



Belgian Veterinary Surveillance of Antibacterial Consumption

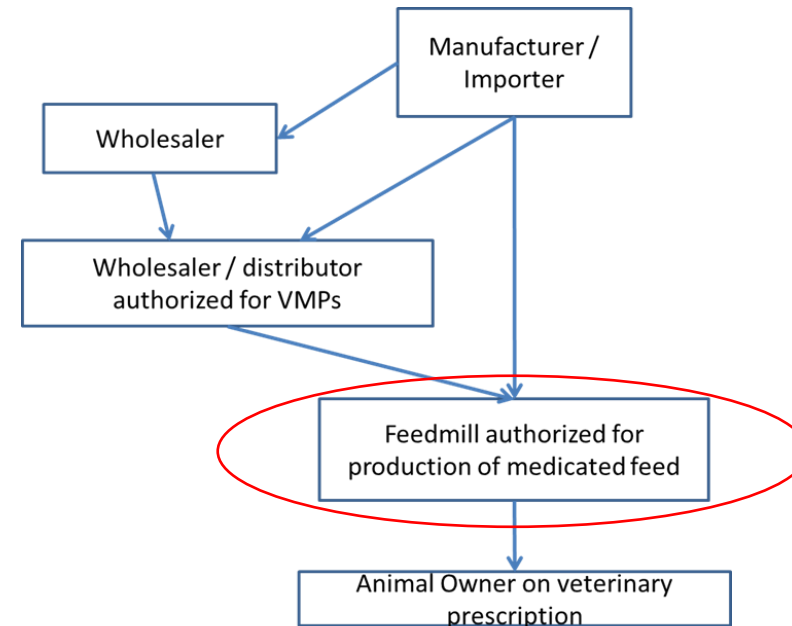
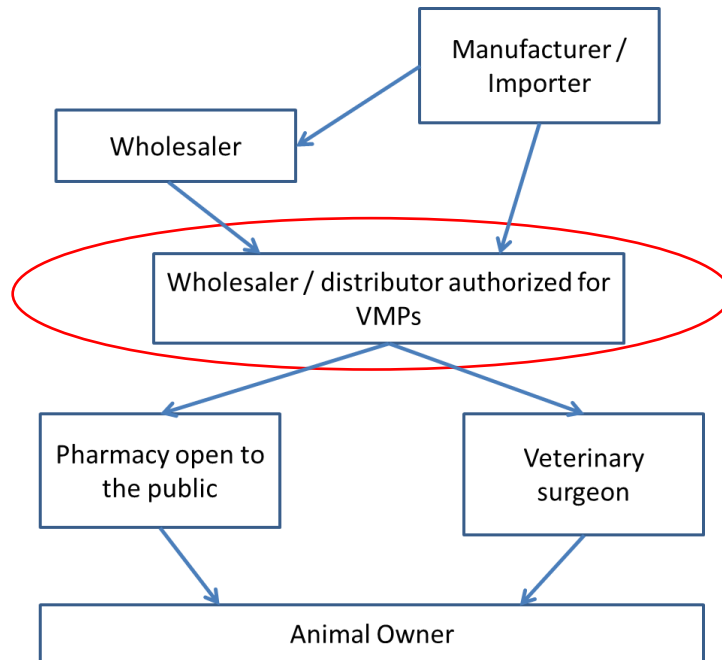
National consumption report

2019

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National consumption report

2019

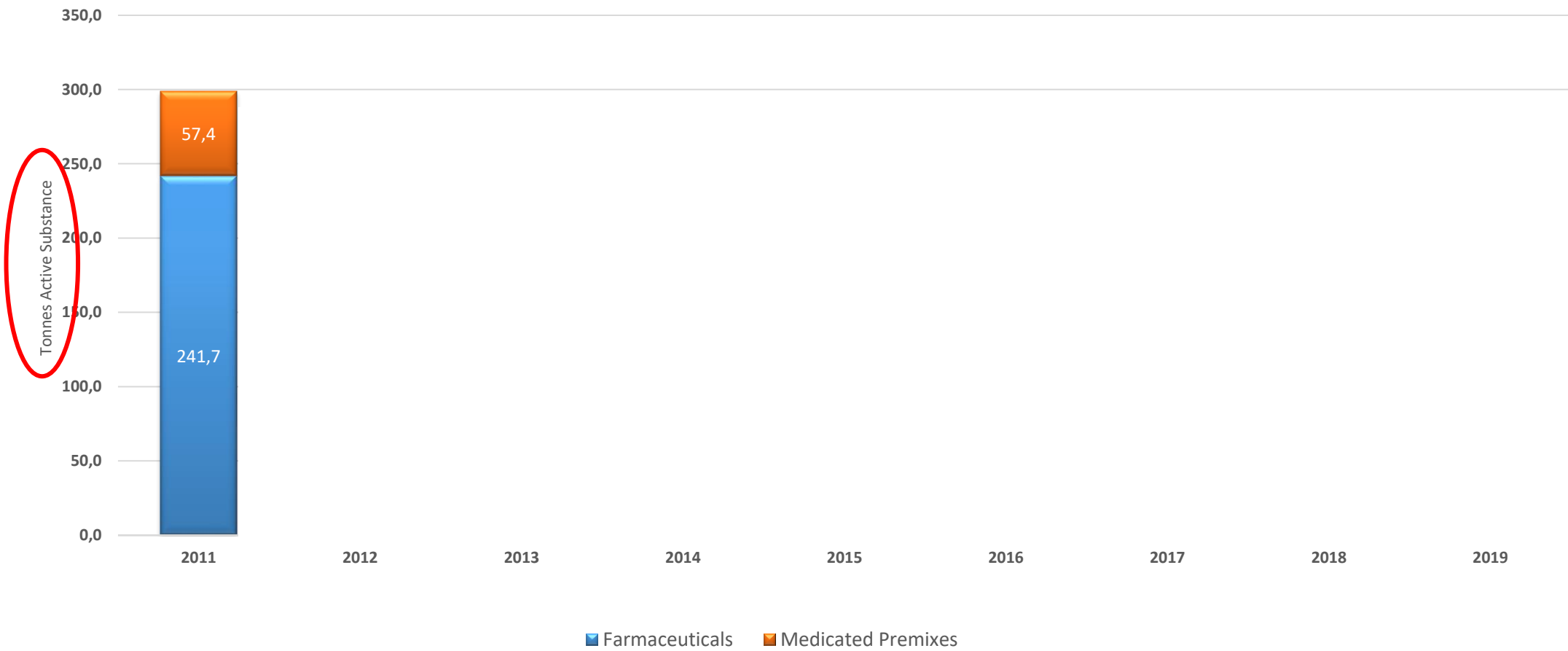


Biomassa geproduceerd tussen 2014 en 2019

Animal biomass	2014	2015	2016	2017	2018	2019
Meat (ton)						
Pork	1 118 330	1 124 310	1 060 540	1 044 560	1 073 120	1 038 916
Beef	257 670	267 880	278 360	281 540	277 310	263 749
Poultry	433 270	452 940	461 250	463 390	469 590	447 786
Sheep/goat ^a	2 560	2 720	3 020	3 230	3 090	3 010
Total biomass from meat production	1 811 830	1 847 850	1 803 170	1 792 720	1 823 110	1 753 487
Dairy cattle						
Dairy cattle (number)	519 090	528 780	529 780	519 160	529 250	537 960
Dairy cattle metabolic weight (ton)	259 545	264 390	264 890	259 580	264 625	268 980
Total biomass (ton)	2 071 375	2 112 240	2 068 060	2 052 300	2 087 735	2 022 450
Evolution since previous year	+2.09%	+1.97%	-2.09%	-0.76%	+ 1.73%	-3.13%

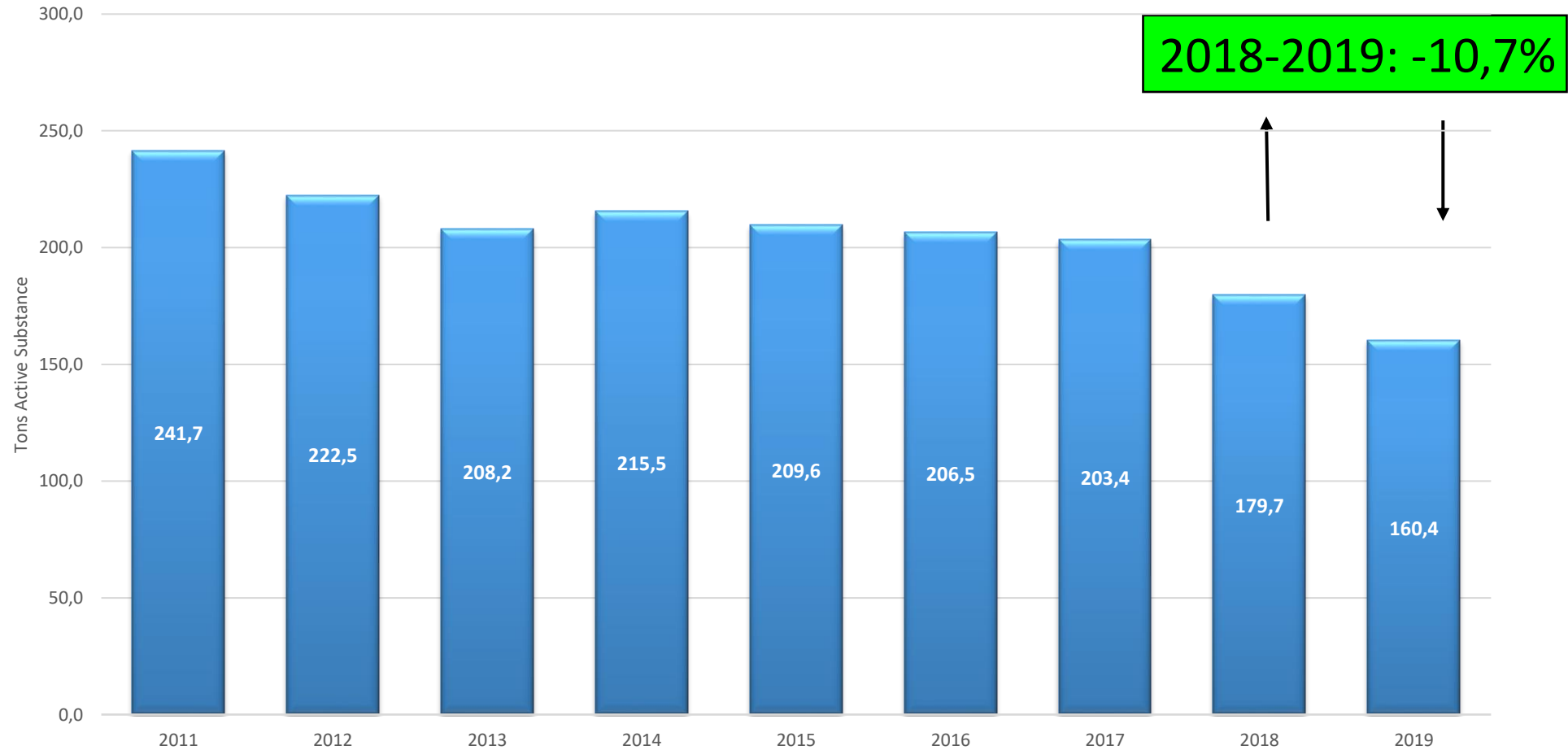
Tussen 2011 – 2019 is biomassa met 0,91% gedaald

Medicated Premixes & Pharmaceuticals



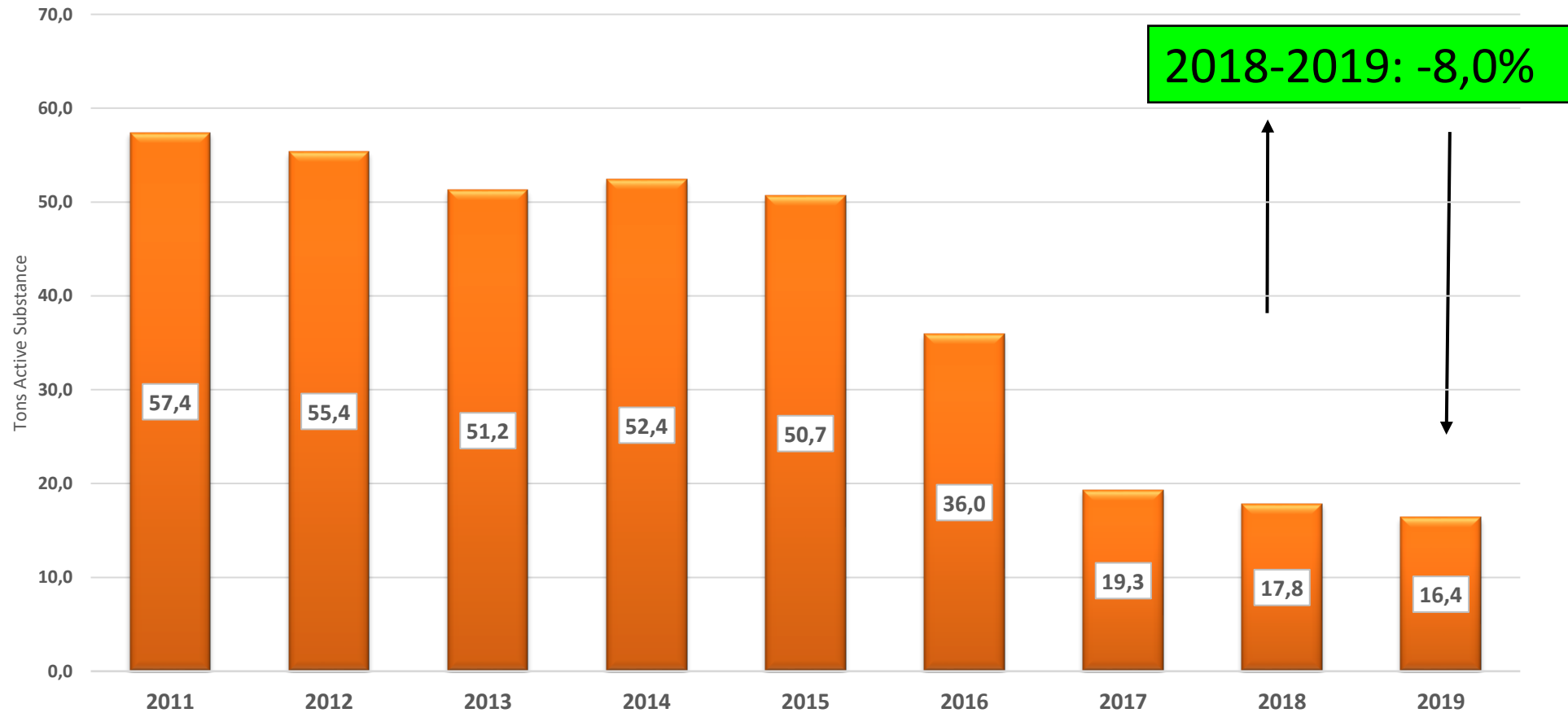
2018 -> 2019: -10,5%
2011 -> 2019: -40,9%

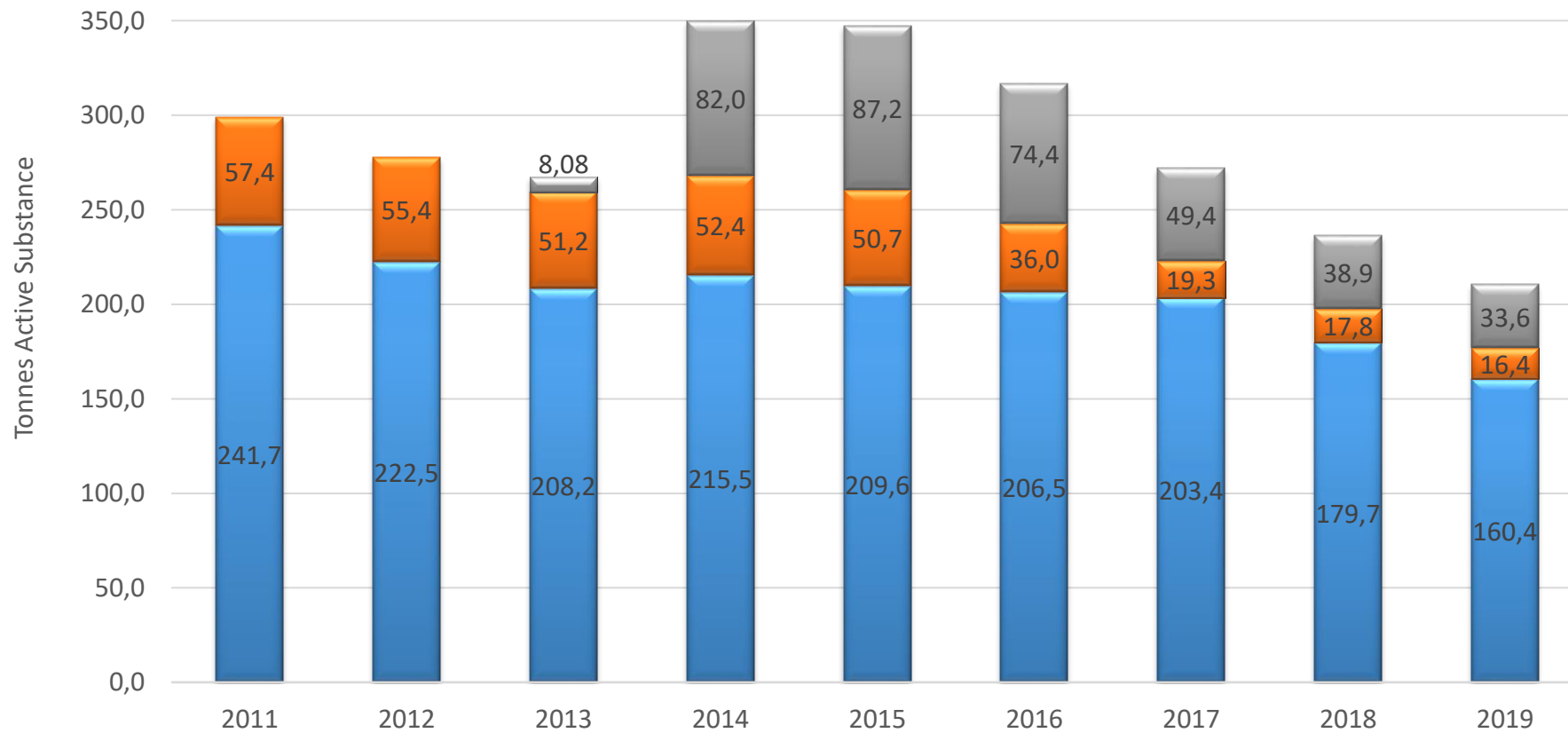
Pharmaceuticals



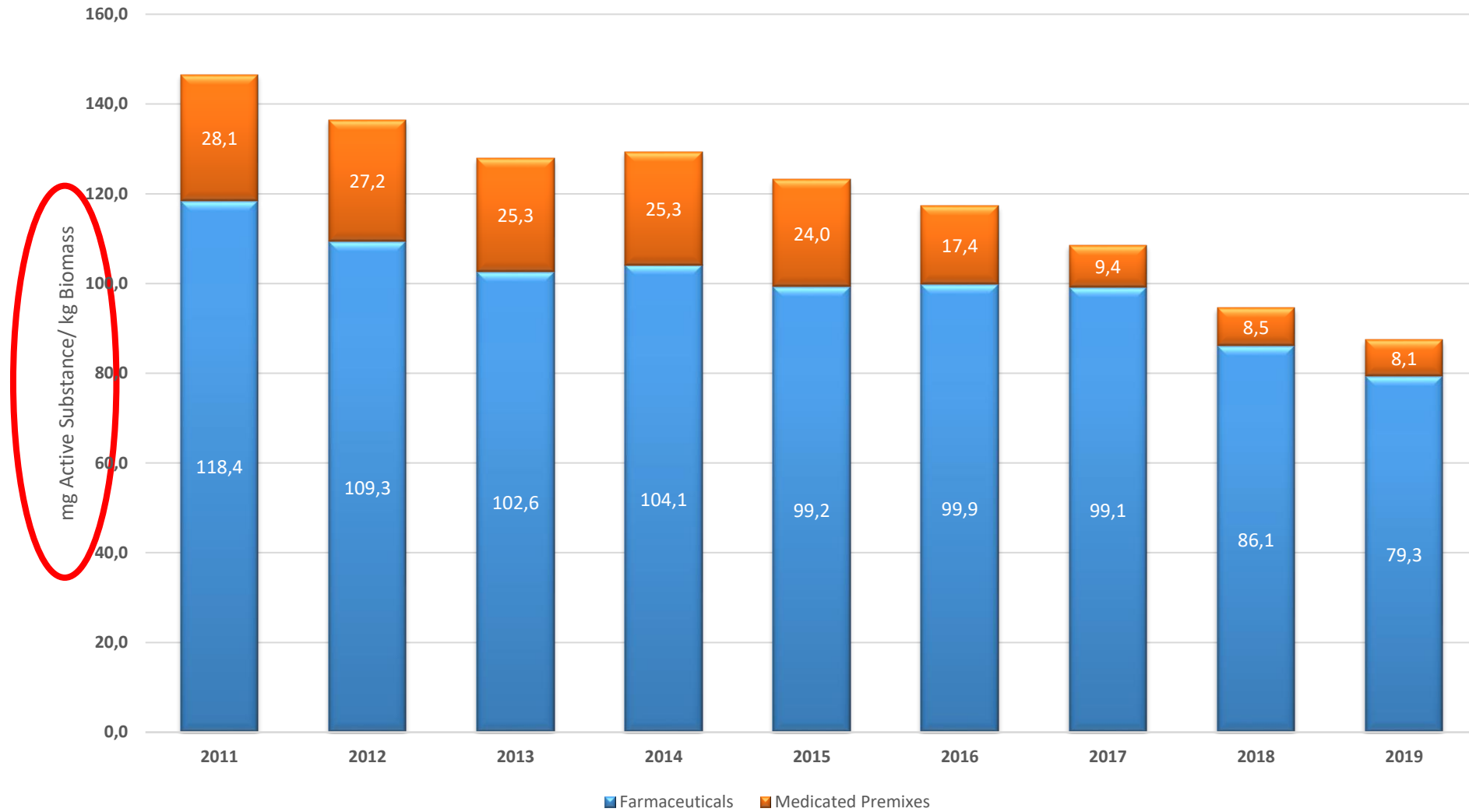
■ Pharmaceuticals

Medicated Premixes



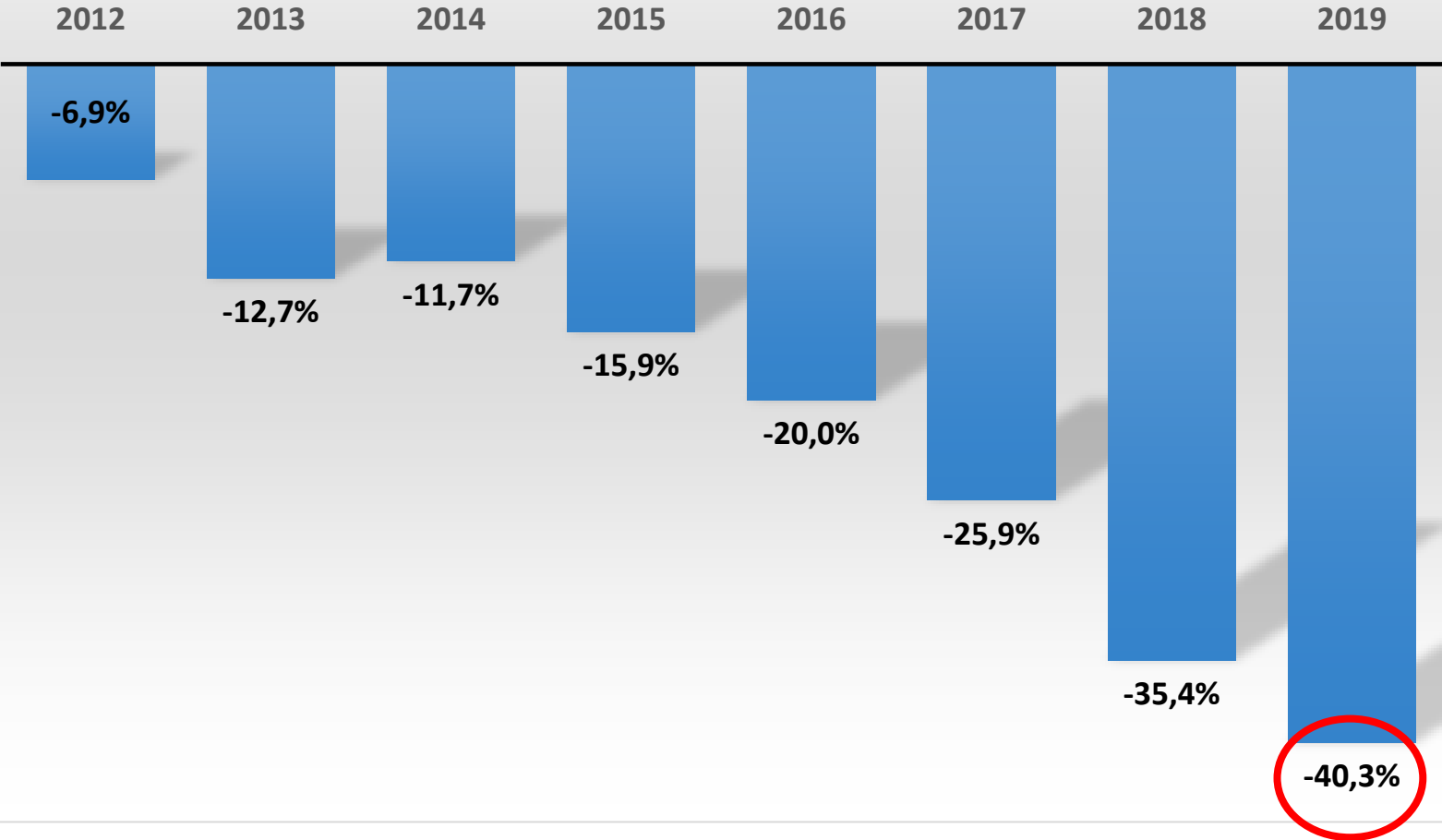


Medicated Premixes & Pharmaceuticals expressed in mg/kg biomass



2018 -> 2019: -7,6%

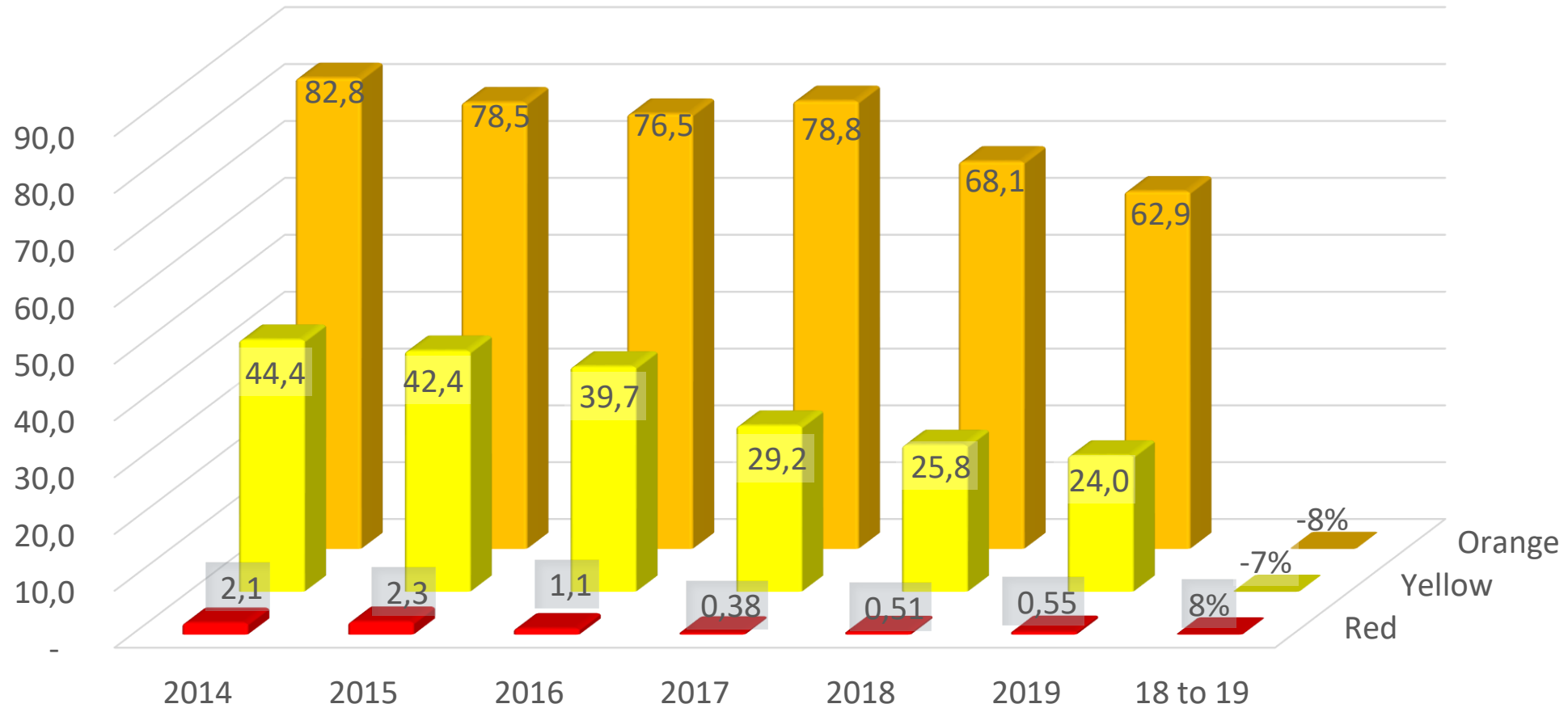
Evolution of antimicrobial consumption per biomass compared to 2011



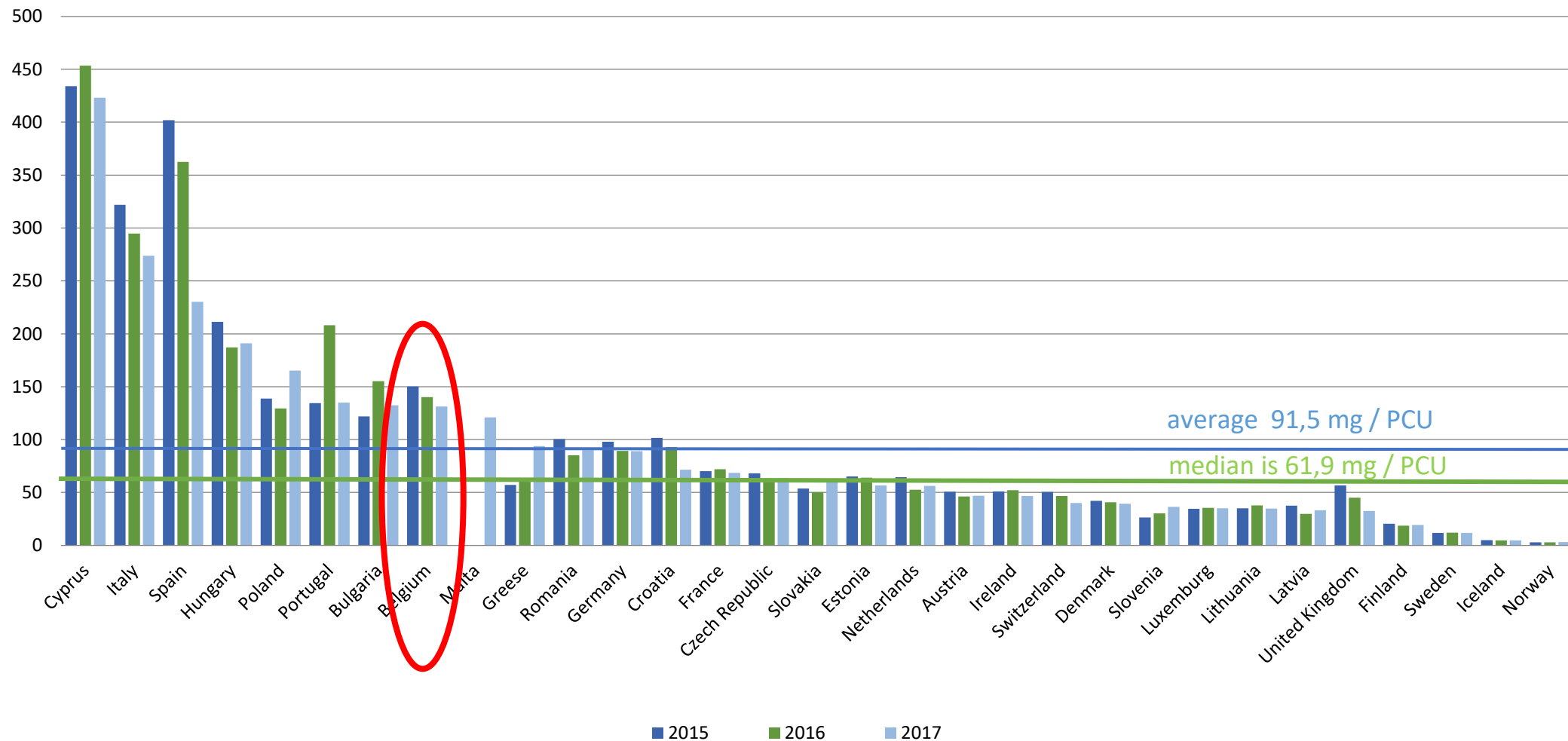
Class AB mg/kg biomass	2013	2014	2015	2016	2017	2018	2019	'13 » '14	'14 » '15	'15 » '16	'16 » '17	'17 » '18	'18 » '19	2019%
<u>Penicillins</u>	39,88	39,91	38,09	42,03	40,96	35,78	34,63	0,1%	-4,6%	10,3%	-2,6%	-12,6%	-3,2%	39,61
<u>Sulphonamides & trimethoprim</u>	36,79	37,39	35,08	31,64	21,56	17,49	16,69	1,6%	-6,2%	-9,8%	-31,8%	-18,9%	-4,5%	19,10
<u>Tetracyclines</u>	30,80	29,92	28,49	24,16	27,66	23,96	18,35	-2,8%	-4,8%	-15,2%	14,4%	-13,3%	-23,4%	20,99
<u>Macrolides</u>	8,64	11,27	10,80	9,57	9,18	8,12	8,09	30,5%	-4,2%	-11,4%	4,0%	-11,5%	-0,4%	9,25
<u>Polymyxins</u>	3,89	2,74	2,25	2,03	1,76	1,69	1,50	-29,6%	-17,6%	-9,9%	-13,3%	-4,1%	-11,2%	1,72
<u>Aminosides</u>	3,99	4,34	4,47	4,48	4,49	3,93	4,71	8,8%	3,1%	0,2%	0,3%	-12,6%	20,0%	5,39
<u>Quinolones</u>	1,64	1,69	1,92	0,82	0,29	0,44	0,48	3,2%	13,7%	-57,5%	-64,2%	50,0%	10,0%	0,55
<u>Other**</u>	0,90	0,61	0,57	0,55	0,50	1,05	0,82	-32,3%	-6,1%	-3,8%	-9,4%	109,5%	-21,4%	0,94
<u>Phenicols</u>	0,75	0,78	0,99	1,46	1,50	1,59	1,56	4,6%	26,5%	47,3%	3,0%	6,1%	-1,8%	1,79
<u>Cephalosporins 1° & 2° G</u>	0,35	0,39	0,37	0,44	0,41	0,37	0,52	12,7%	-4,4%	16,3%	-6,7%	-7,8%	38,1%	0,59
<u>Cephalosporins 3° & 4° G</u>	0,41	0,38	0,35	0,25	0,09	0,07	0,07	-7,0%	-9,5%	-28,3%	-65,9%	-19,2%	-2,6%	0,08
Total mg/kg biomass	128,02	129,42	123,39	117,43	108,40	94,50	87,43	1,09%	-4,66%	-4,83%	-7,69%	-12,83%	-7,48%	100
<u>Total biomass cfr. Grave et al., 2010)*</u>	2.026.565	2.068.815	2.109.520	2.065.040	2.052.300	2.087.735	2.022.450	2,08%	1,97%	-2,11%	-0,62%	1,73%	-3,13%	

Polymixines 2012 -> 2019: -66,4%

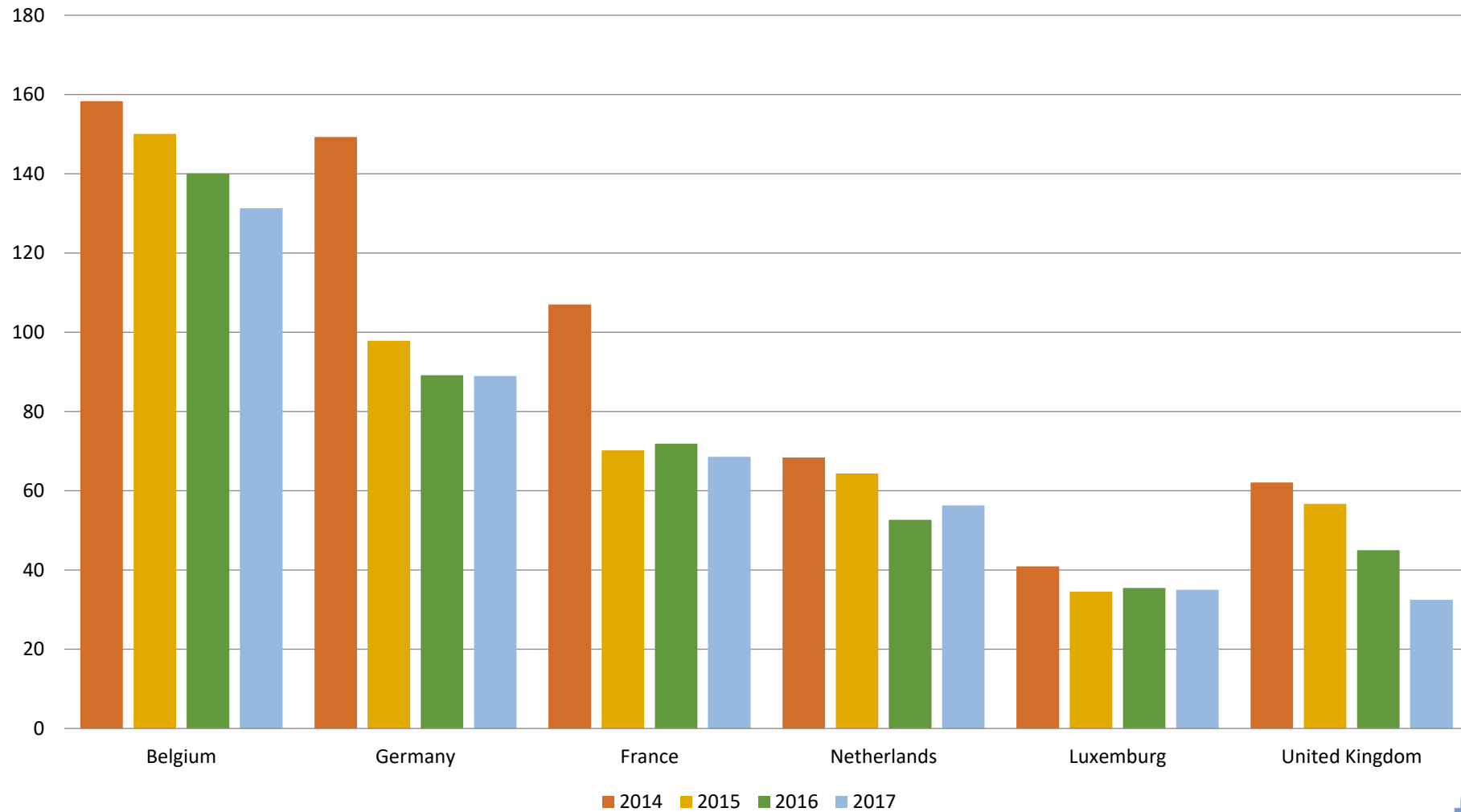
Antimicrobial pharmaceuticals and medicated permixes (mg/kg biomass)



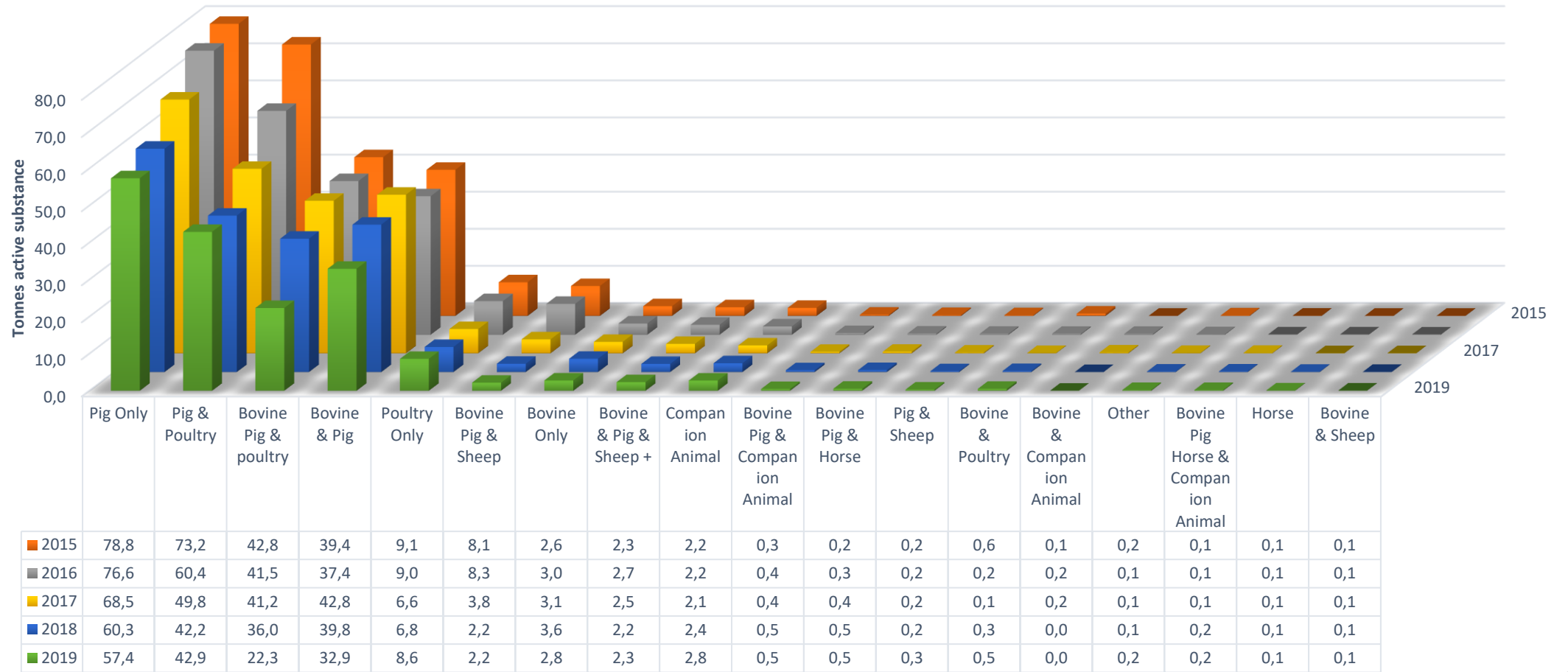
Antimicrobial use in mg/PCU (ESVAC)

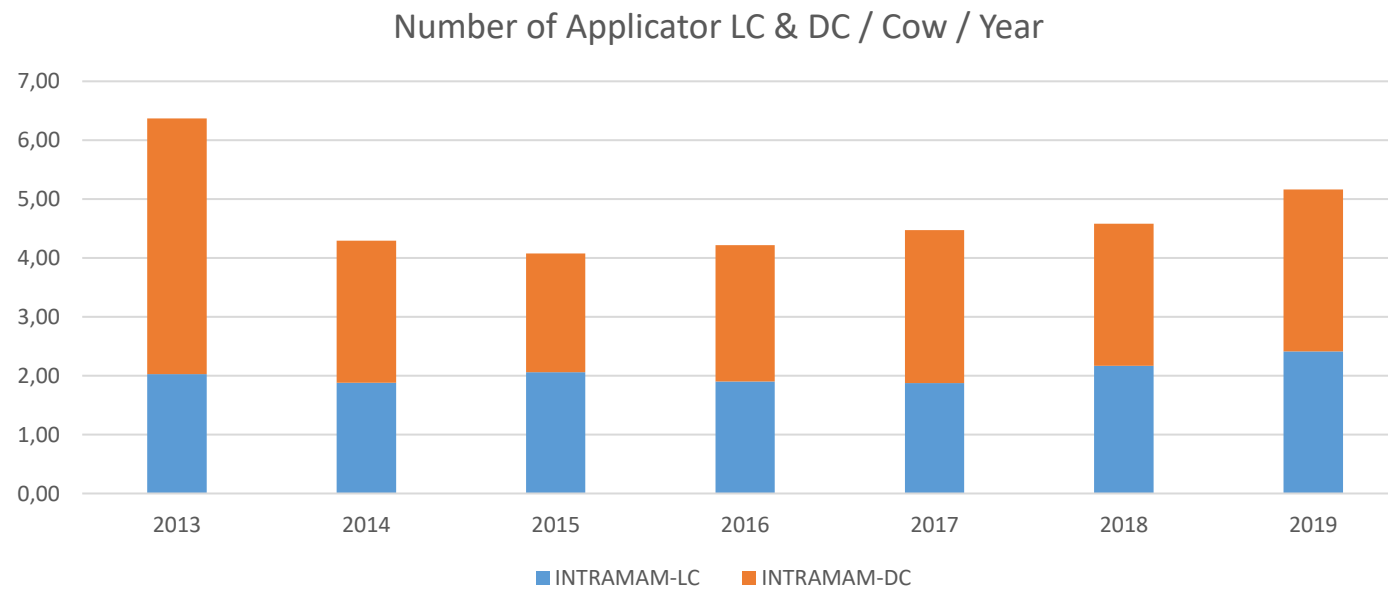
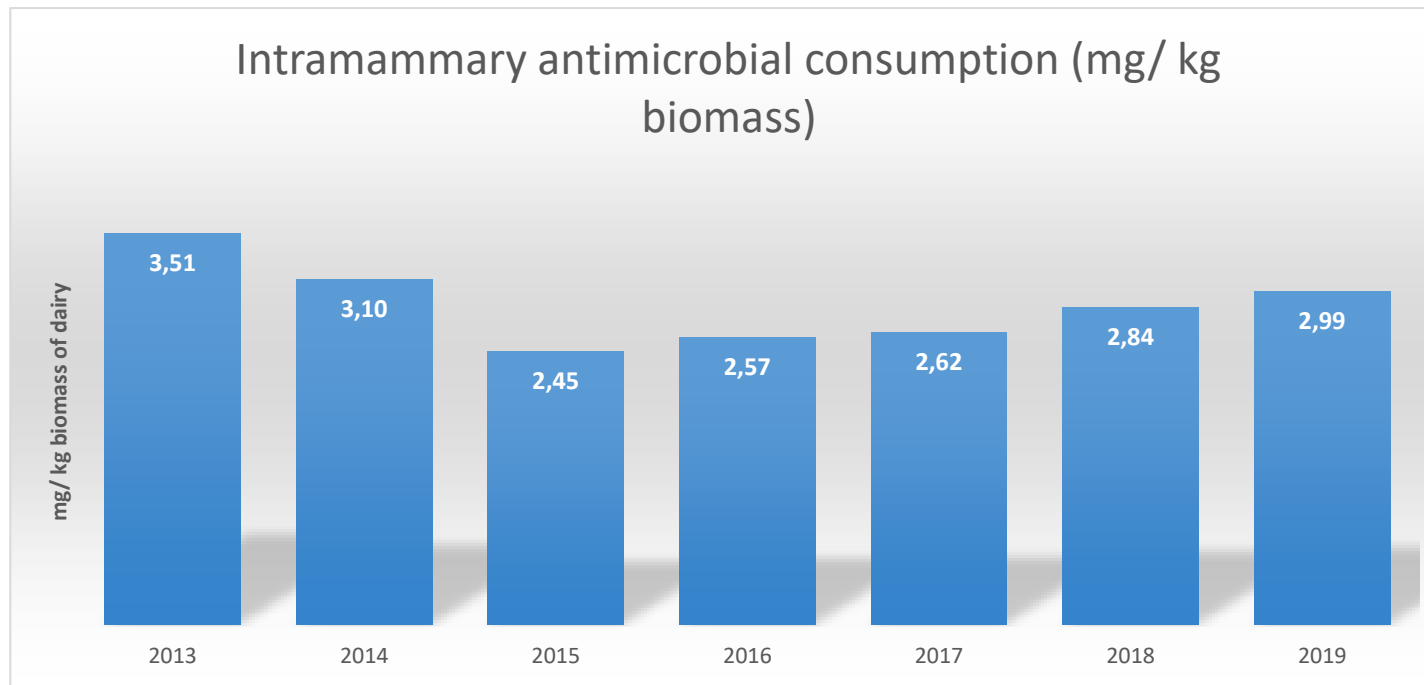


Antimicrobial use in mg/PCU (ESVAC) of Belgium and neighbouring countries

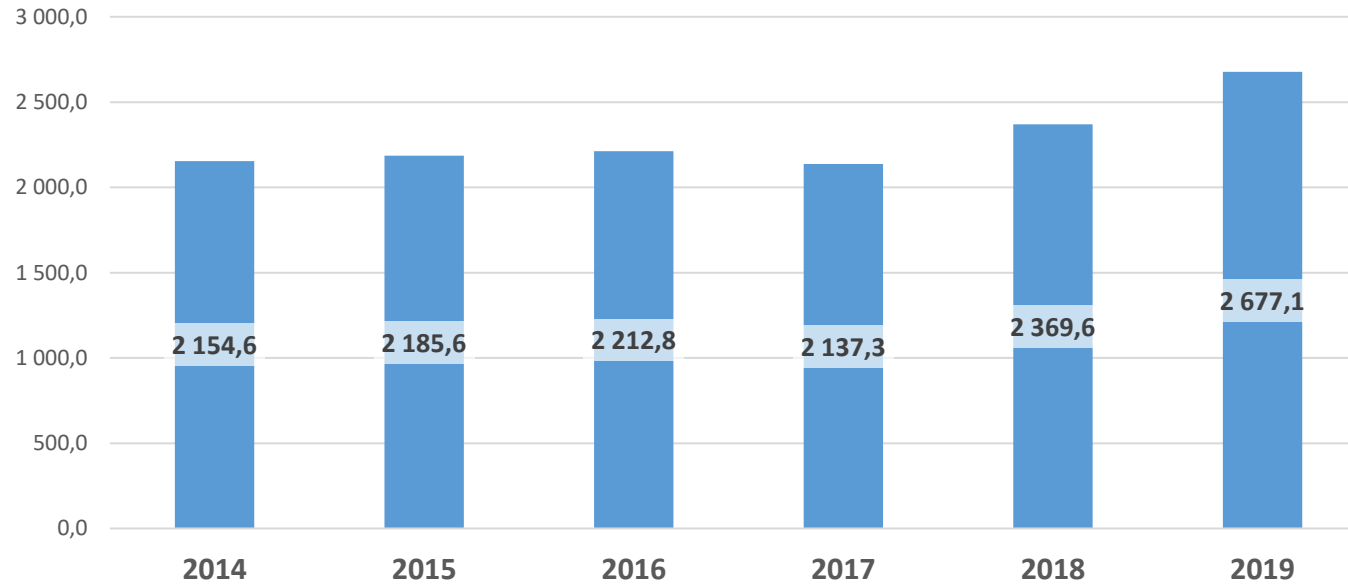


Total sales in tons active ingredient by species

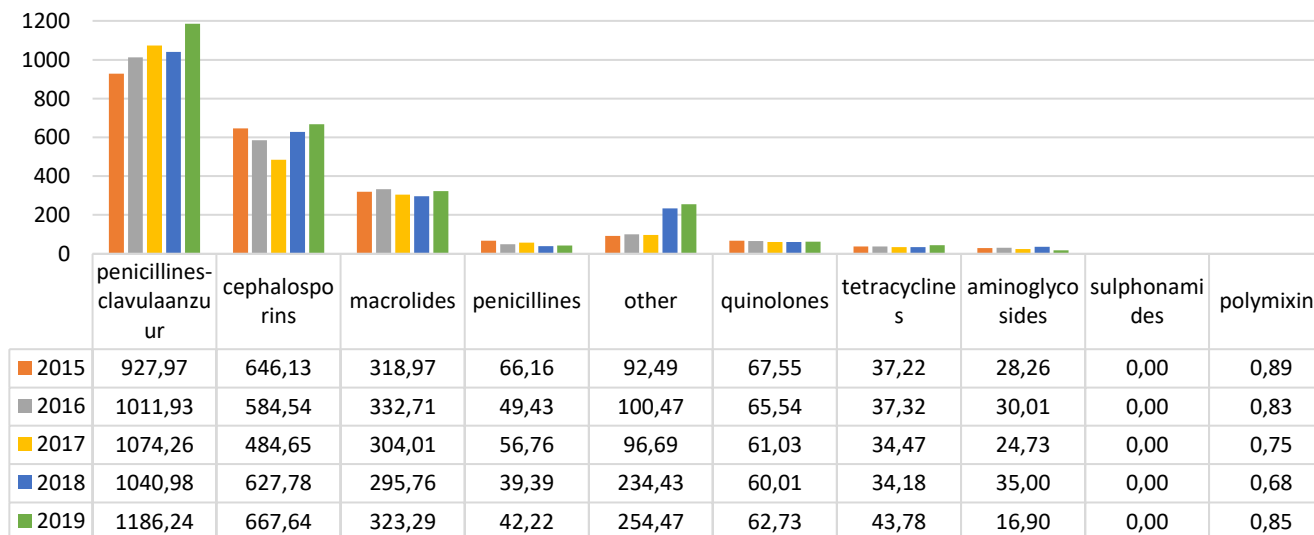




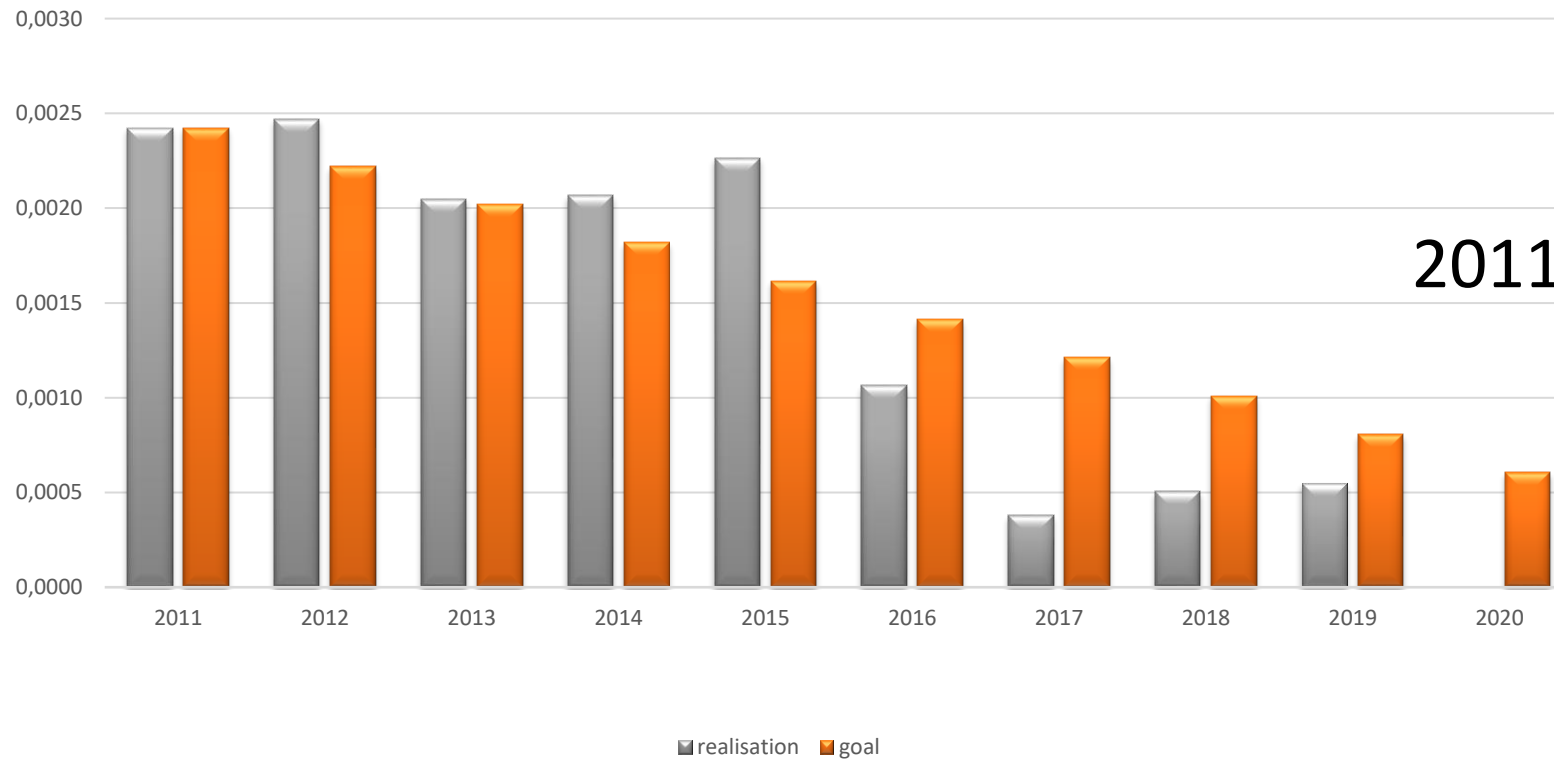
kg active compound in dogs and cats



Use (kg active compound) of different antibacterial classes in cats and dogs

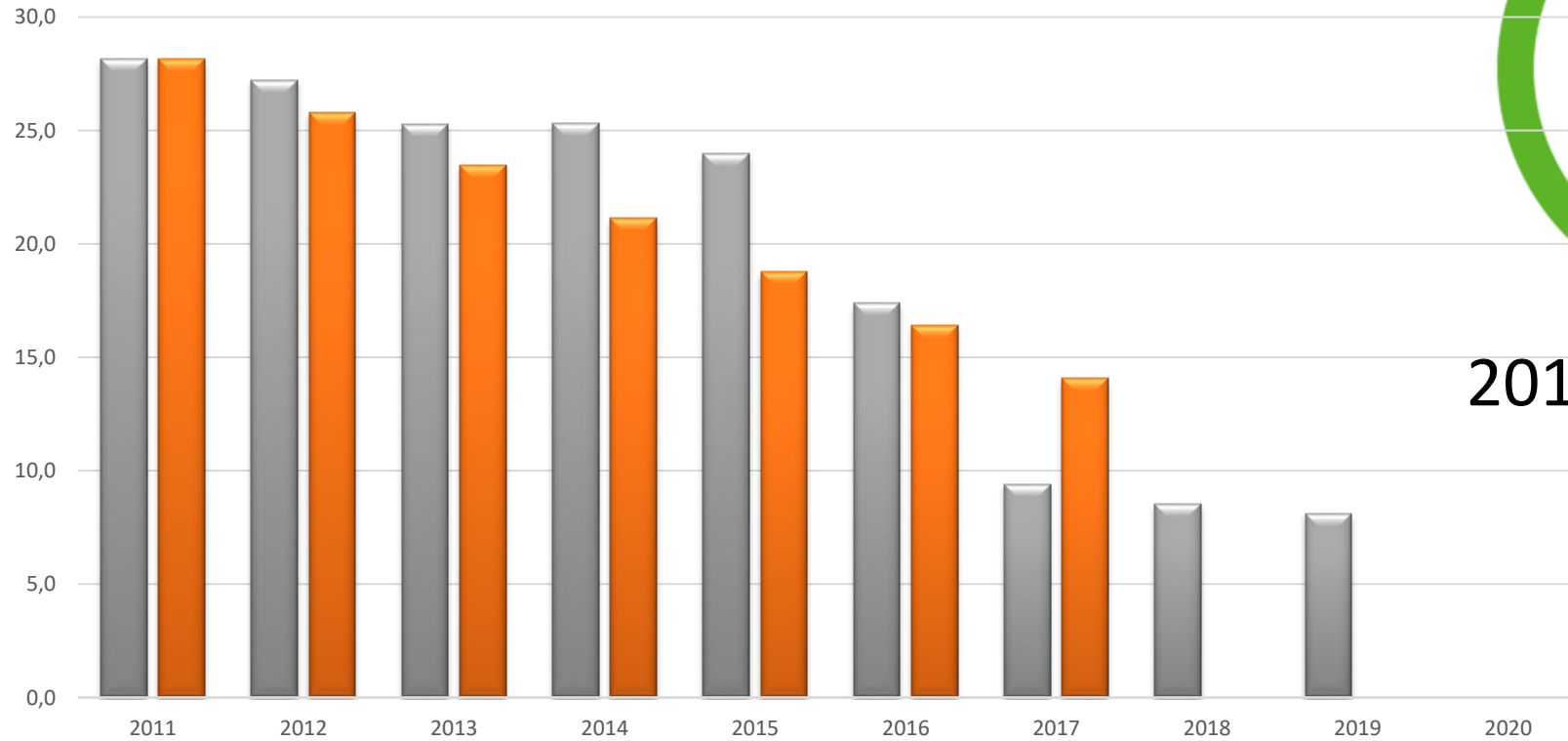


Evolution total consumption of red molecules in reference to AMCRA goals



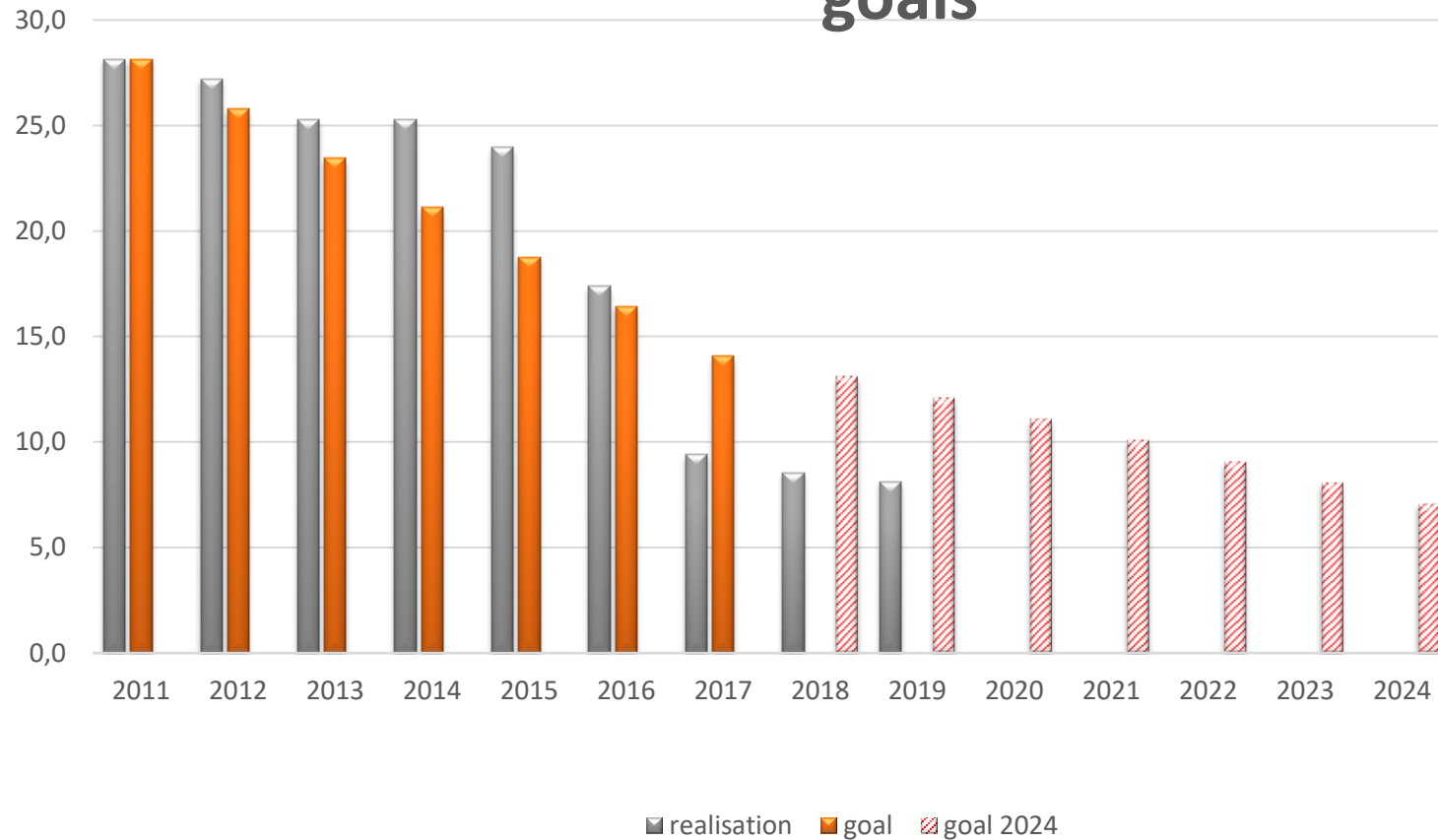
2011 -> 2019: -77,3%

Evolution of premix consumption in reference to 2011 (AMCRA 2020 plan)

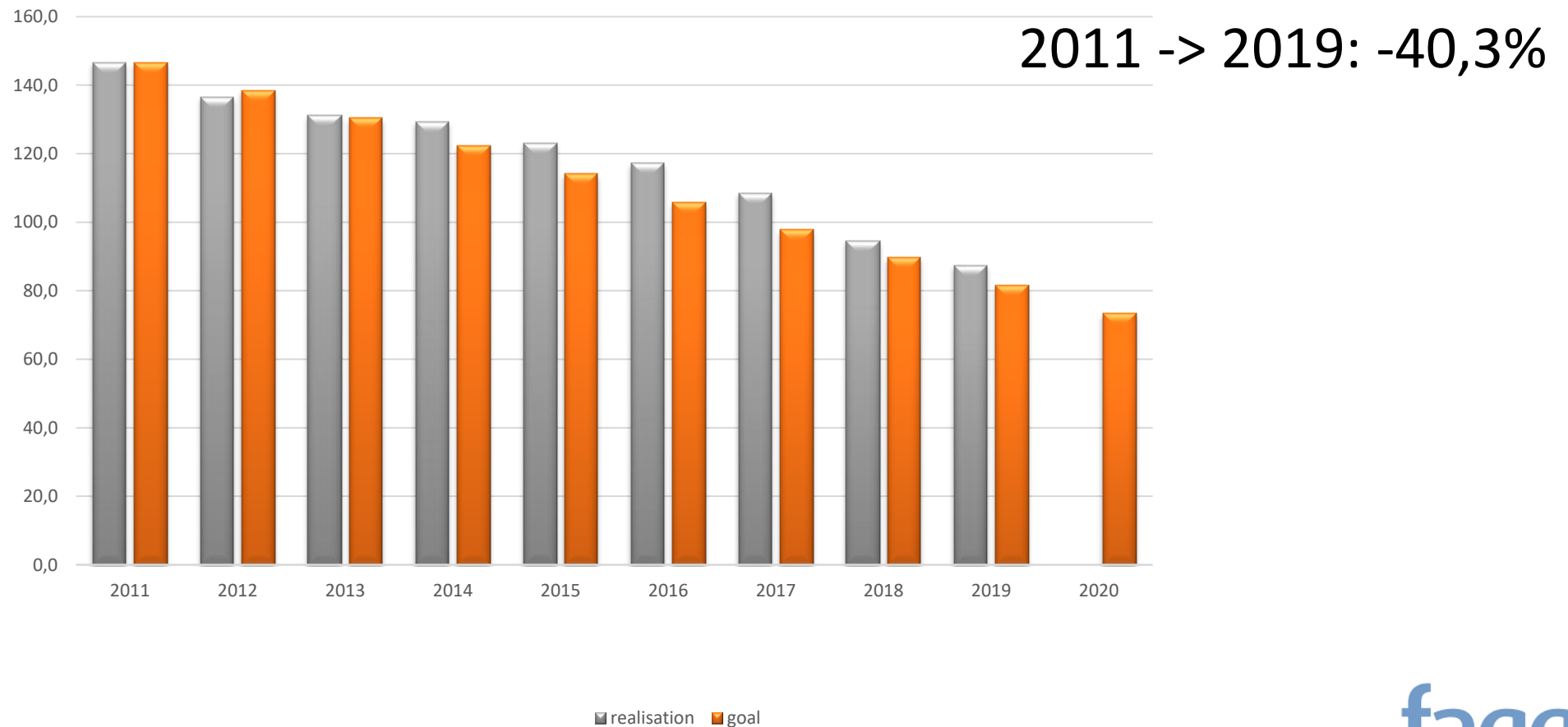


2011 -> 2019: -71,1%

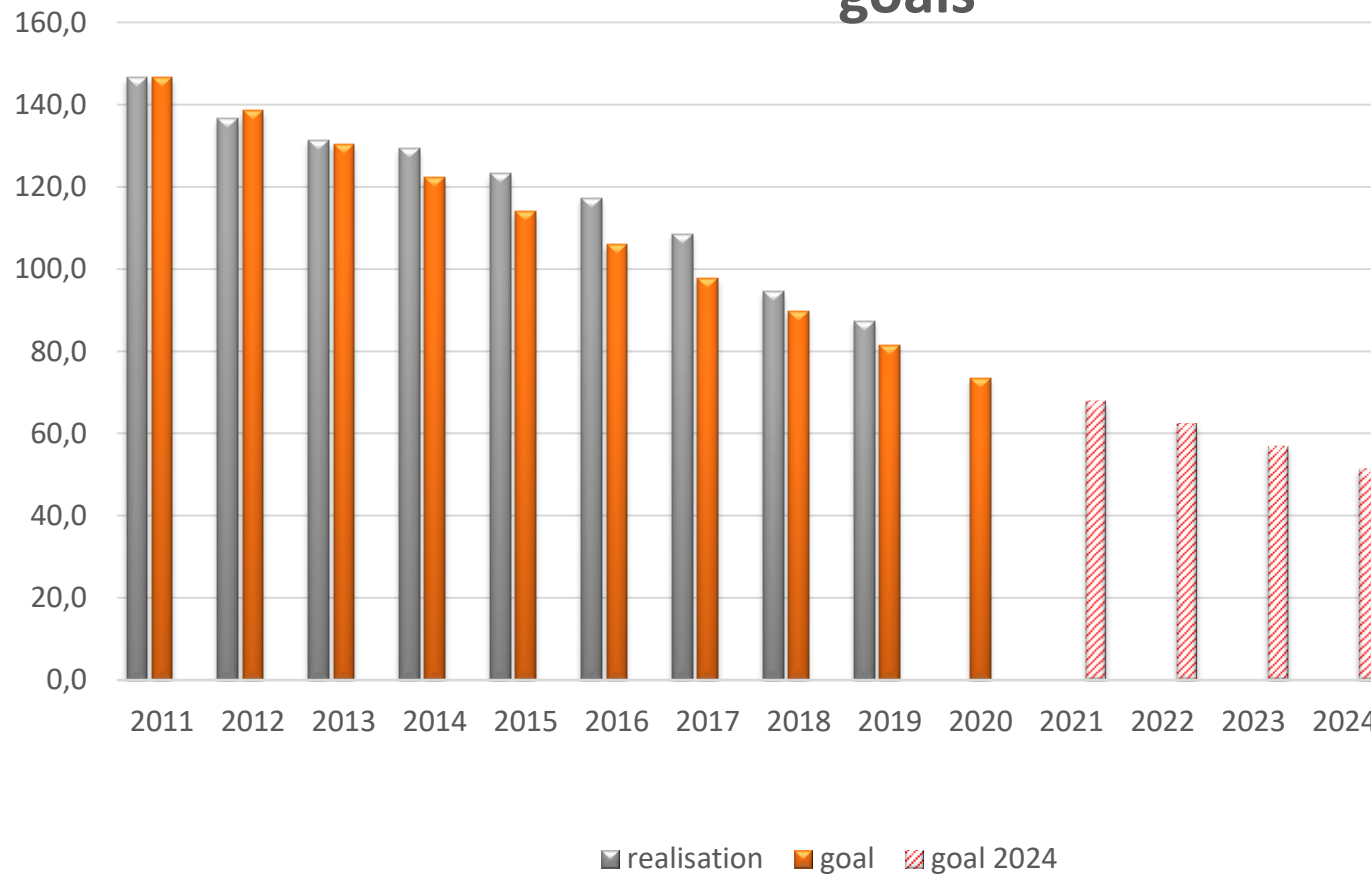
Evolution premix use in reference to AMCRA 2024 goals



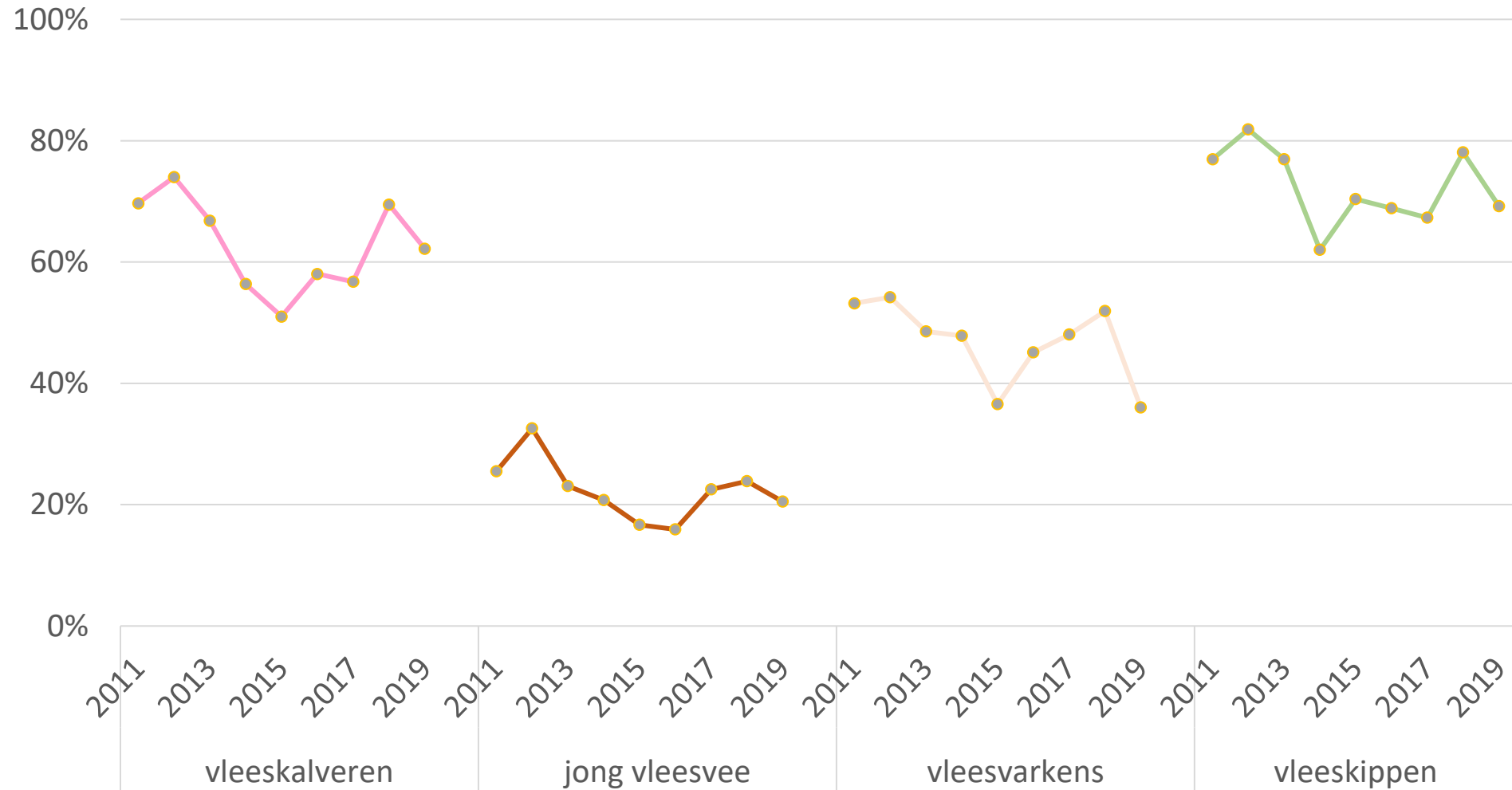
Evolution total consumption in reference to 2011 (AMCRA 2020 plan)



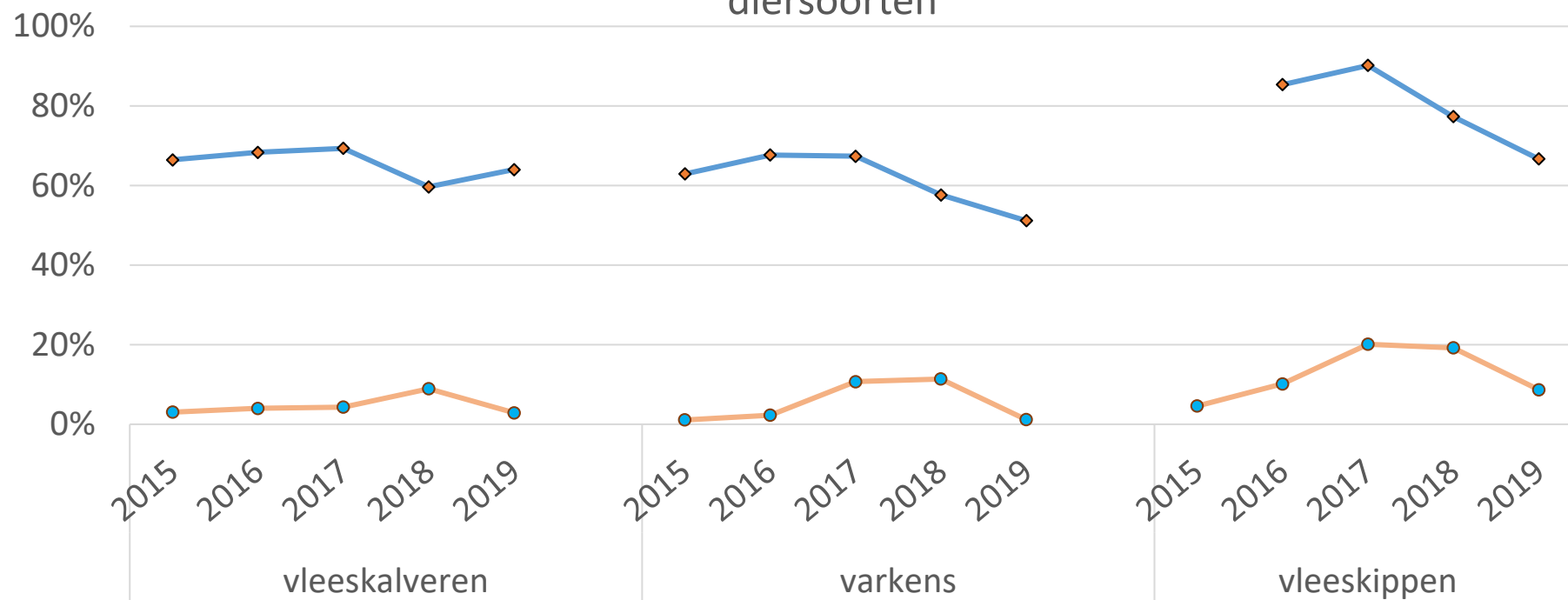
Evolution total consumption in reference to AMCRA goals



Multiresistente E. coli bij voedselproducerende diersoorten



Prevalentie ESBL-producerende E. coli bij voedselproducerende diersoorten



◆ Prevalentie op basis van de selectieve monitoring

● Prevalentie op basis van de niet-selectieve monitoring

Prevalentie MRSA bij voedselproducerende diersoorten

