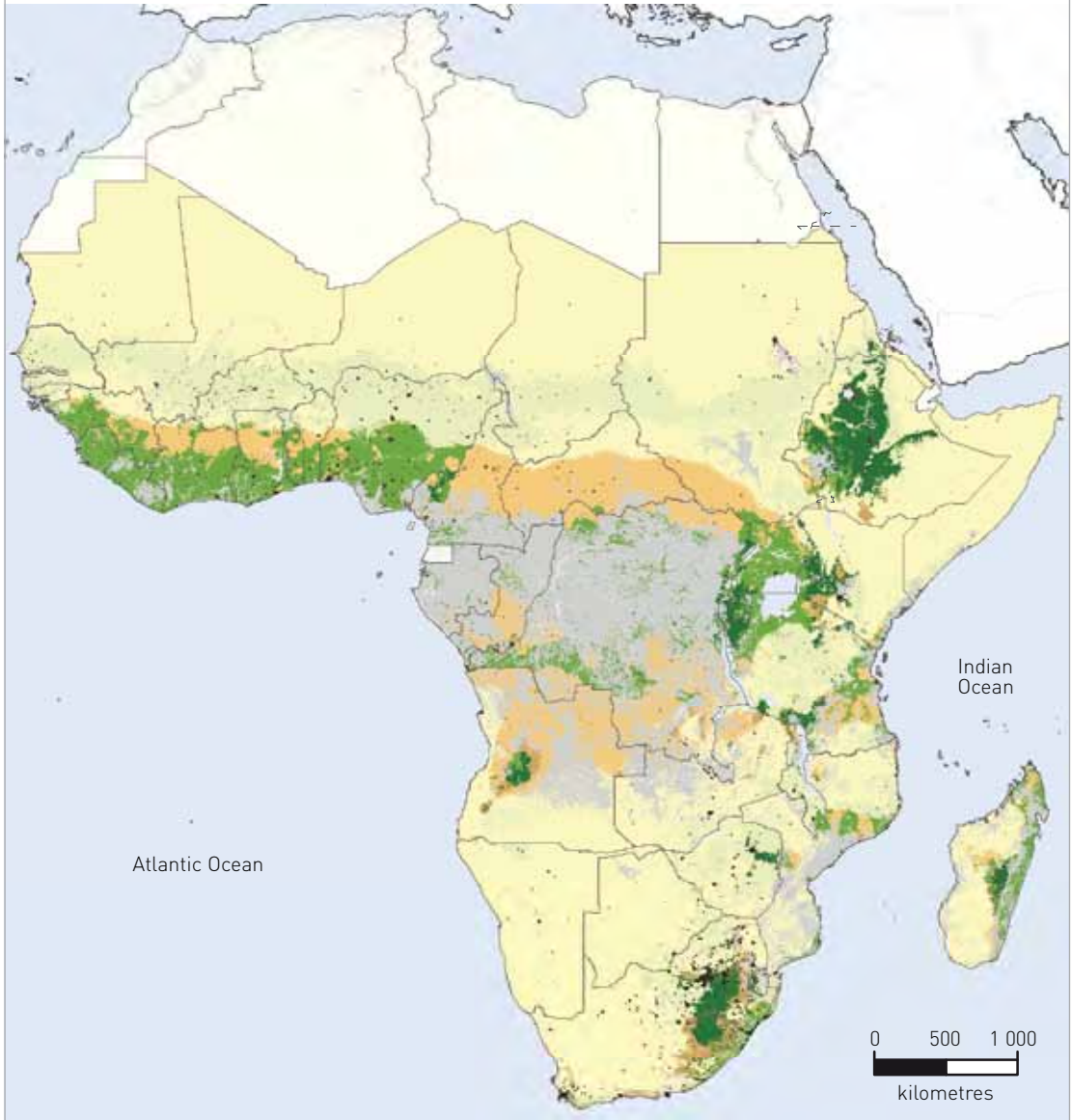













# APPENDIX **G**

LIVESTOCK PRODUCTION SYSTEMS AND ESTIMATED NUMBERS  
OF RURAL POOR LIVESTOCK KEEPERS IN THE SUB-SAHARAN AFRICA (SSA) REGION

**G** LIVESTOCK PRODUCTION SYSTEMS (VERSION 5)



 LGA	 MRA	 MIA	 Urban areas
 LGH	 MRH	 MIH	 Other
 LGT	 MRT	 MIT	

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Angola</b>											
National rural poverty	371 476	1 087 110	130 379	24 281	180 321	367 981	39	0	0	363 910	2 525 497
Internat. poverty rate \$1.25	367 221	1 073 310	130 330	24 158	165 510	325 161	36	0	0	363 718	2 449 444
Internat. poverty rate \$2.00	708 750	1 341 570	172 975	31 568	207 675	422 253	46	0	0	479 712	3 364 549
<b>Benin</b>											
National rural poverty	186 263	74 173	0	340 522	1 031 660	0	138	2 969	0	9 373	1 645 098
Internat. poverty rate \$1.25	190 279	77 314	0	348 881	1 069 440	0	141	3 058	0	9 610	1 698 723
Internat. poverty rate \$2.00	317 195	122 725	0	548 840	1 696 100	0	226	4 897	0	15 320	2 705 303
<b>Botswana</b>											
National rural poverty	185 877	0	0	103 295	0	0	21	0	0	49	289 242
Internat. poverty rate \$1.25	70 809	0	0	43 348	0	0	3	0	0	29	114 189
Internat. poverty rate \$2.00	179 420	0	0	90 562	0	0	5	0	0	40	270 027
<b>Burkina Faso</b>											
National rural poverty	418 480	23 148	0	3 909 660	5 947	0	1 682	0	0	2 611	4 361 528
Internat. poverty rate \$1.25	442 349	24 093	0	4 138 610	6 370	0	1 813	0	0	2 683	4 615 918
Internat. poverty rate \$2.00	644 164	35 643	0	5 947 570	8 929	0	2 578	0	0	3 917	6 642 801
<b>Burundi</b>											
National rural poverty	0	0	0	0	717 872	2 220 890	0	25 625	14 528	78 986	3 057 901
Internat. poverty rate \$1.25	0	0	0	0	904 384	2 796 090	0	32 315	18 308	99 814	3 850 911
Internat. poverty rate \$2.00	0	0	0	0	1 039 560	3 213 060	0	37 073	21 029	114 684	4 425 406
<b>Cameroon</b>											
National rural poverty	67 786	474 695	18 261	909 970	457 228	304 857	1 206	857	300	430 007	2 665 167
Internat. poverty rate \$1.25	36 723	283 471	10 648	531 327	264 260	179 231	720	509	180	197 898	1 504 967
Internat. poverty rate \$2.00	70 431	478 389	18 467	960 022	482 900	320 165	1 389	900	317	444 348	2 777 328
<b>Cape Verde</b>											
National rural poverty	4 955	0	0	60 249	0	5 139	1 243	0	18	62	71 666
Internat. poverty rate \$1.25	2 022	0	0	20 978	0	1 758	408	0	6	24	25 196
Internat. poverty rate \$2.00	3 907	0	0	41 151	0	3 582	849	0	12	42	49 543

(Continued)

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011) (Continued)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Central African Republic</b>											
National rural poverty	86 825	843 655	0	4 800	51 900	0	0	0	0	72 526	1 059 706
Internat. poverty rate \$1.25	90 193	927 698	0	5 069	56 149	0	0	0	0	83 382	1 162 491
Internat. poverty rate \$2.00	114 084	1 127 120	0	6 639	74 524	0	0	0	0	105 959	1 428 326
<b>Chad</b>											
National rural poverty	1 110 390	1 787	0	1 672 450	0	0	1 245	0	0	23 381	2 809 263
Internat. poverty rate \$1.25	1 404 260	2 033	0	2 015 480	0	0	1 452	0	0	28 709	3 451 934
Internat. poverty rate \$2.00	1 973 220	2 790	0	2 796 390	0	0	2 248	0	0	37 026	4 811 674
<b>Comoros</b>											
National rural poverty	30	0	0	0	53 097	5 412	0	71	0	39 738	98 348
Internat. poverty rate \$1.25	24	0	0	0	41 531	4 218	0	56	0	30 948	76 777
Internat. poverty rate \$2.00	33	0	0	0	58 717	6 001	0	79	0	43 779	108 609
<b>Congo</b>											
National rural poverty	10	173 790	0	0	54 850	0	0	0	0	101 389	330 039
Internat. poverty rate \$1.25	10	183 435	0	0	60 501	0	0	0	0	103 440	347 386
Internat. poverty rate \$2.00	13	251 964	0	0	80 917	0	0	0	0	150 830	483 724
<b>Cote d'Ivoire</b>											
National rural poverty	60 261	449 567	0	52 329	3 252 610	156	187	9 554	0	163 607	3 988 271
Internat. poverty rate \$1.25	24 524	194 342	0	18 999	1 302 400	61	76	3 749	0	67 129	1 611 280
Internat. poverty rate \$2.00	46 104	374 987	0	40 220	2 609 620	130	136	7 619	0	129 681	3 208 497
<b>Democratic Republic of the Congo</b>											
National rural poverty	151 956	2 138 470	28 735	22 514	5 451 680	1 196 810	0	1 660	0	5 201 920	14 193 745
Internat. poverty rate \$1.25	117 954	1 650 540	21 563	17 748	4 284 240	936 342	0	1 291	0	3 786 790	10 816 468
Internat. poverty rate \$2.00	159 099	2 228 770	29 868	23 557	5 768 140	1 256 590	0	1 700	0	5 473 760	14 941 484
<b>Eritrea</b>											
National rural poverty	406 079	0	245	798 225	0	295 770	2 071	0	1 589	6 567	1 510 546
Internat. poverty rate \$1.25	151	0	0	716	0	51	0	0	0	4	922
Internat. poverty rate \$2.00	310	0	0	1 405	0	100	0	0	0	7	1 822

(Continued)

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011) (Continued)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Ethiopia</b>											
National rural poverty	1 687 690	45 209	38 900	4 217 470	1 408 250	13 204 400	44 670	1 404	102 934	256 080	21 007 007
Internat. poverty rate \$1.25	1 564 880	41 520	35 354	3 666 430	1 225 760	11 461 000	38 575	1 217	89 037	226 180	18 349 953
Internat. poverty rate \$2.00	2 985 580	76 108	75 596	7 274 720	2 430 990	22 773 400	76 823	2 435	176 037	442 765	36 314 454
<b>Gabon</b>											
National rural poverty	271	3 532	0	0	8 119	0	0	0	0	16 016	27 938
Internat. poverty rate \$1.25	15	43	0	0	302	0	0	0	0	476	836
Internat. poverty rate \$2.00	99	1 106	0	0	2 437	0	0	0	0	8 763	12 405
<b>Gambia</b>											
National rural poverty	5 965	0	0	264 052	0	0	408	0	0	9 771	280 196
Internat. poverty rate \$1.25	631	0	0	20 466	0	0	47	0	0	833	21 977
Internat. poverty rate \$2.00	5 319	0	0	238 227	0	0	360	0	0	8 855	252 761
<b>Ghana</b>											
National rural poverty	71 121	238 893	0	411 937	2 152 940	0	498	450	0	92 392	2 968 231
Internat. poverty rate \$1.25	47 434	203 128	0	313 174	1 652 100	0	399	344	0	70 956	2 287 535
Internat. poverty rate \$2.00	90 700	327 066	0	560 994	2 952 320	0	695	636	0	127 635	4 060 046
<b>Guinea-Bissau</b>											
National rural poverty	305 870	158 491	0	188 766	1 045 400	1 274	1 561	2 049	0	36 884	1 740 295
Internat. poverty rate \$1.25	67 705	621	0	213 086	10 190	0	2 626	0	0	31 816	326 044
Internat. poverty rate \$2.00	106 512	892	0	341 387	16 644	0	4 308	0	0	50 761	520 504
<b>Guinea</b>											
National rural poverty	90 317	768	0	286 697	14 373	0	3 556	0	0	42 706	438 417
Internat. poverty rate \$1.25	535 771	271 033	0	347 973	1 845 870	2 304	2 656	3 752	0	66 029	3 075 388
Internat. poverty rate \$2.00	647 861	329 662	0	431 746	2 298 830	2 845	3 402	4 618	0	81 875	3 800 839
<b>Kenya</b>											
National rural poverty	801 555	25 213	92 208	1 584 660	1 748 920	3 870 240	29 631	26 878	24 078	786 881	8 990 264
Internat. poverty rate \$1.25	347 255	10 930	38 843	626 525	694 167	1 535 980	11 827	10 682	9 580	313 888	3 599 677
Internat. poverty rate \$2.00	714 746	20 944	76 340	1 273 040	1 405 130	3 108 190	23 772	21 574	19 345	632 705	7 295 786

(Continued)

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011) (Continued)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Lesotho</b>											
National rural poverty	0	0	21 018	863	0	537 835	100	0	559	375	560 750
Internat. poverty rate \$1.25	0	0	15 873	681	0	425 879	80	0	457	305	443 275
Internat. poverty rate \$2.00	0	0	25 914	985	0	613 892	119	0	659	442	642 011
<b>Liberia</b>											
National rural poverty	1	62	0	104	421 684	1	0	2	0	153 197	575 051
Internat. poverty rate \$1.25	2	91	0	143	592 831	1	0	4	0	225 082	818 154
Internat. poverty rate \$2.00	2	97	0	162	669 032	1	0	4	0	250 119	919 417
<b>Madagascar</b>											
National rural poverty	861 529	146 772	16 642	720 596	1 364 480	685 539	23 519	17 334	8 499	454 691	4 299 601
Internat. poverty rate \$1.25	1 109 540	187 603	23 196	914 916	1 728 110	870 379	30 251	22 423	10 921	585 738	5 483 077
Internat. poverty rate \$2.00	1 390 410	240 914	28 861	1 202 570	2 282 640	1 148 550	39 899	29 282	14 368	769 280	7 146 774
<b>Malawi</b>											
National rural poverty	20 059	10 767	2 975	3 229 040	901 373	84 599	919	4 333	0	165 001	4 419 066
Internat. poverty rate \$1.25	26 013	14 075	3 916	4 266 170	1 191 030	111 764	1 209	5 732	0	217 336	5 837 245
Internat. poverty rate \$2.00	31 484	16 755	4 779	5 219 780	1 457 230	136 744	1 485	7 003	0	265 678	7 140 938
<b>Mali</b>											
National rural poverty	1 264 700	30	0	3 134 430	271	0	19 404	0	0	18 711	4 437 546
Internat. poverty rate \$1.25	891 884	21	0	2 122 140	182	0	12 923	0	0	12 536	3 039 686
Internat. poverty rate \$2.00	1 266 670	33	0	3 195 970	274	0	19 505	0	0	18 928	4 501 380
<b>Mauritania</b>											
National rural poverty	864 392	0	0	96 801	0	0	1 226	0	0	1 904	964 323
Internat. poverty rate \$1.25	242 707	0	0	31 453	0	0	500	0	0	739	275 399
Internat. poverty rate \$2.00	560 612	0	0	62 168	0	0	740	0	0	1 133	624 653
<b>Mozambique</b>											
National rural poverty	1 028 160	229 669	3 363	1 756 500	866 986	9 370	7 427	1 616	0	615 277	4 518 368
Internat. poverty rate \$1.25	1 379 650	316 383	5 244	2 372 940	1 170 420	12 824	10 239	2 171	0	837 445	6 107 316
Internat. poverty rate \$2.00	1 603 450	374 063	6 099	2 853 310	1 422 680	15 420	12 066	2 656	0	1 014 640	7 304 384

(Continued)

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011) (Continued)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Namibia</b>											
National rural poverty	443 940	0	48	213 446	0	0	25	0	0	8 879	666 338
Internat. poverty rate \$1.25	437 262	0	48	176 861	0	0	21	0	0	7 505	621 697
Internat. poverty rate \$2.00	497 511	0	48	225 726	0	0	29	0	0	9 353	732 667
<b>Niger</b>											
National rural poverty	1 992 330	0	0	4 034 440	0	0	16 034	0	0	5 266	6 048 070
Internat. poverty rate \$1.25	1 992 590	0	0	4 037 430	0	0	16 017	0	0	5 293	6 051 330
Internat. poverty rate \$2.00	2 546 770	0	0	5 249 430	0	0	20 875	0	0	6 873	7 823 948
<b>Nigeria</b>											
National rural poverty	119 097	376 933	608	8 686 050	8 238 150	28 979	50 459	11 862	0	609 174	18 121 312
Internat. poverty rate \$1.25	224 462	668 955	916	15 373 800	14 585 600	49 763	89 908	20 838	0	1 073 130	32 086 772
Internat. poverty rate \$2.00	283 461	853 508	1 214	20 019 400	19 030 600	66 046	117 280	27 372	0	1 396 480	41 795 361
<b>Rwanda</b>											
National rural poverty	0	0	0	0	677 240	2 294 160	0	8 089	19 171	95 057	3 093 717
Internat. poverty rate \$1.25	0	0	0	0	830 054	2 811 510	0	9 927	23 509	116 642	3 791 642
Internat. poverty rate \$2.00	0	0	0	0	979 472	3 314 900	0	11 673	27 708	137 125	4 470 878
<b>Senegal</b>											
National rural poverty	179 579	0	0	1 746 170	0	0	6 186	0	0	22 941	1 956 876
Internat. poverty rate \$1.25	155 447	0	0	1 431 930	0	0	5 414	0	0	19 000	1 611 791
Internat. poverty rate \$2.00	256 404	0	0	2 605 980	0	0	9 607	0	0	33 655	2 905 646
<b>Sierra Leone</b>											
National rural poverty	596	41 576	11	852	1 668 910	439	9	12 968	0	64 603	1 789 964
Internat. poverty rate \$1.25	396	27 976	8	555	1 113 180	308	6	8 745	0	43 713	1 194 887
Internat. poverty rate \$2.00	573	39 905	11	790	1 588 780	439	9	12 516	0	62 419	1 705 442
<b>South Africa</b>											
National rural poverty	396 804	44 990	156 601	2 733 670	1 536 560	1 112 580	26 917	5 466	4 073	252 168	6 269 829
Internat. poverty rate \$1.25	150 803	20 251	72 658	1 222 180	684 260	510 477	11 734	2 465	1 774	111 309	2 787 911
Internat. poverty rate \$2.00	205 586	29 163	96 528	1 964 810	1 119 600	807 819	19 495	4 013	2 929	183 196	4 433 139

(Continued)

**TABLE G RURAL POOR LIVESTOCK KEEPERS ESTIMATED BY COUNTRY AND LIVESTOCK PRODUCTION SYSTEM (VERSION 5, NOT DISTINGUISHING HYPER-ARID AREAS). POVERTY RATES ARE FROM WORLD BANK (2011) (Continued)**

Country	LGA	LGH	LGT	MRA	MRH	MRT	MIA	MIH	MIT	Other	Total
<b>Sudan</b>											
National rural poverty	6 241 150	202 535	25	4 011 420	137 362	6 978	157 053	0	18	106 781	10 863 322
Internat. poverty rate \$1.25	212	176	4	294	308	0	0	0	0	5	999
Internat. poverty rate \$2.00	355	227	7	428	440	0	0	0	0	15	1 472
<b>Swaziland</b>											
National rural poverty	0	0	0	102 521	84 438	80 666	512	101	40	77 443	345 721
Internat. poverty rate \$1.25	0	0	0	87 064	71 416	68 163	457	83	32	66 833	294 048
Internat. poverty rate \$2.00	0	0	0	112 606	91 079	86 948	583	110	44	87 266	378 636
<b>Togo</b>											
National rural poverty	0	140 998	0	171 703	518 230	0	24	537	0	4 575	836 067
Internat. poverty rate \$1.25	0	174 180	0	203 382	611 897	0	36	620	0	5 447	995 562
Internat. poverty rate \$2.00	0	305 817	0	362 907	1 099 670	0	60	1 117	0	9 894	1 779 465
<b>Uganda</b>											
National rural poverty	9 518	73 090	2 561	35 344	4 903 910	1 130 550	0	2 010	957	196 213	6 354 153
Internat. poverty rate \$1.25	13 336	104 534	3 572	50 344	7 380 830	1 699 330	0	3 022	1 435	295 121	9 551 524
Internat. poverty rate \$2.00	18 960	156 687	4 997	75 410	10 834 800	2 493 210	0	4 431	2 110	432 498	14 023 103
<b>United Republic of Tanzania</b>											
National rural poverty	295 924	159 941	42 842	3 062 750	2 647 450	753 579	19 352	2 774	1 588	690 731	7 676 931
Internat. poverty rate \$1.25	635 170	357 790	99 717	6 650 600	5 830 820	1 663 540	42 235	5 981	3 488	1 516 030	16 805 371
Internat. poverty rate \$2.00	721 078	413 274	114 126	7 320 710	6 407 590	1 824 540	46 205	6 562	3 810	1 664 990	18 522 685
<b>Zambia</b>											
National rural poverty	2 220 880	290 087	87 542	1 208 690	38 222	7 480	6 688	28	0	338 064	4 197 681
Internat. poverty rate \$1.25	1 933 660	239 249	69 083	978 535	31 167	5 775	5 560	21	0	274 537	3 537 587
Internat. poverty rate \$2.00	2 391 270	303 782	89 864	1 235 830	39 629	7 685	6 853	28	0	339 016	4 413 957
<b>Zimbabwe</b>											
National rural poverty	630 076	11	10 251	1 596 730	6 201	137 140	8 257	0	710	84 882	2 474 258
Internat. poverty rate \$1.25	118	0	0	99	0	12	0	0	0	145	374
Internat. poverty rate \$2.00	142	0	0	125	0	15	0	0	0	175	457

Developing regions are based on 2010 World Bank country classification (World Bank, 2010), listed in Appendix A.



Informed livestock sector policy development and priority setting is heavily dependent on a good understanding of livestock production systems. In a collaborative effort between the Food and Agriculture Organization and the International Livestock Research Institute, stock has been taken of where we have come from in agricultural systems classification and mapping; the current state of the art; and the directions in which research and data collection efforts need to take in the future.

The book also addresses issues relating to the intensity and scale of production, moving from what is done to how it is done. The intensification of production is an area of particular importance, for it is in the intensive systems that changes are occurring most rapidly and where most information is needed on the implications that intensification of production may have for livelihoods, poverty alleviation, animal diseases, public health and environmental outcomes.

A series of case studies is provided, linking livestock production systems to rural livelihoods and poverty and examples of the application of livestock production system maps are drawn from livestock production, now and in the future; livestock's impact on the global environment; animal and public health; and livestock and livelihoods.

This book provides a formal reference to Version 5 of the global livestock production systems map, and to revised estimates of the numbers of rural poor livestock keepers, by country and livestock production system. These maps and data are freely available for download via FAO's web pages: <http://www.fao.org/AG/againfo/resources/en/glw/home.html>. It is hoped that this publication will stimulate further work in this field and encourage the use of livestock production systems information and maps in research and analysis.

ISBN 978-92-5-107033-8



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I2414E/1/10.11