ECDSO-E
Key data collection

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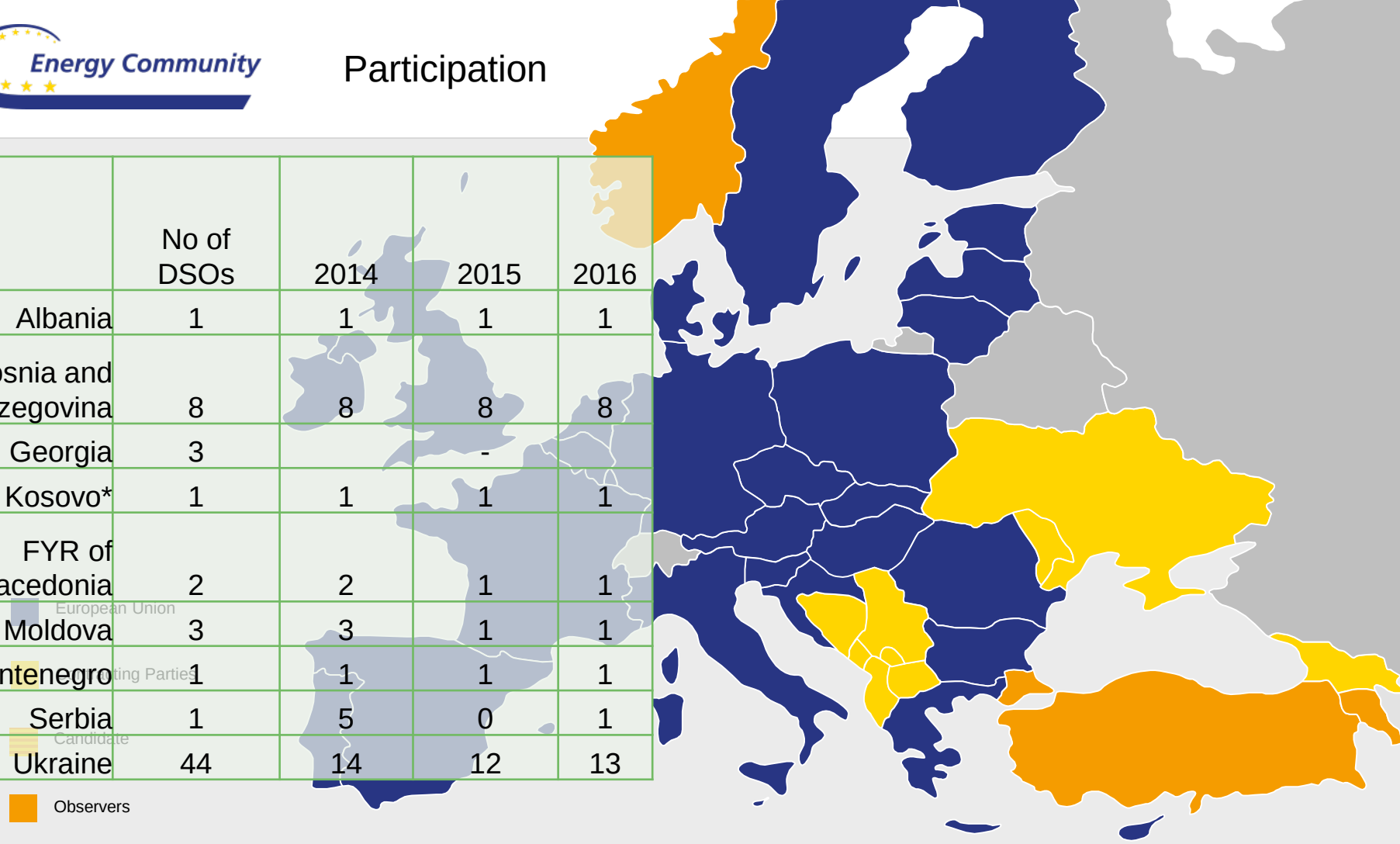
Participation

	No of DSOs	2014	2015	2016
Albania	1	1	1	1
Bosnia and Herzegovina	8	8	8	8
Georgia	3		-	
Kosovo*	1	1	1	1
FYR of Macedonia	2	2	1	1
Moldova	3	3	1	1
Montenegro	1	1	1	1
Serbia	1	5	0	1
Ukraine	44	14	12	13



ECDSO-E annual data collection

Contracting Party	number of licensed DSOs	participating DSOs	coverage of national network
Albania	1	1	100%
Bosnia and Herzegovina	8	8	100%
Georgia	3	[1]	
Kosovo*	1	1	100%
FYR of Macedonia	2	1	99%
Moldova	3	1	75%
Montenegro	1	1	100%
Serbia	1	1	100%
Ukraine	44	14	40%
Energy Community	64	28	

Distribution Business in EnC

Structure & Ownership	Response
Number of DSOs covered	27
Ownership	
A. Private sector or a shareholding [no of licensed DSOs]	12
B State owned [no of licensed DSOs]	3
C. Mixed [private and state ownership] [no of licensed DSOs]	12
Basic data	
Distributed Power (GWh)	102.458
Area of Distribution Activity (km2)	544.230
Total Number of Customers connected	16.049.475
Total installed capacity of generation connected	1.060
Installed capacity of generation connected to LV networks	64
Number of employees	71.497

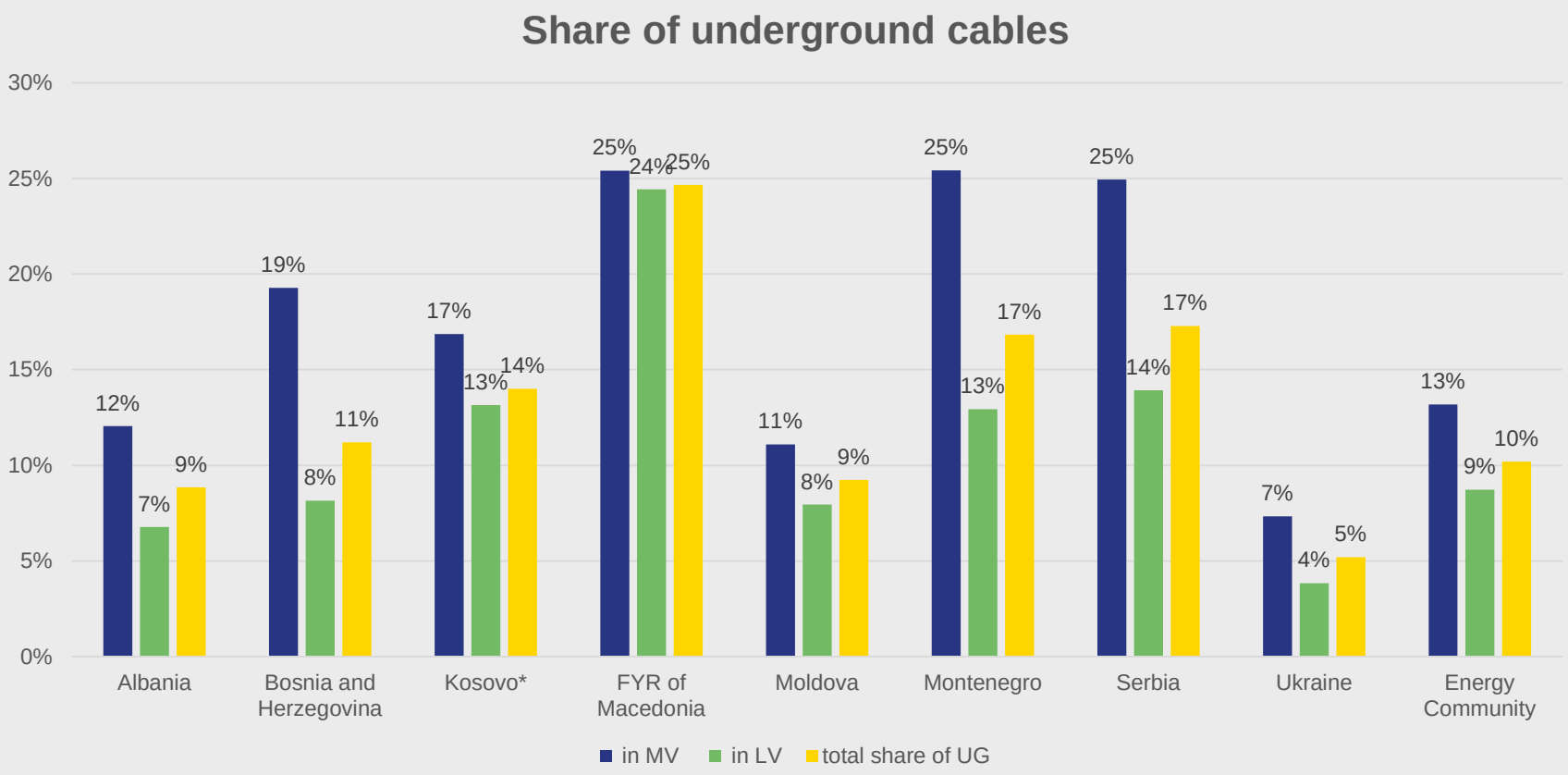
Distribution – Basic data

Customers	
Total Number of Customers connected	16.049.475
Number of LV (< 1 kV) Customers	15.999.735
Number of MV (1- 100 kV) Customers	49.221
Basic technical information	
Circuit length per voltage level (km)	
Total	759.307
HV (> 100 kV)	22.709
of that Overhead	22.649
of that Underground	60
MV (1-100 kV)	281.579
of that Overhead	242.775
of that Underground	38.805
LV (< 1 kV)	455.019
of that Overhead	415.238
of that Underground	39.781

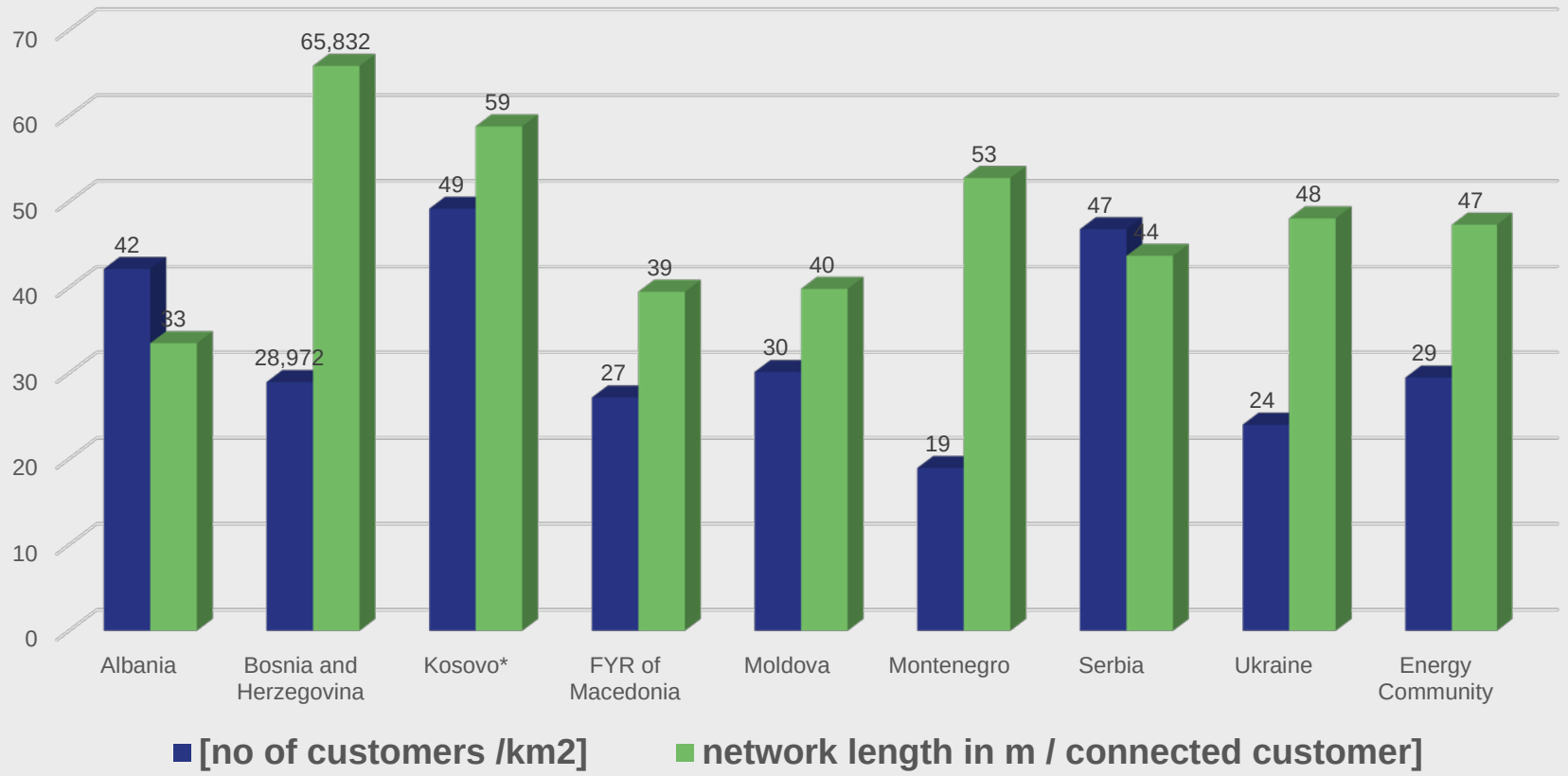
Installed capacity of Distributed Generation in MW

Generation connected to distribution network (status 2016)	OSHEE Alb	EPBIH	EPHZHB, BIH	ERS, BIH	KEDS, KOS	EVN, MKD	CEDIS, MNE	RUF, MDA	EPS, SRB
HV[1][>100 kV]	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
MV [>1 kV<100 kV]	230,0	89,0	5,8	58,6	11,4	126,7	15,6	1,9	113,8
Photovoltaic		0,2	1,9	0,5	0,6	11,7		0,3	9,9
Wind		0,4	0,0	0,0				1,2	16,5
Hydro	230,0	47,0	3,9	56,9	10,8	108,9	15,6	0,0	76,6
Biomass		41,5	0,0	1,2		6,0		0,1	10,9
Waste		0,0	0,0	0,0				0,3	0,0
LV < 1 kV	0,0	3,0	5,6	4,3	0,0	5,1	0,0	0,6	4,3
Photovoltaic		2,4	5,6	4,2		5,0		0,6	0,4
Wind		0,0	0,0	0,0				0,0	0,6
Hydro		0,3	0,0	0,1		0,2		0,0	2,9
Biomass		0,0	0,0	0,0				0,0	0,4
Waste		**0,3**	**0,0**	**0,0**				**0,0**	**0,0**
Other:									29,3
Cogeneration									25,3
Gas power plants									4,0

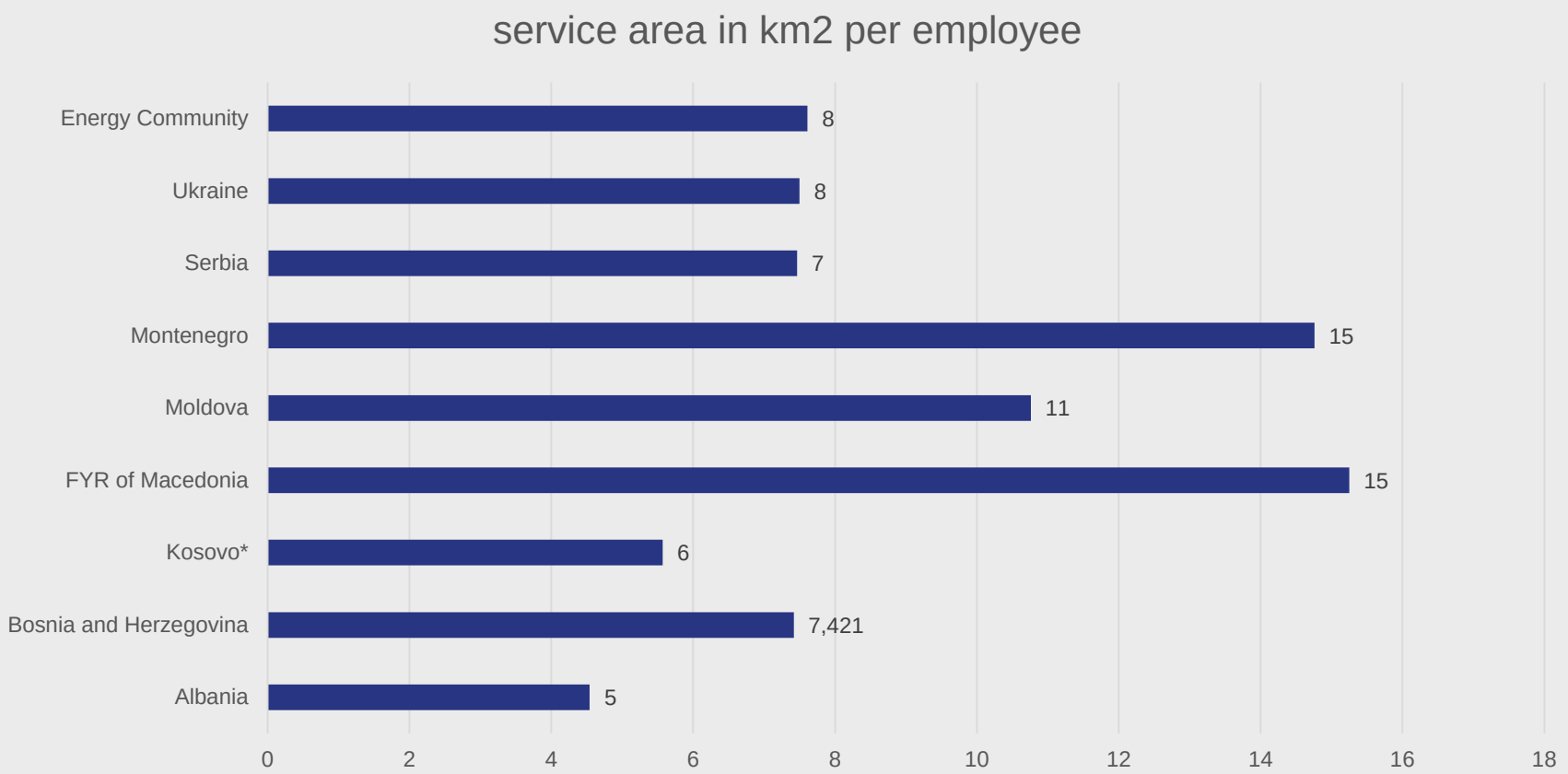
Network structure – Overhead and underground



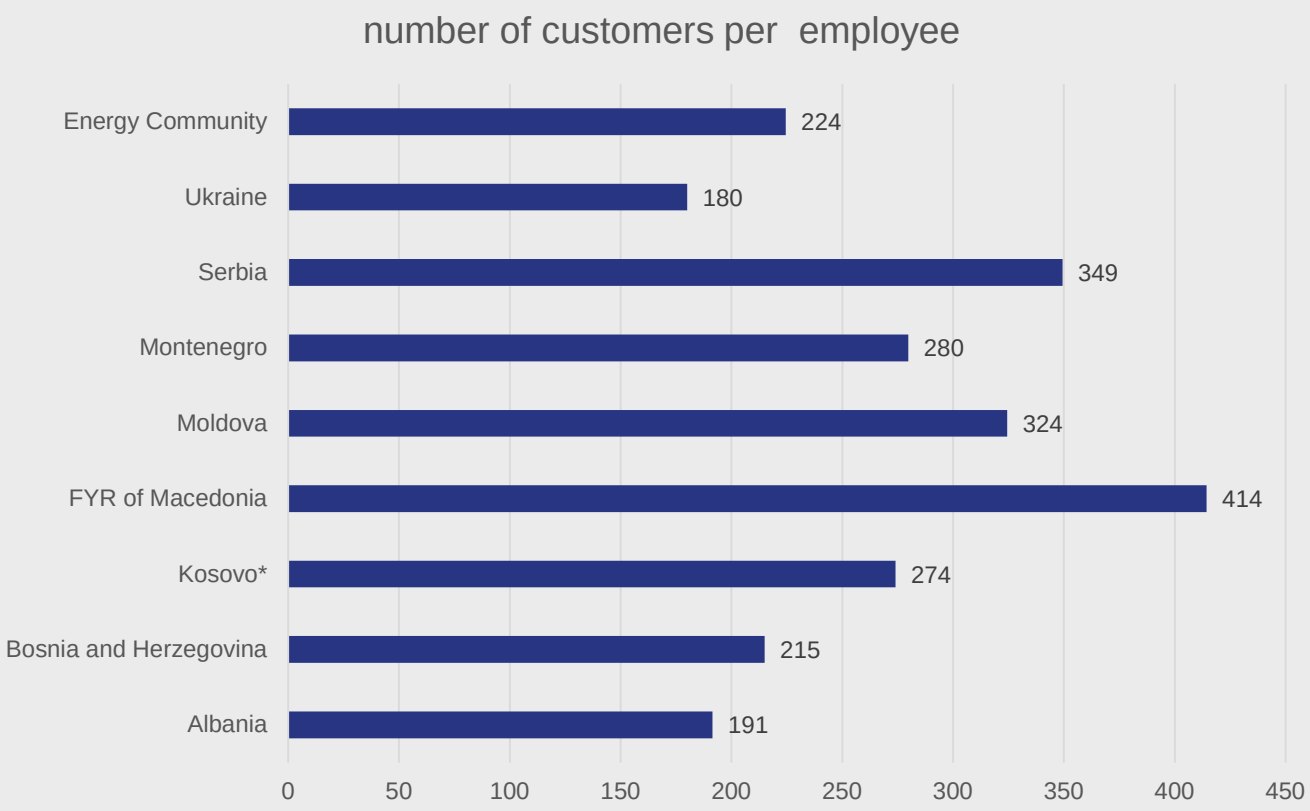
Network density



Labor efficiency



Labour efficiency



Distribution losses - trend

	Distribution losses			
Contracting Party	2013	2014	2015	2016
Albania	45,0%	37,8%	31,3%	28,04%
Bosnia and Herzegovina	11,6%	10,7%	10,5%	10,3%
Kosovo*	35,5%	33,5%	31,8%	29,7%
FYR of Macedonia	16,4%	15,5%	14,8%	14,7%
Moldova	10,9%	9,7%	8,5%	8,5%
Montenegro	18,96%	17,6%	17,6%	15,6%
Serbia	14,90%	14,4%	14,1%	13,0%
Ukraine	10,2%	10,1%	9,8%	9,9%
Energy Community	12,8%	12,4%	12,0%	11,7%

Source: Implementation Reports EnC

Way forward

Extend data collection (costs and tariffs, quality)

Simplify questionnaire forms

Agree definitions

Data validation procedure and sharing

Thank you
for your attention!

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