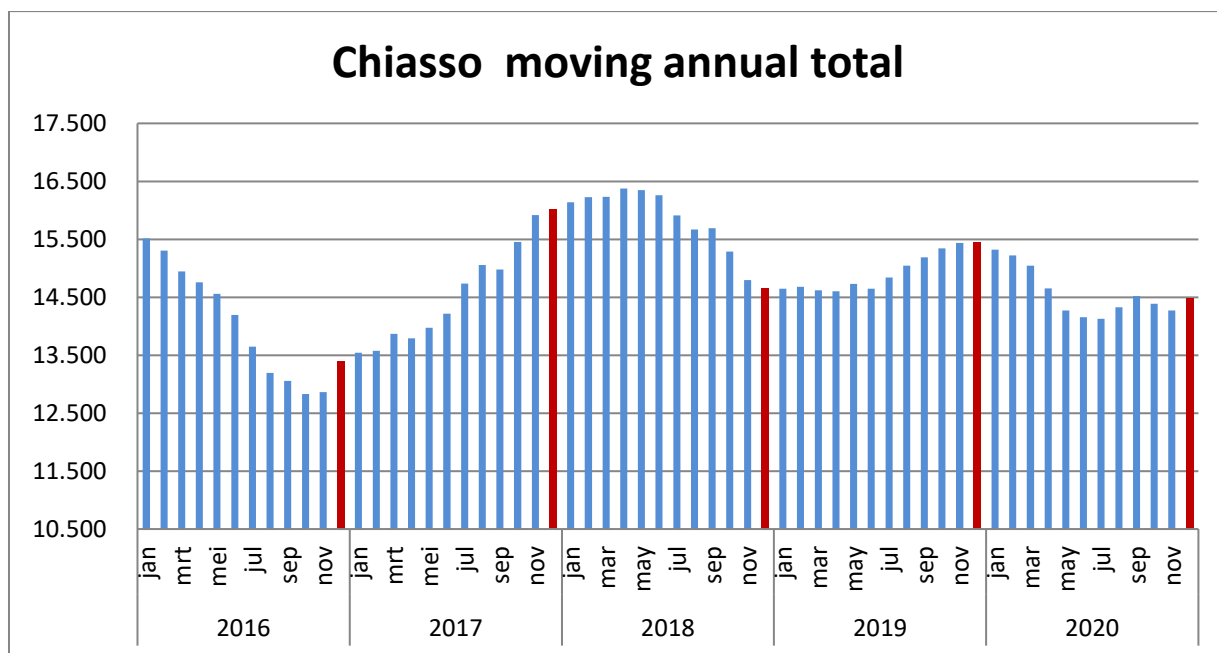
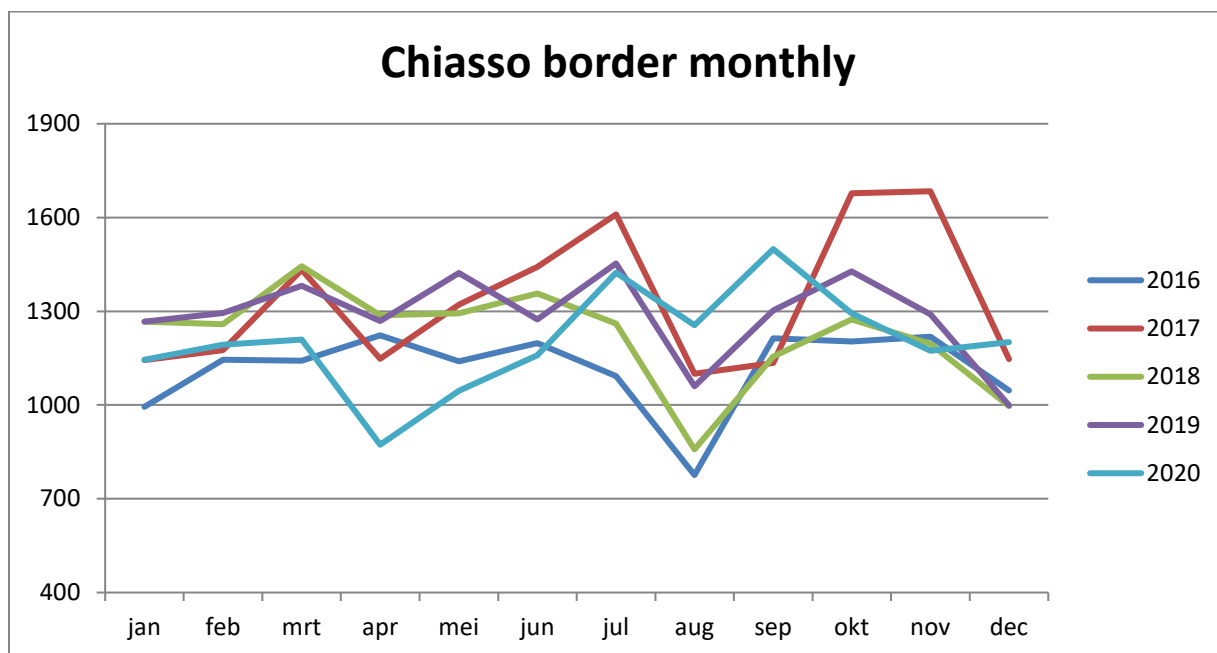


In red you find the total of each year



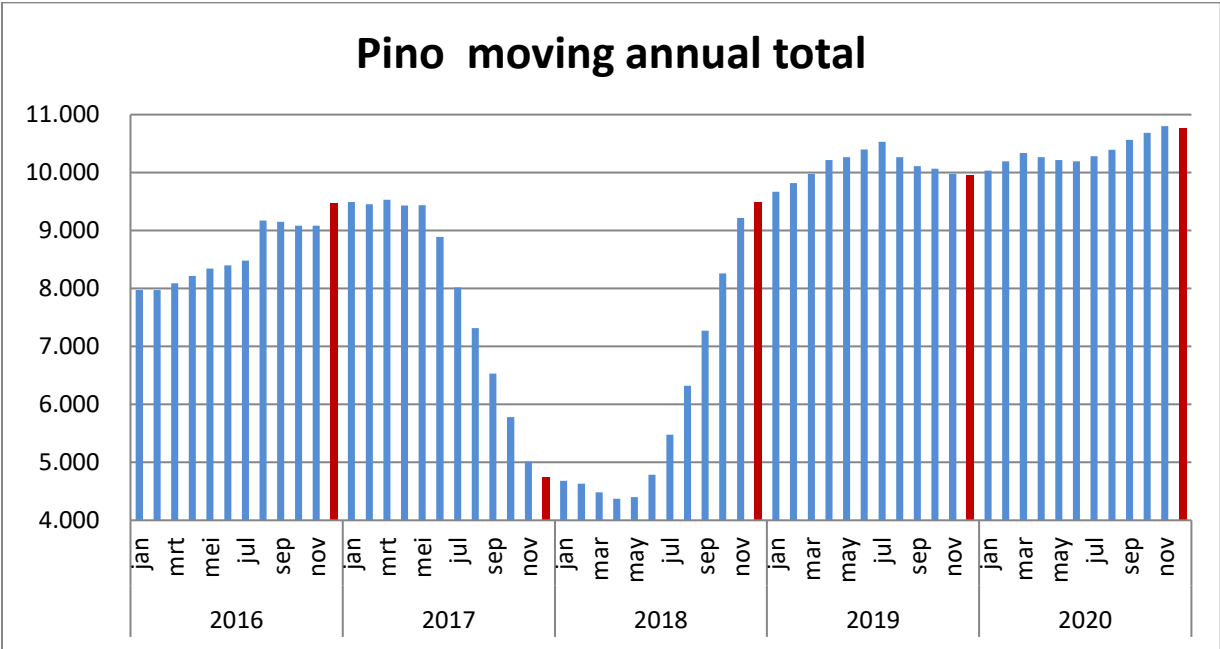
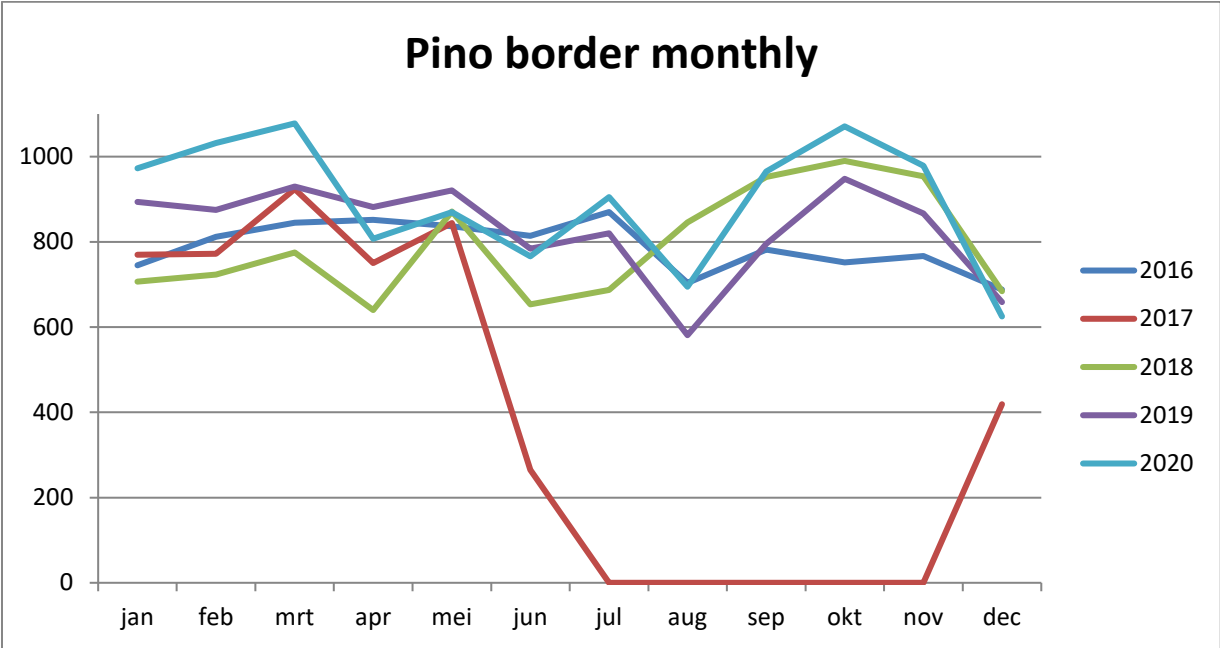
## Annex 4: Border crossings CH – IT

### Development at Chiasso Border



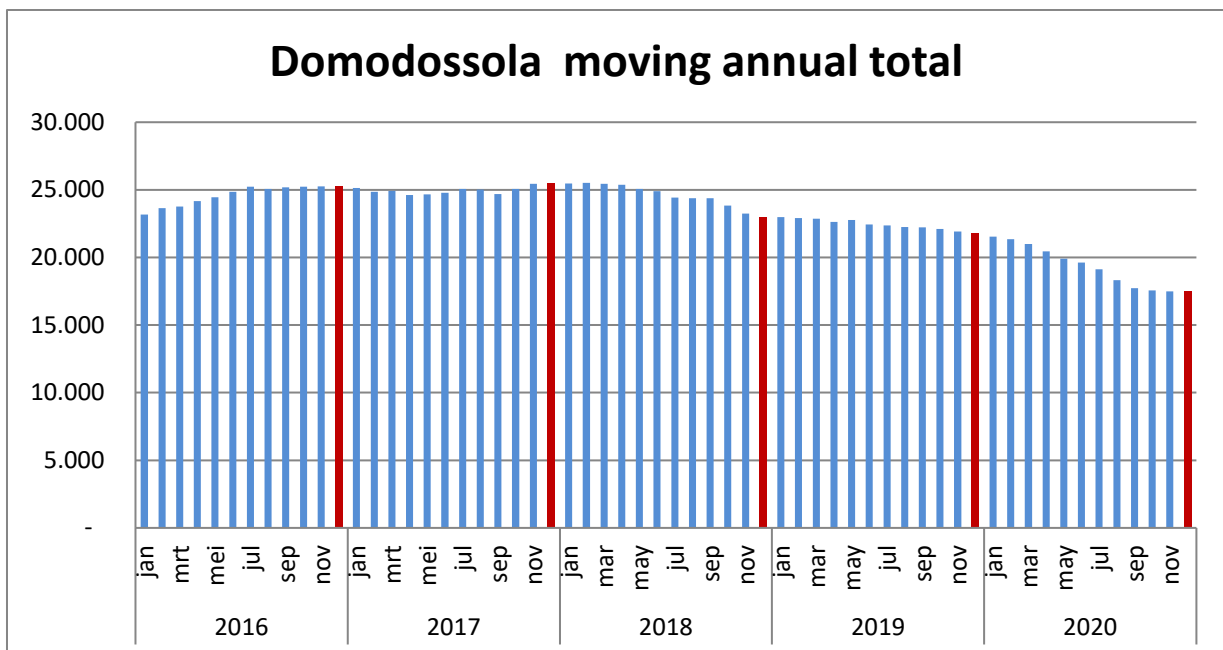
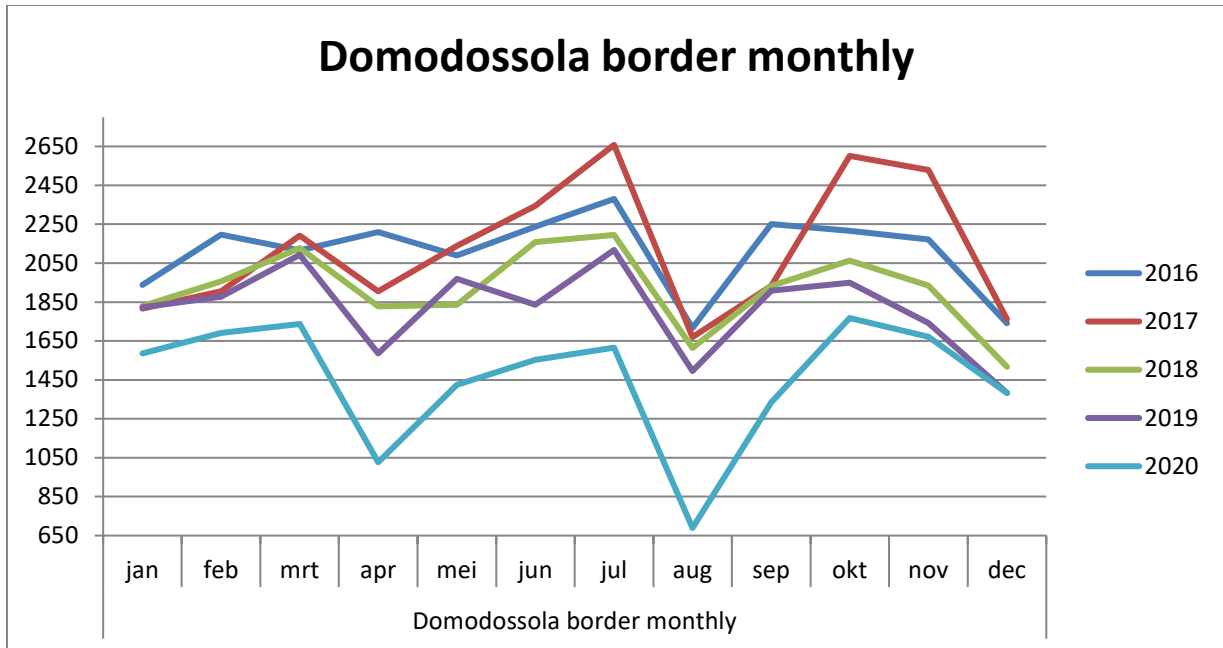
In red you find the total of each year

**Development at Pino Border**



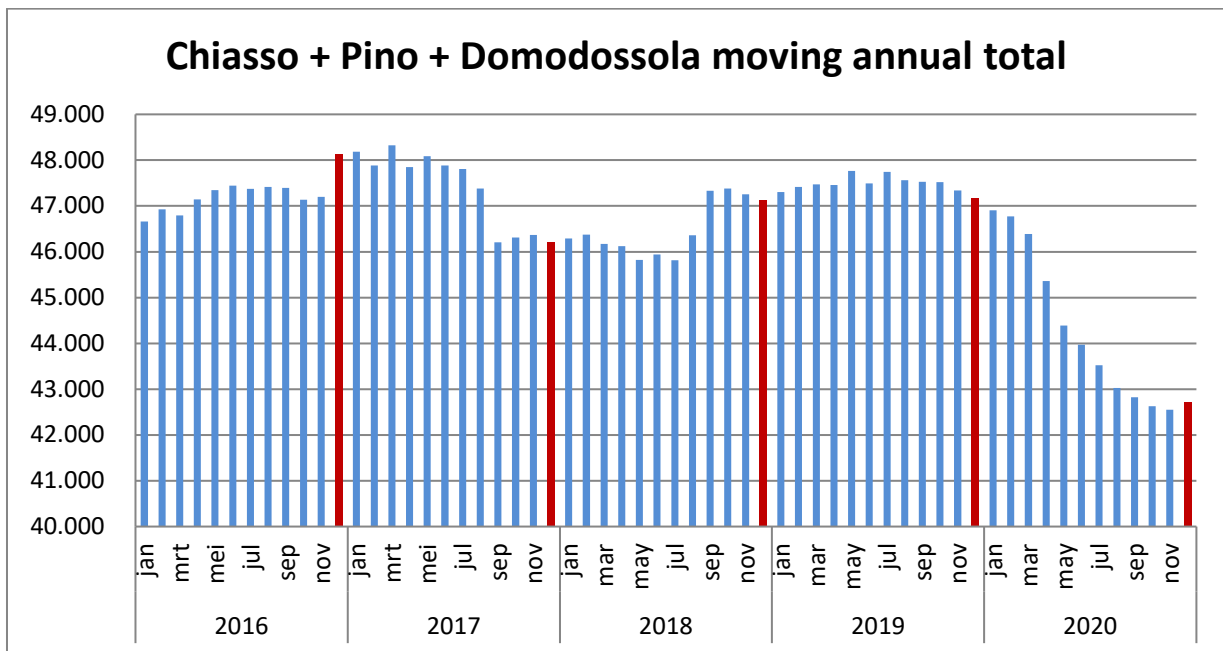
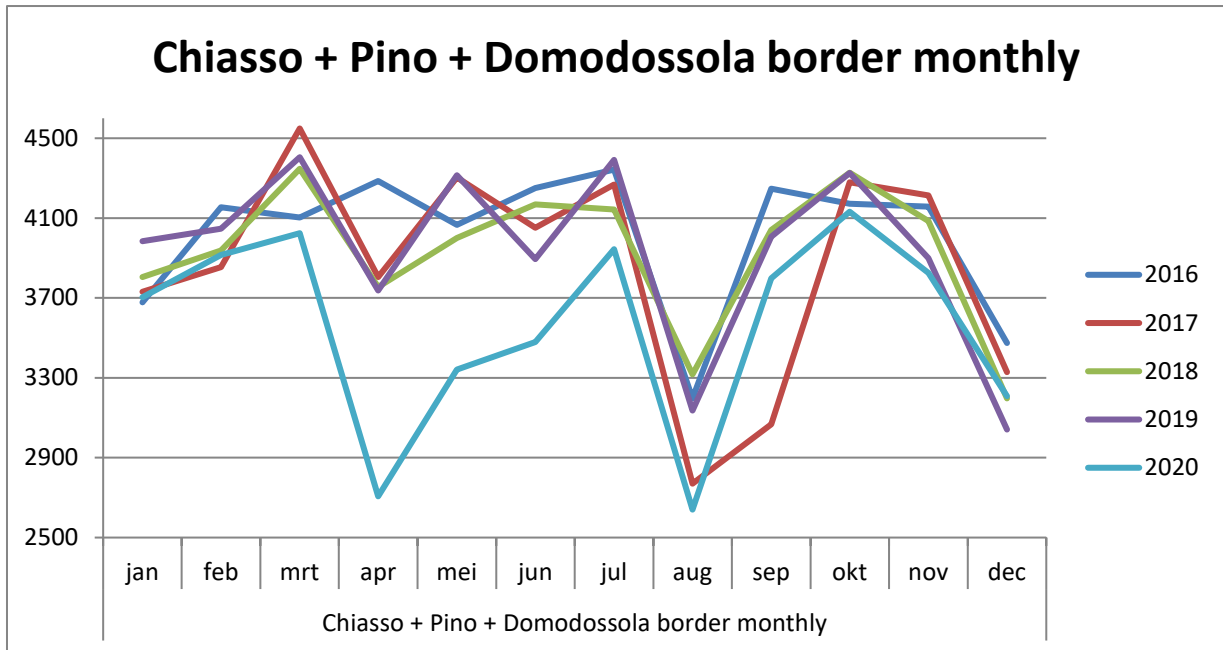
In red you find the total of each year

## Development at Domodossola Border



In red you find the total of each year

**Total development at Domodossola, Pino and Chiasso border**



In red you find the total of each year