



Belgian Veterinary Surveillance of Antibacterial Consumption

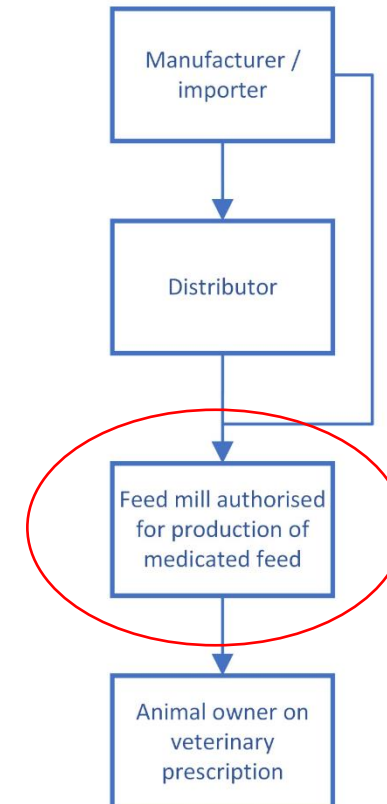
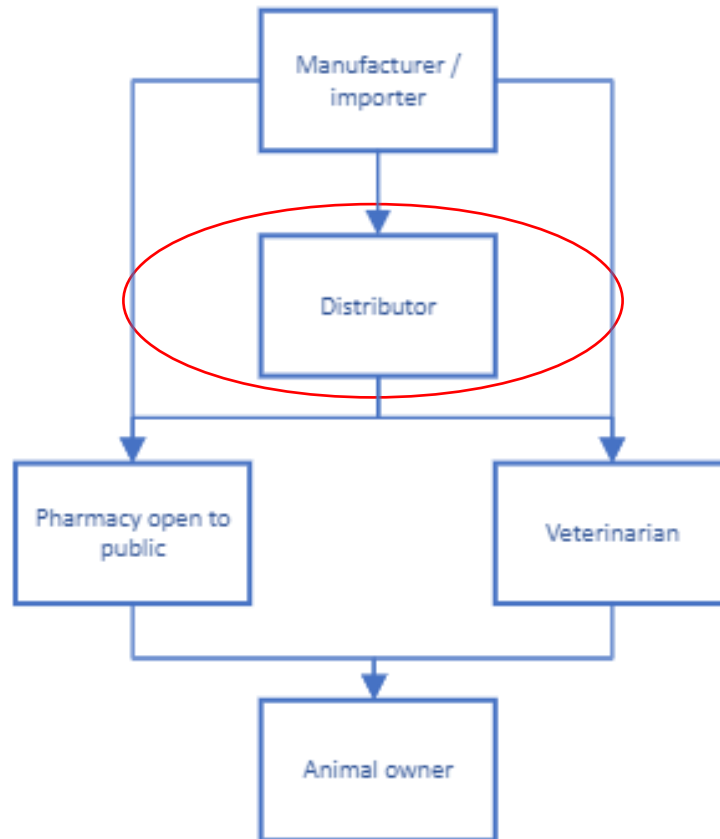
National consumption report

2022

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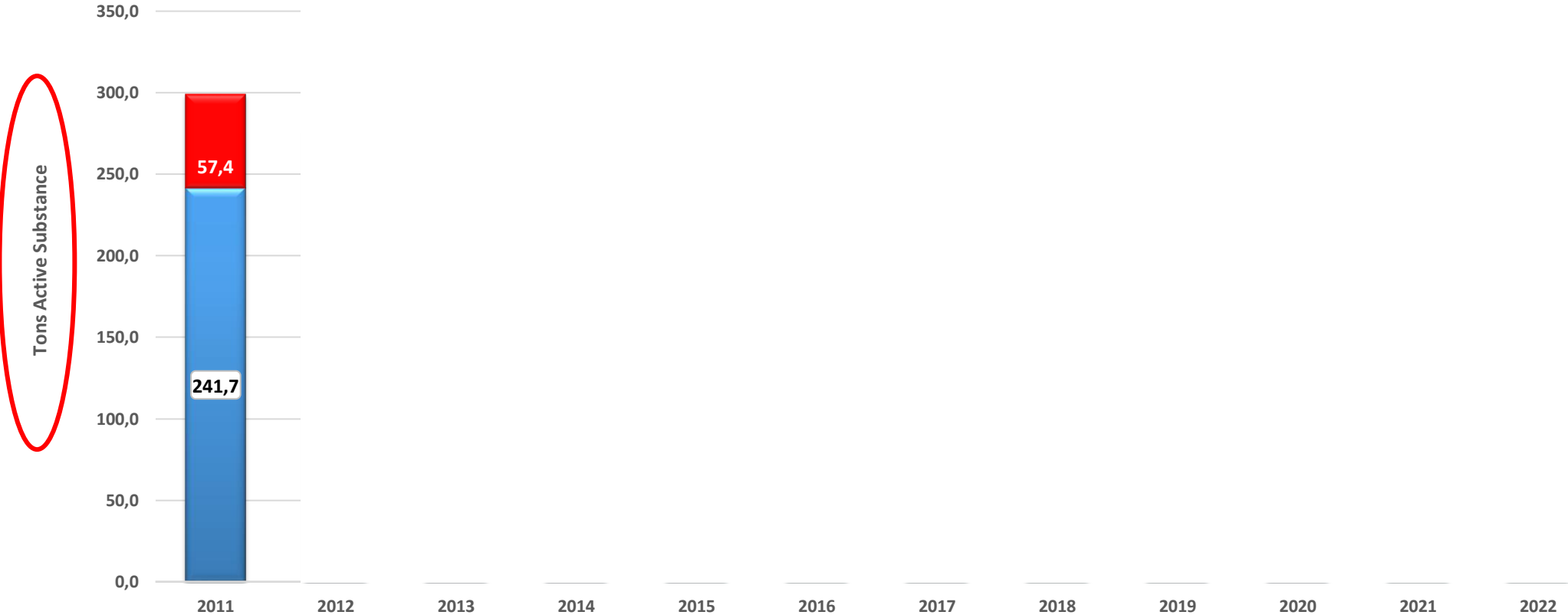


Biomassa geproduceerd tussen 2017 en 2022

Animal biomass	2017	2018	2019	2020	2021	2022
Meat (tonnes)						
Pork	1 044 560	1 073 120	1 038 916	1 098 710	1 140 740	1 032 200
Beef	281 540	277 310	263 749	254 500	247 060	238 140
Poultry	463 390	469 590	447 786	448 970	455 120	449 040
Sheep/goat	3 230	3 090	3 010	2 830	3 050	2 510
Total biomass from meat production	1 792 720	1 823 110	1 753 487	1 805 010	1 845 970	1 719 380
Dairy cattle						
Dairy cattle (number)	519 160	529 250	537 960	541 090	537 250	543 680
Dairy cattle metabolic weight (tonnes)	259 580	264 625	268 980	270 545	268 625	271 840
Total biomass (tonnes)	2 052 300	2 087 735	2 022 450	2 075 555	2 114 595	1 993 730
Evolution since previous year	-0,76%	+ 1,73%	-3,13%	+2,63%	+1,88%	-5,7%

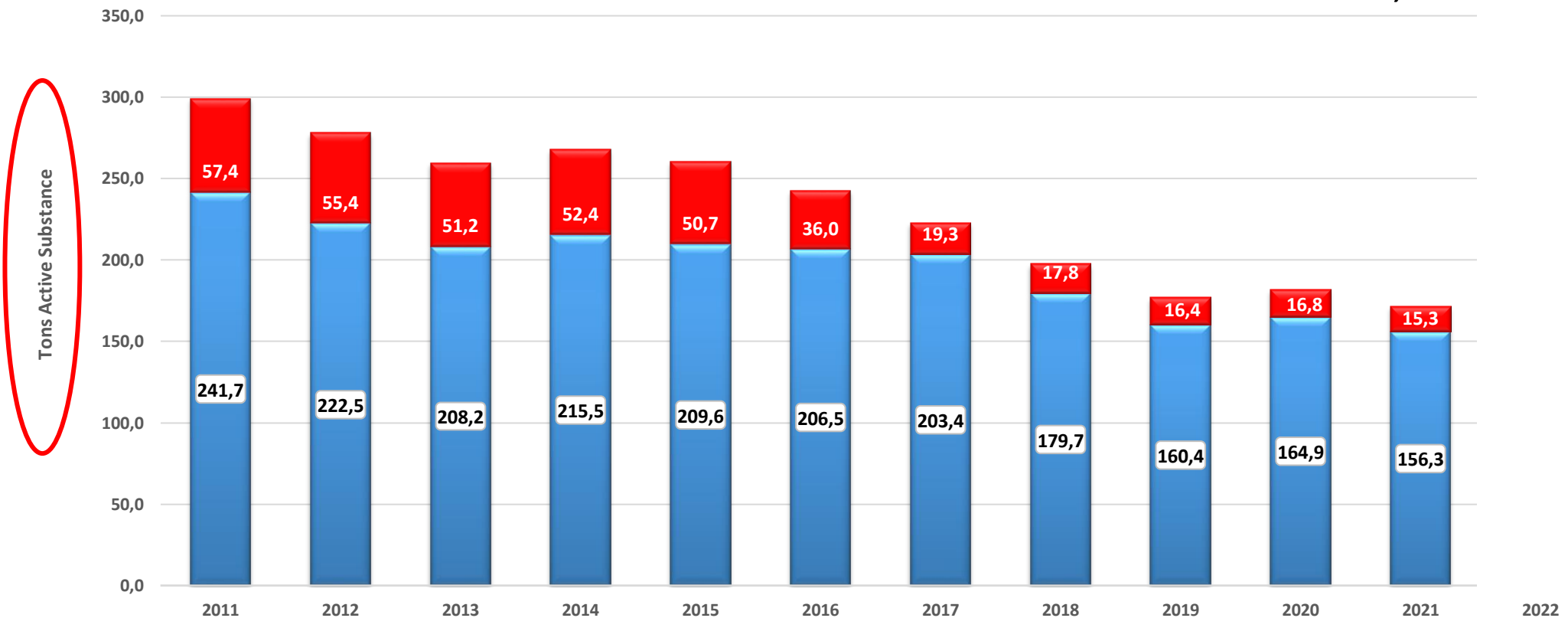
Tussen 2011 – 2022 is biomassa met 2,3% afgenomen

Medicated Premixes & Pharmaceuticals

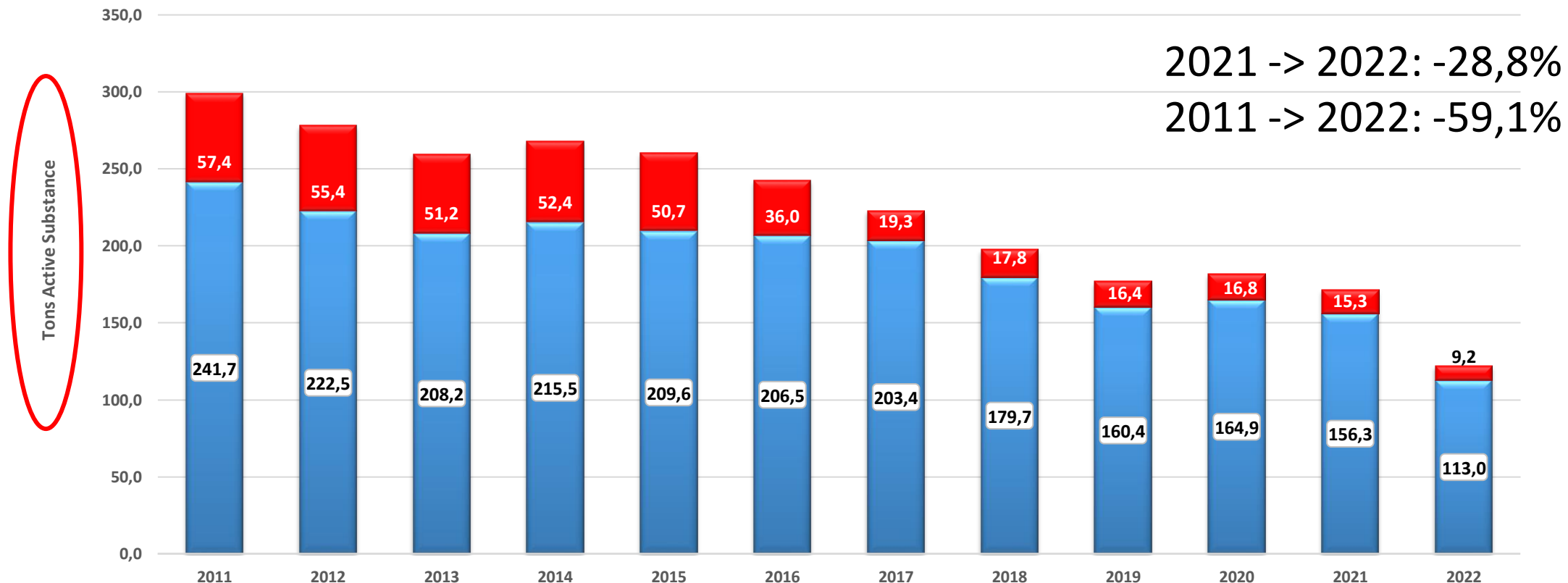


Medicated Premixes & Pharmaceuticals

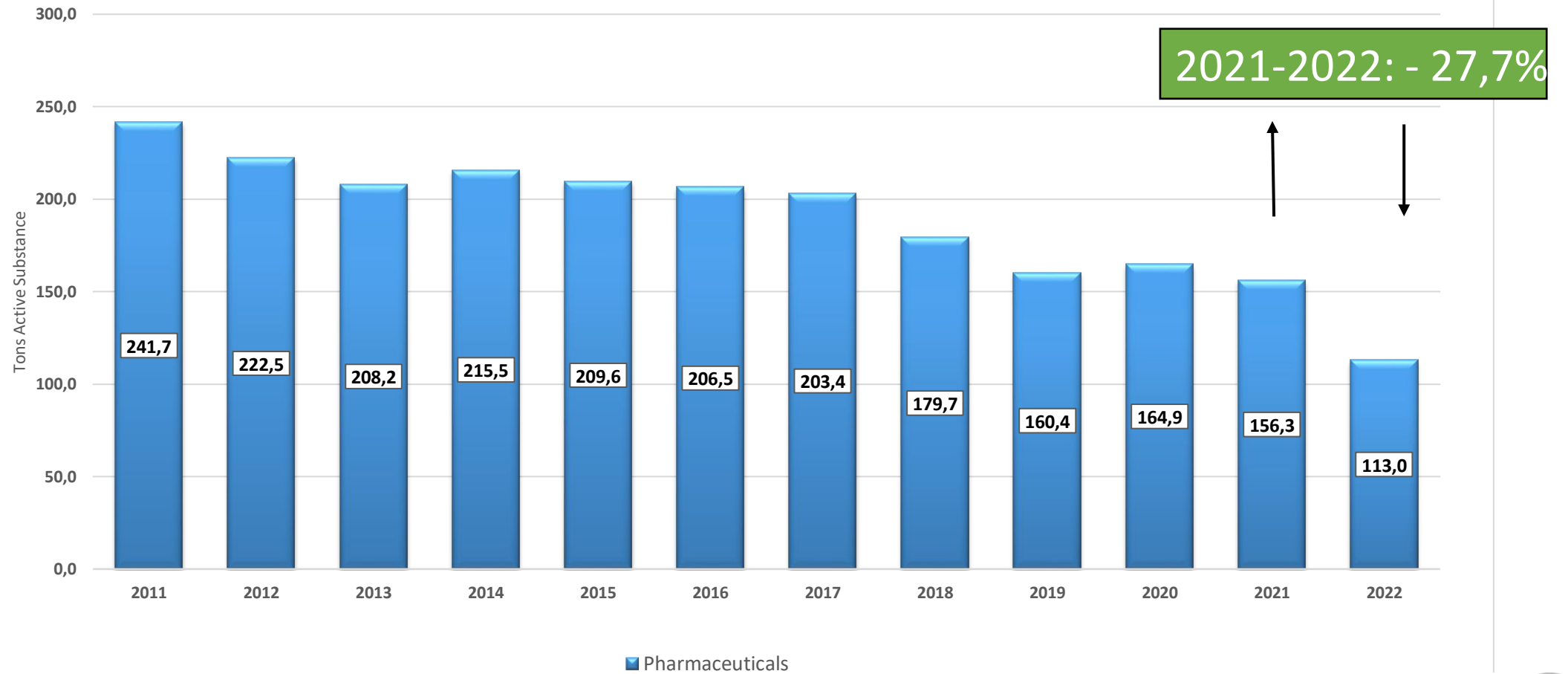
2011 -> 2022: -42,6%



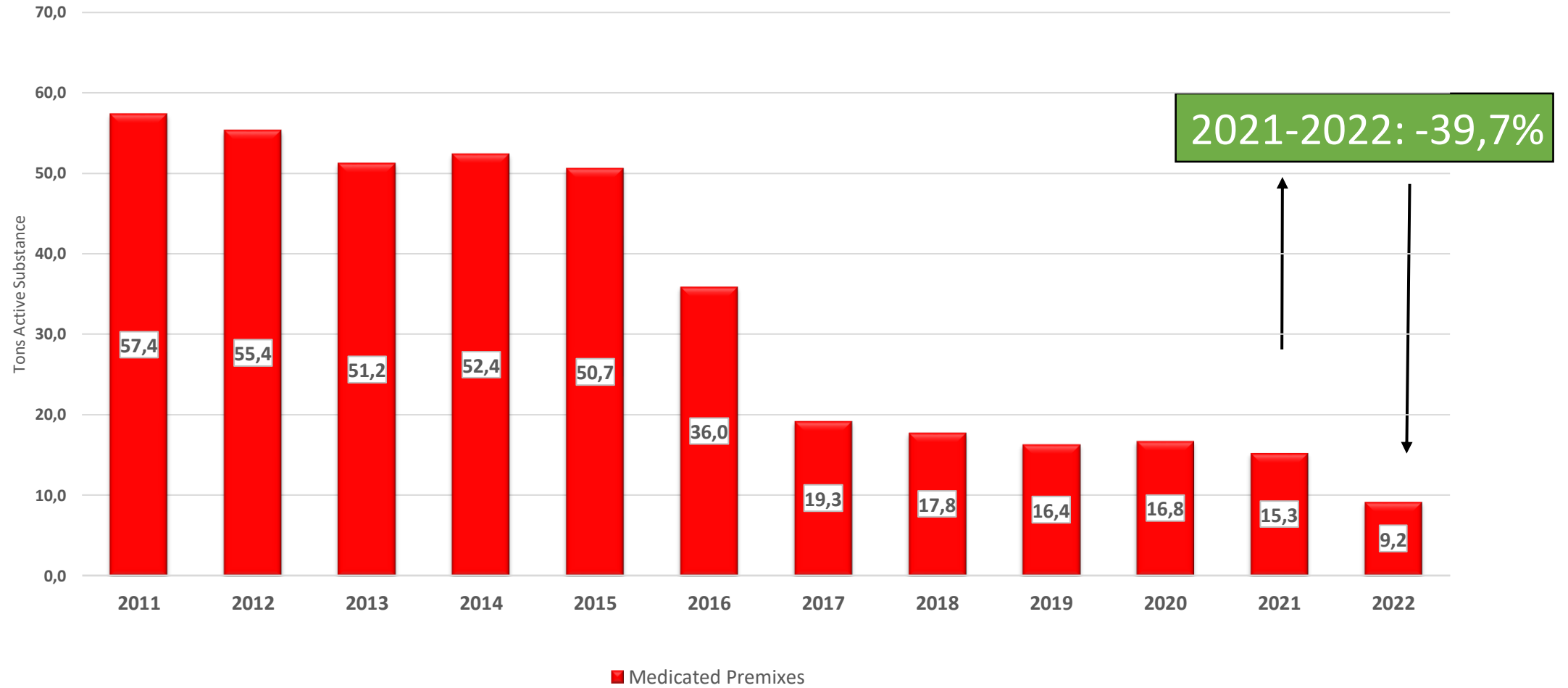
Medicated Premixes & Pharmaceuticals

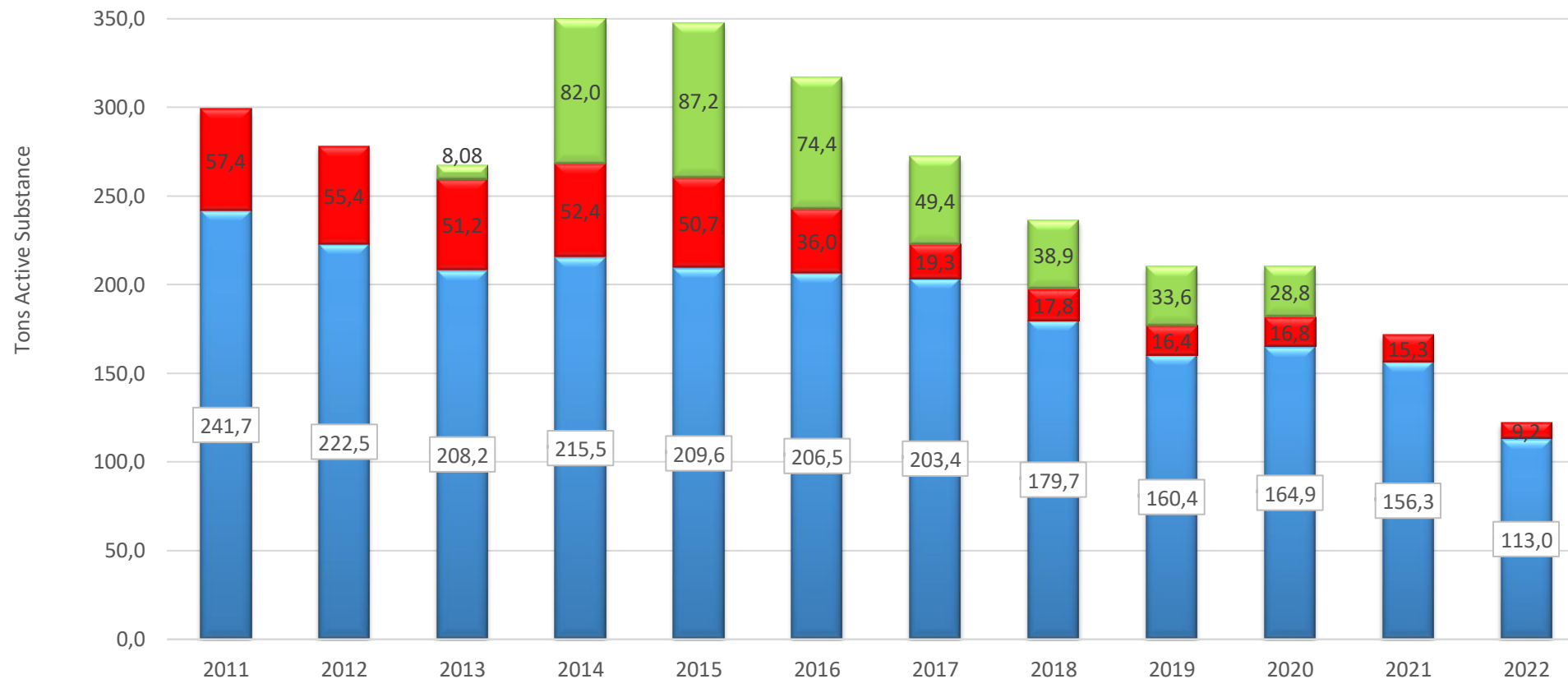


Pharmaceuticals

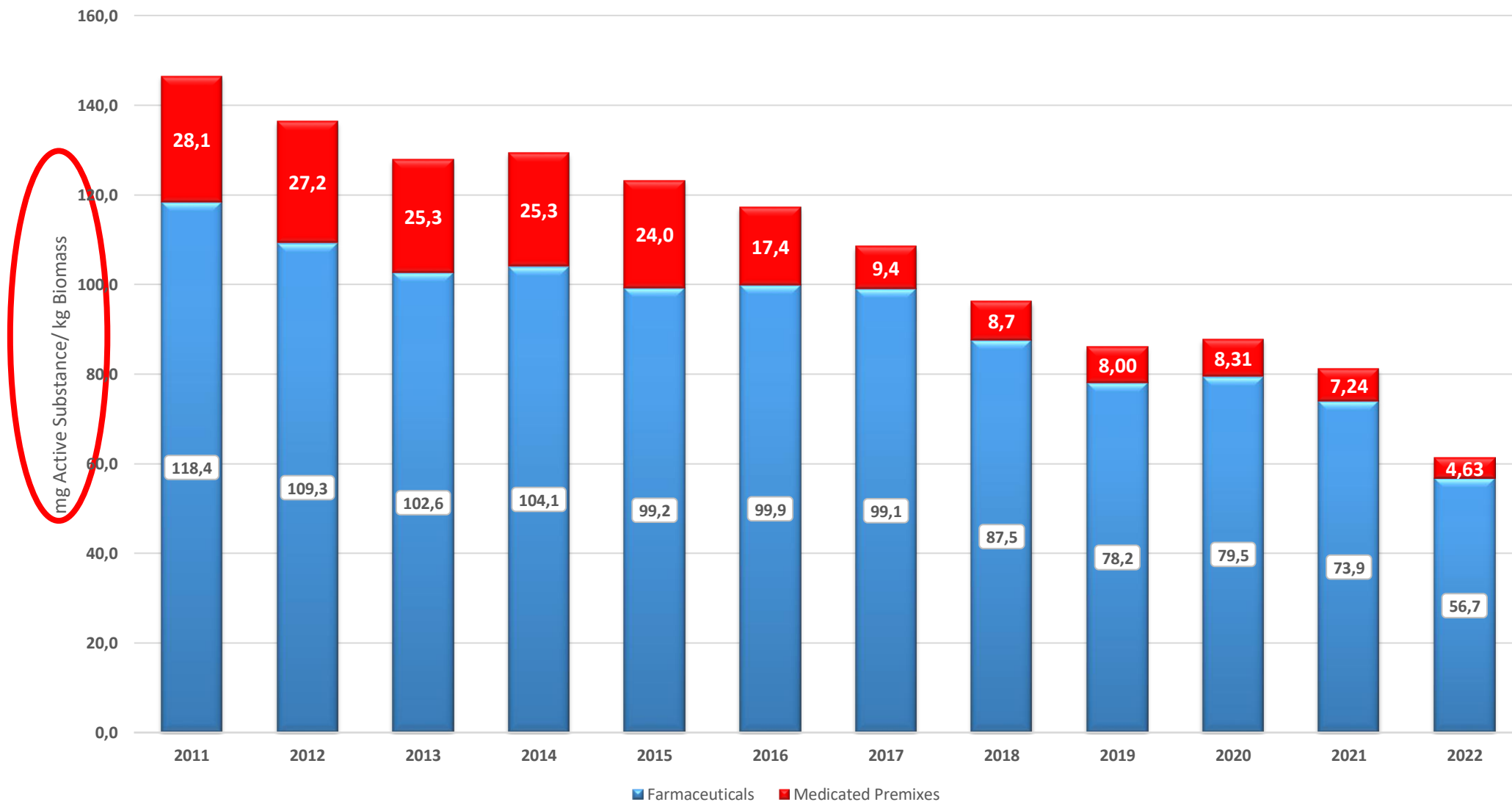


Medicated Premixes



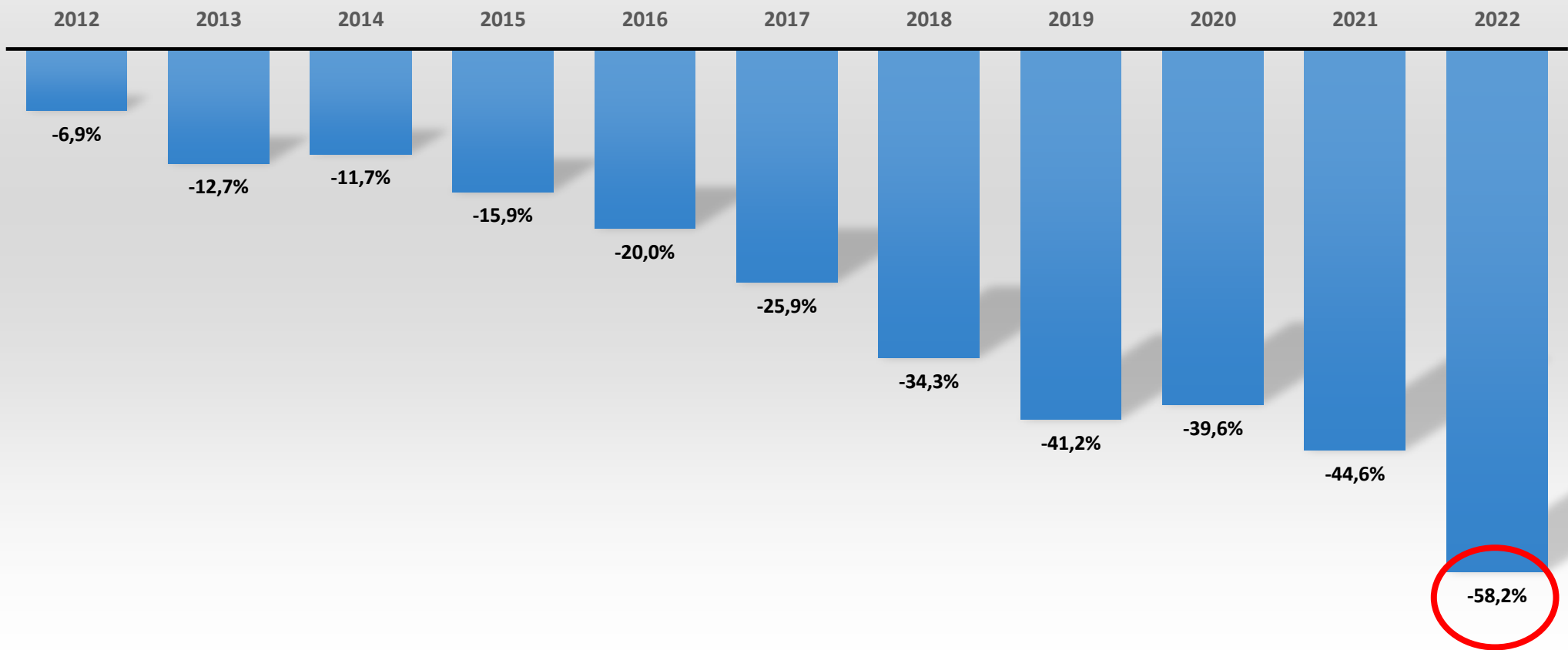


■ Pharmaceuticals ■ Medicated Premixes ■ Zink oxide (Zno)



2021 -> 2022: -24,5%

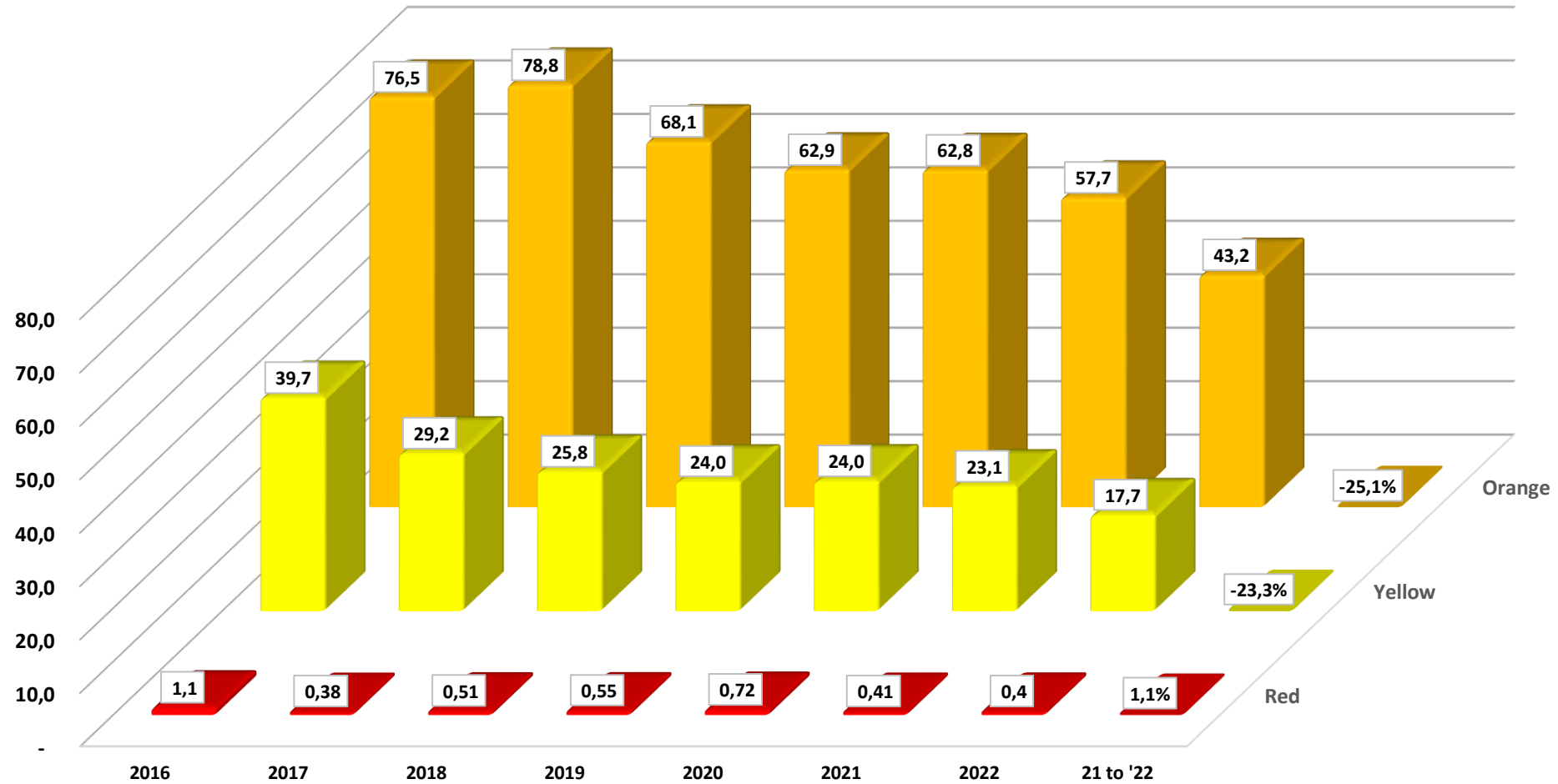
Evolution of Antimicrobial consumption per biomass compared to 2011



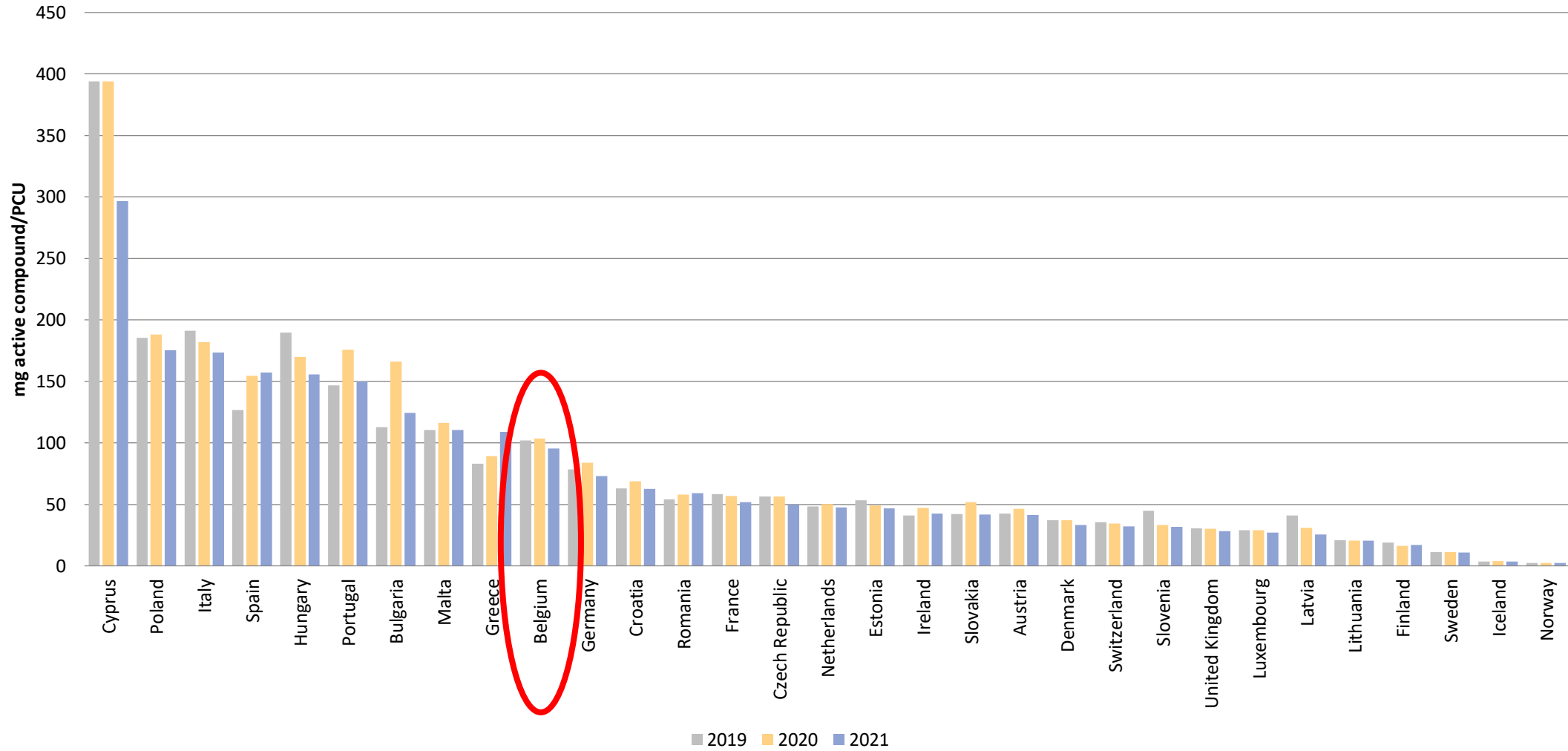
Class AB Mg/kg Biomass	2018	2019	2020	2021	2022	'18 » '19	'19 » '20	'20 » '21	'21 » '22	2022%
Penicillins	35,78	34,63	35,37	31,59	24,80	-3,2%	2,1%	-10,7%	-21,5%	38,93
Sulphonam & Trimethoprim	17,49	16,69	17,06	16,36	11,52	-4,5%	2,2%	-4,1%	-29,6%	20,16
Tetracyclines	23,96	18,35	17,26	15,83	12,16	-23,4%	-5,9%	-8,3%	-23,2%	19,51
Macrolides	8,12	8,09	8,75	8,36	5,81	-0,4%	8,1%	-4,4%	-30,5%	10,31
Polymixins	1,69	1,50	1,33	1,17	0,52	-11,2%	-11,3%	-12,3%	-55,3%	1,44
Aminosides	3,93	4,71	4,41	4,65	3,59	20,0%	-6,5%	5,5%	-22,9%	5,74
Quinolones	0,44	0,48	0,66	0,36	0,36	10,0%	36,2%	-45,9%	0,4%	0,44
Other**	1,05	0,82	0,47	0,37	0,30	-21,4%	-42,7%	-22,1%	-18,5%	0,45
Phenicols	1,59	1,56	1,57	1,81	1,57	-1,8%	0,3%	15,4%	-13,2%	2,23
Cephalosporins 1° & 2° G	0,37	0,52	0,62	0,60	0,61	38,1%	19,8%	-3,9%	2,1%	0,73
Cephalosporins 3° & 4° G	0,07	0,07	0,07	0,06	0,06	-2,6%	2,3%	-13,3%	5,3%	0,07
Total mg/kg Biomas	94,50	87,43	87,57	81,15	61,29	-7,5%	0,2%	-7,3%	-24,5%	100
Totaal biomassa cfr. Grave et al., 2010)*	2.087.735	2.022.450	2.075.555	2.114.595	1.993.730	-3,1%	2,6%	1,9%	-5,7%	

Polymyxins 2012 -> 2022: -89,2%

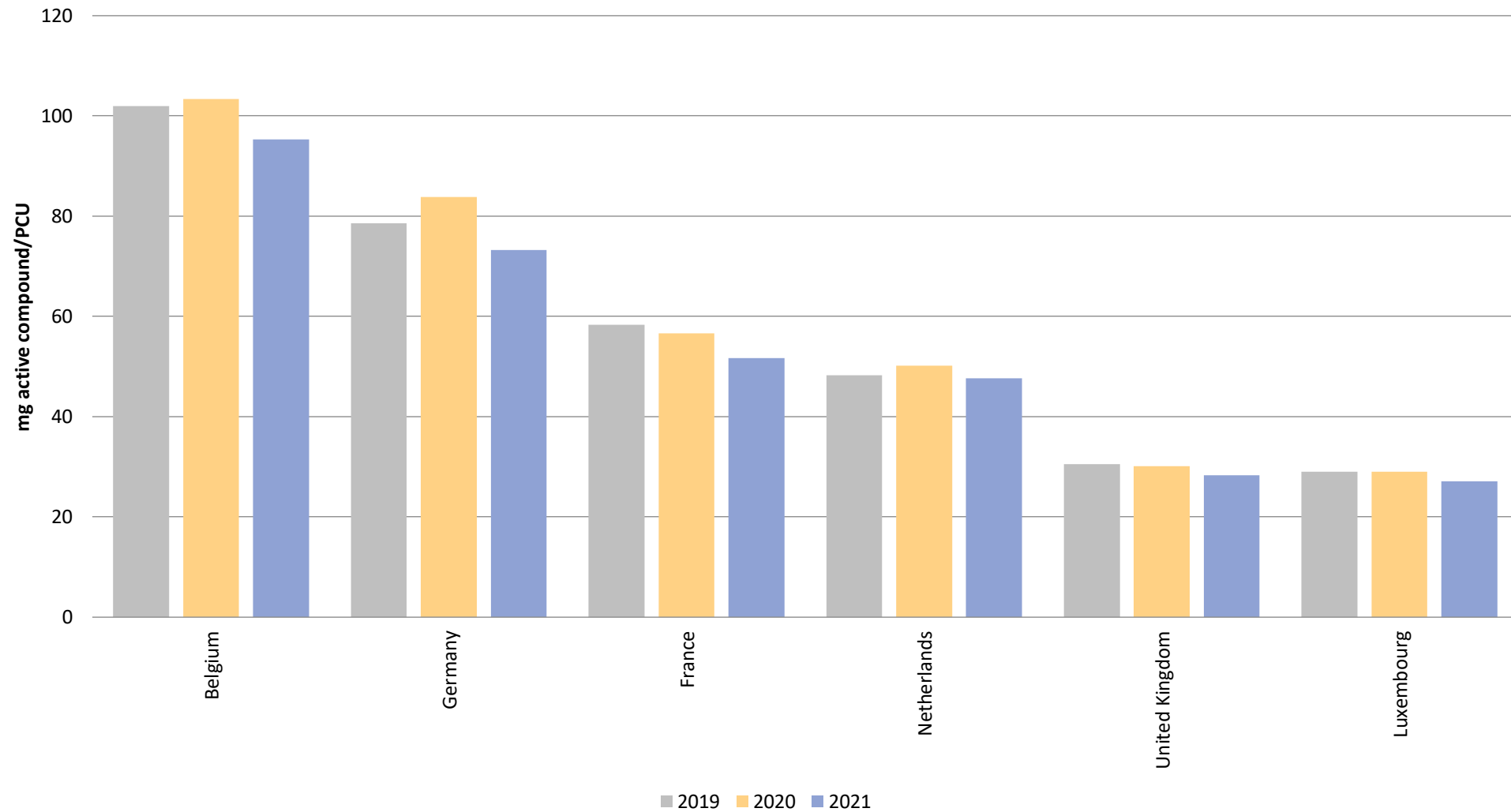
Antimicrobial pharmaceuticals and medicated premixes (mg/kg biomass)



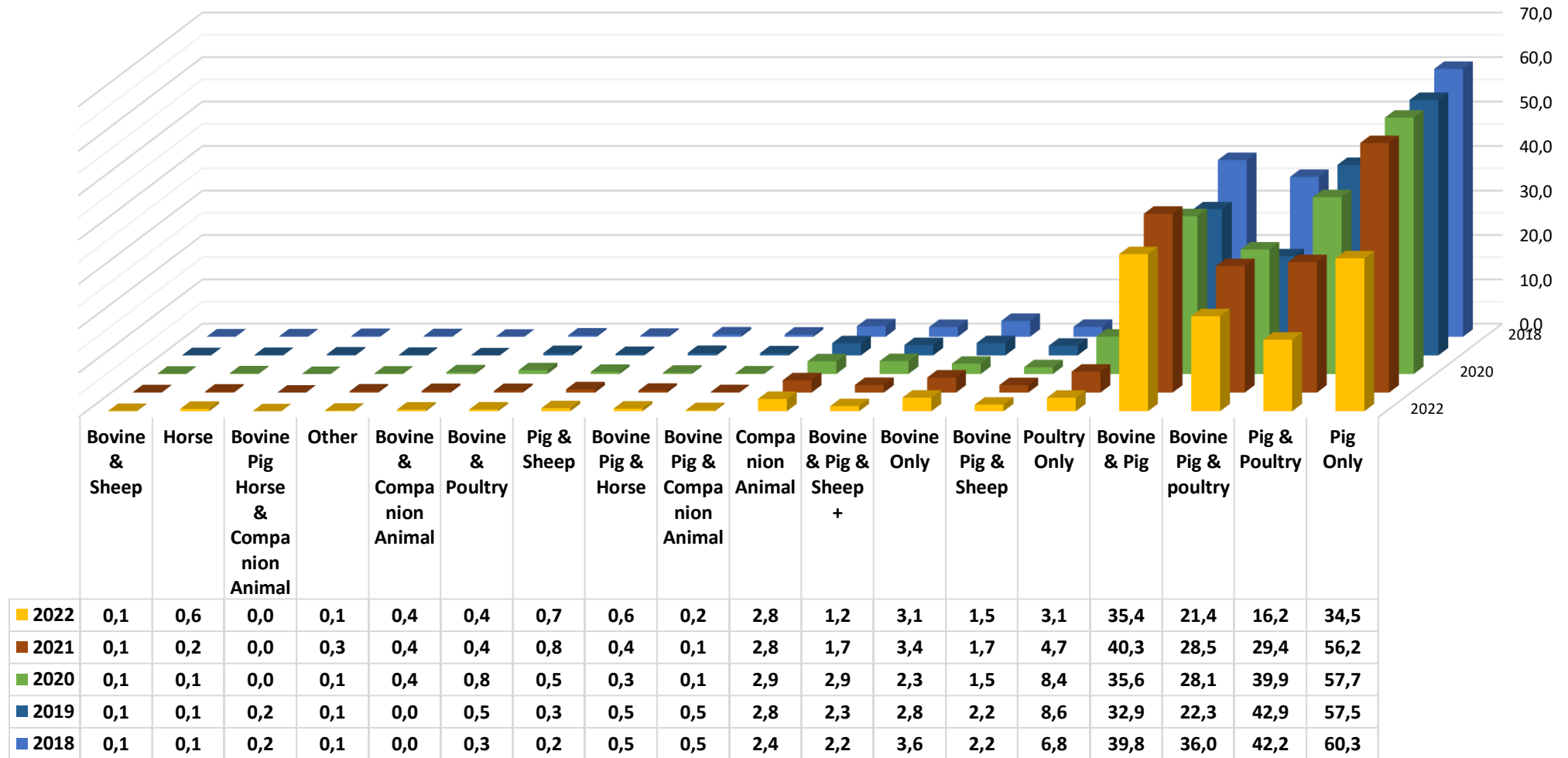
Antimicrobial use in mg/PCU (ESVAC)



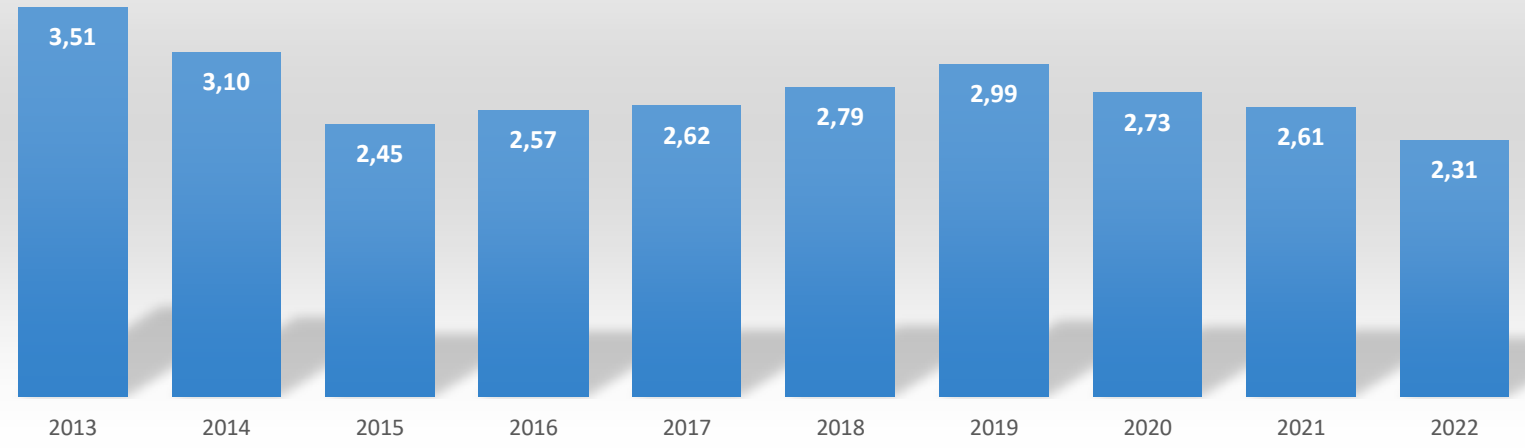
Antimicrobial use in mg/PCU (ESVAC) of Belgium and neighbouring countries



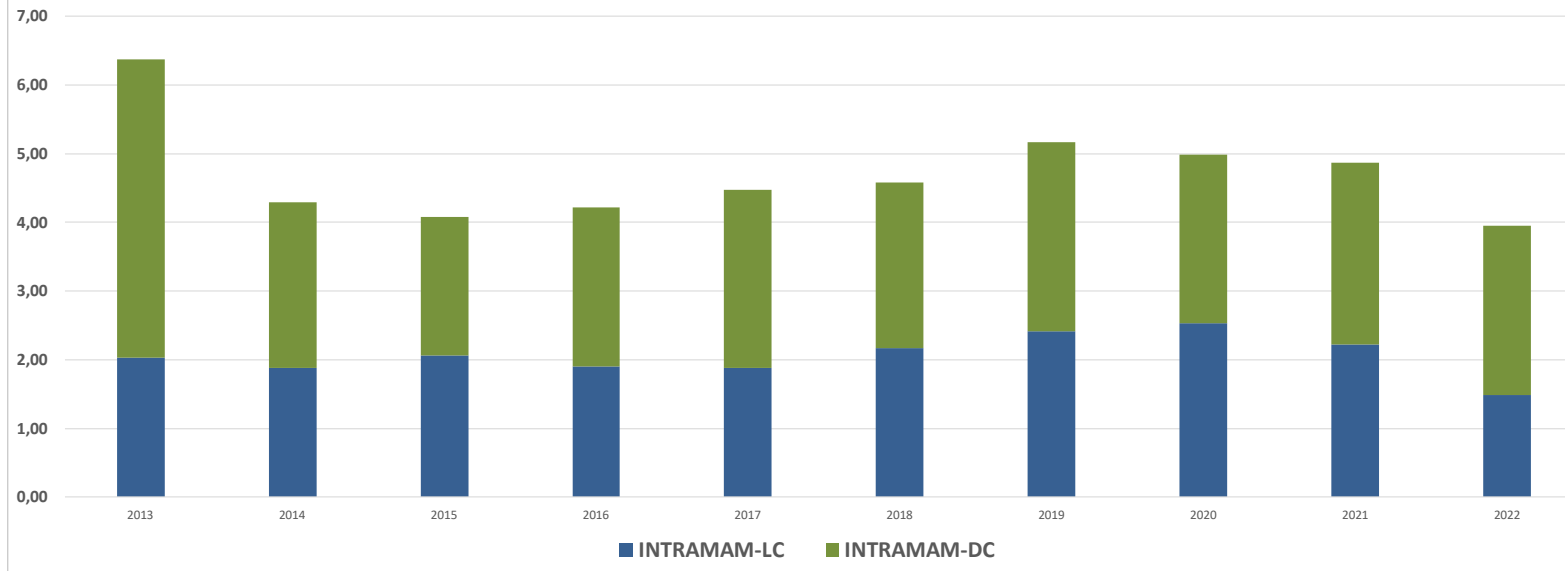
Total sales of tonne active ingredient by species indicated



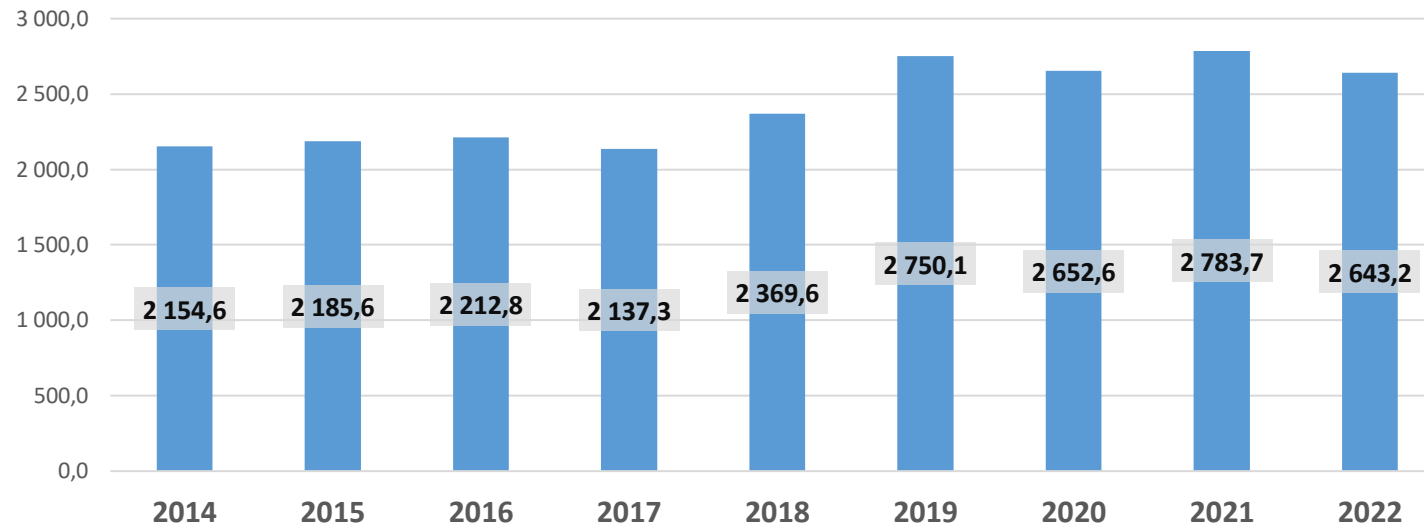
Intramammary antibacterial consumption per kg of biomass of dairy cows



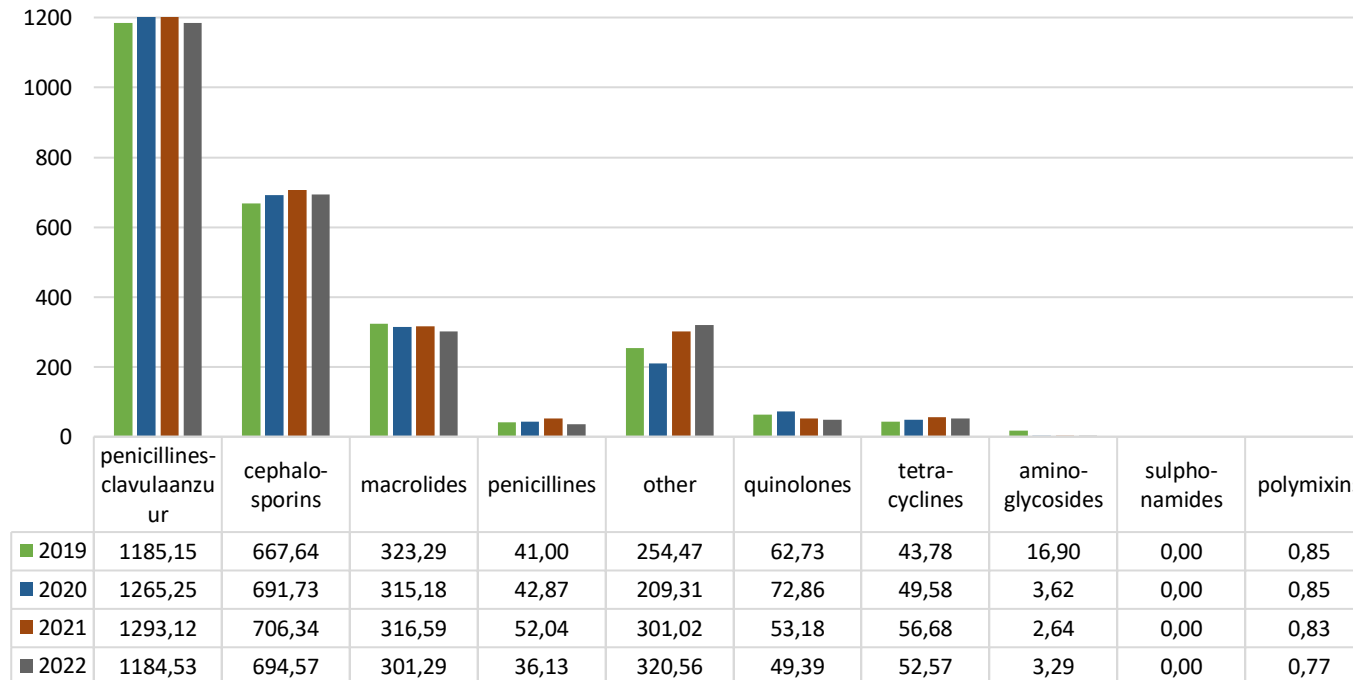
Number of Applicator LC & DC / Cow / Year



kg active compound of antibacterial products in dogs and cats

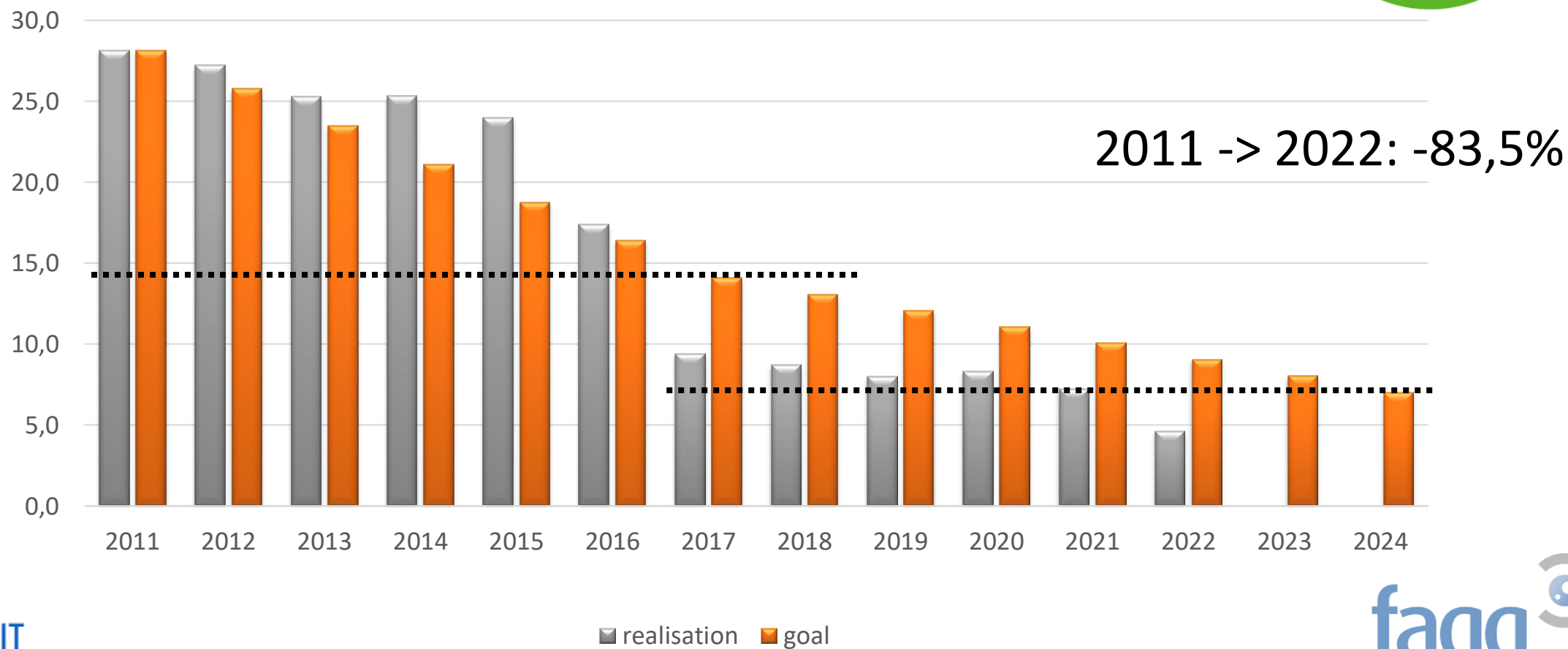


use (kg active compound) of different antibacterial classes in cats and dogs



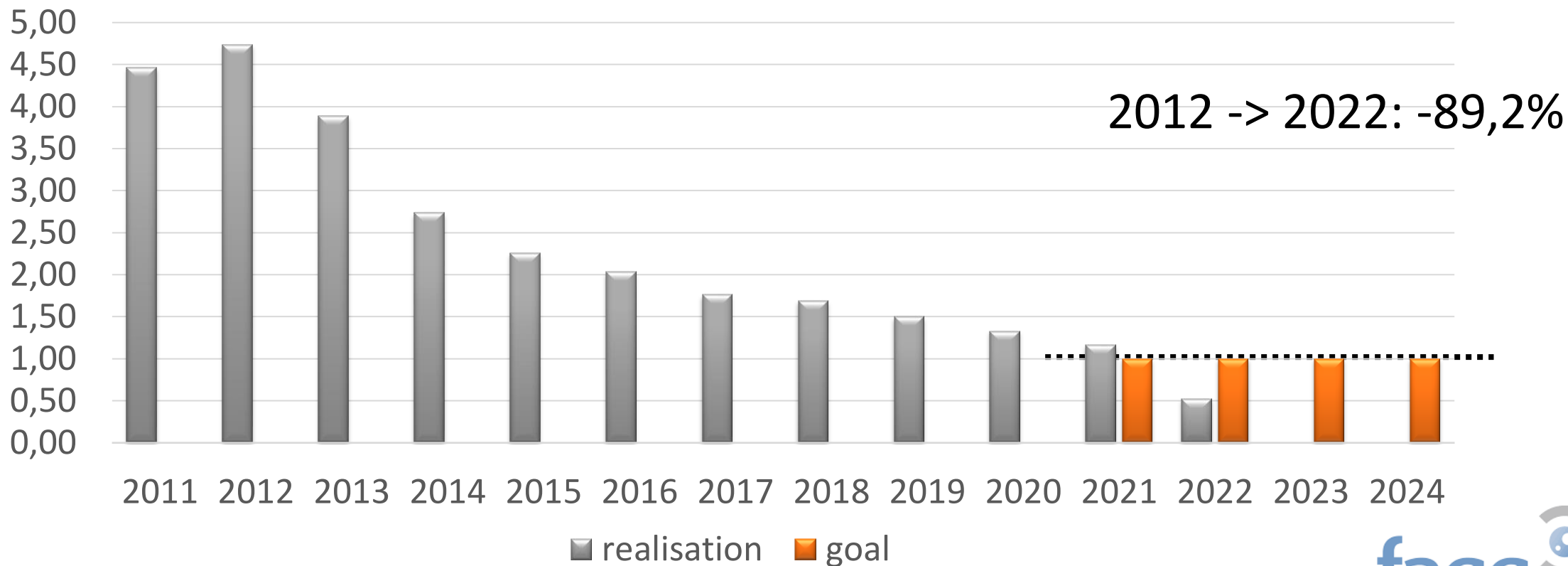


Evolution of premix consumption in reference to 2011 (AMCRA 2024 plan)



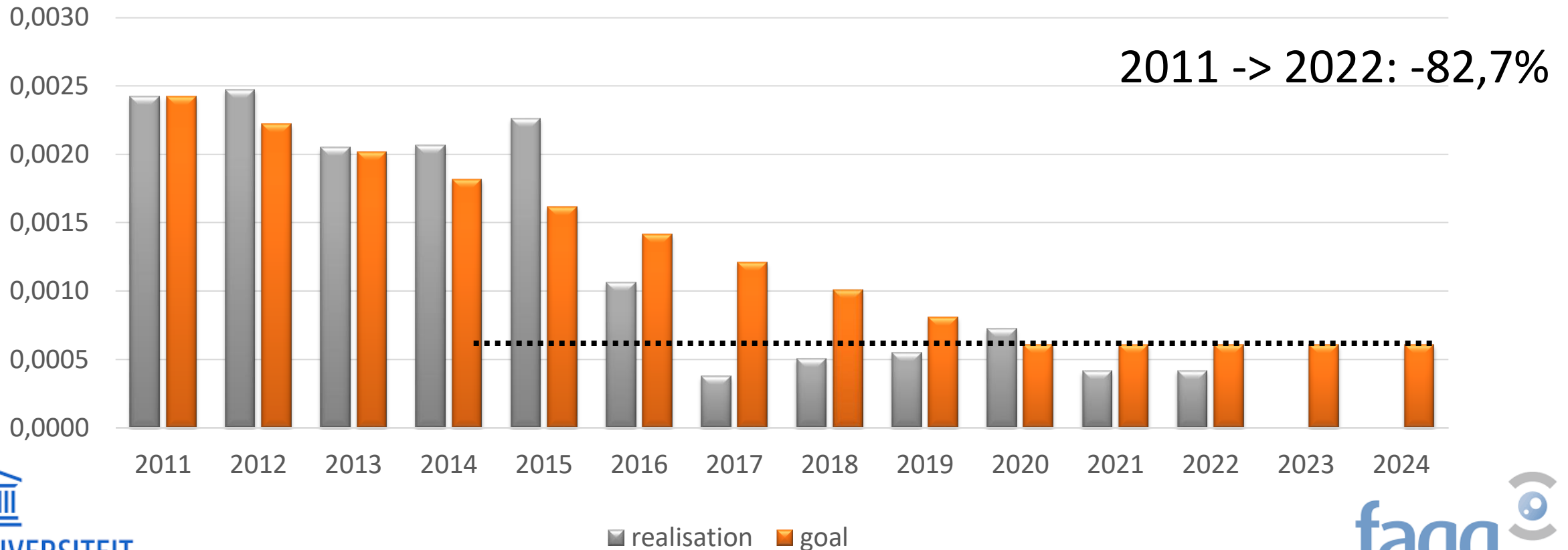


Evolution of polymyxin use (AMCRA 2024 plan)

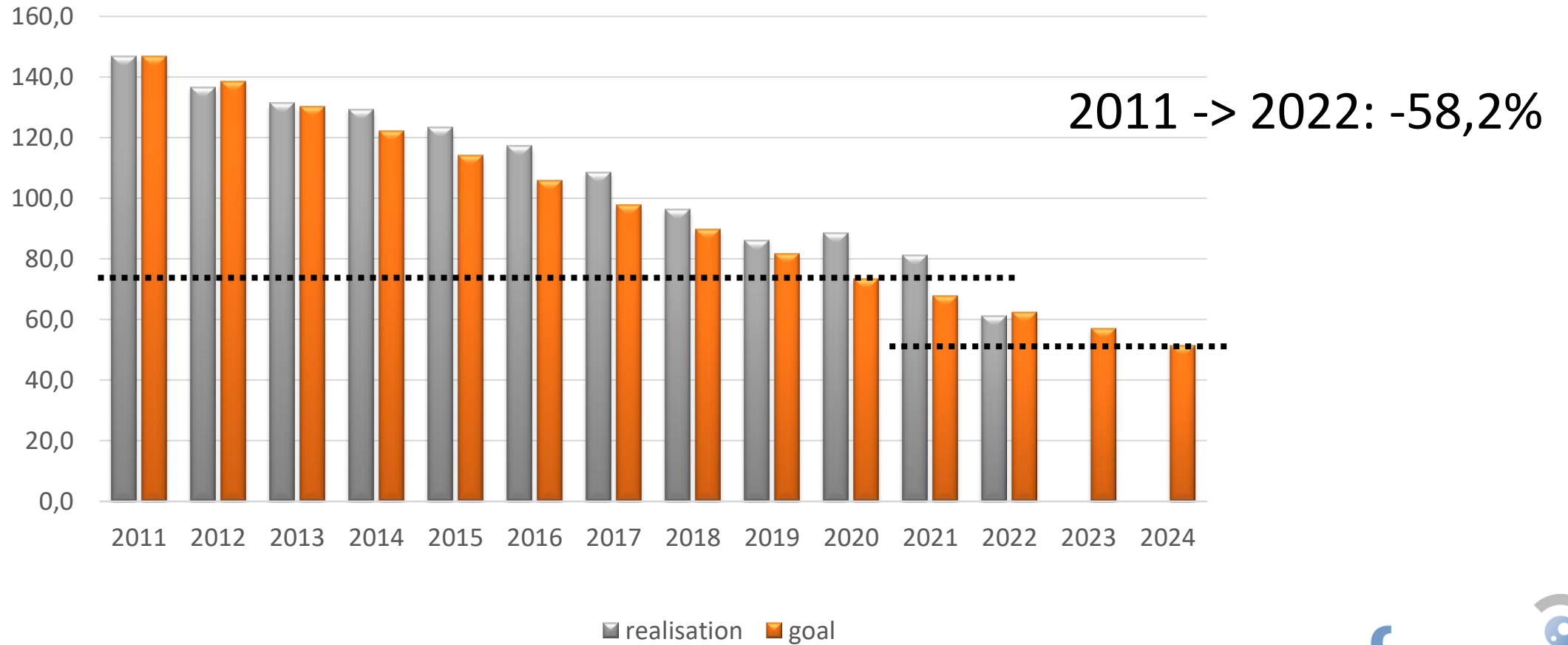




Evolution total consumption of red molecules in reference to 2011 (AMCRA 2024 plan)



Evolution total consumption in reference to 2011 (AMCRA 2024 plan)





Never ever give up!

