Assessing the potential impact assessment of energy refurbishment initiatives at the EU level

based on a sample of 35 sister cities in 7 MS

update 19 March

National policies and regulation (A)

Reference

	AT	I	ES	F	SW	GER	CY	Source / legend
A1 - Existence of a climate plan by March 2020 (NECP)	Y	Y	N	N	Y	N	Y	see portal on NECP — y or n
A2 - Support to EE measures-investment	N	Y	N	N	N	N	N	See D9.5 — y or n
A3 - EE/white certificates	N	Y	N	Y	N	N	N	See D9.5 — y or n
A4 - Heat Fund/Thermal account Fund	N	Y	N	Y	N	N	N	See D9.5 — y or n
A5 - Fiscal incentive	N	N	N	Y	N	Y	N	See D9.5 — y or n
A6 - Building codes	N	N	N	Y	N	Y	N	See D9.5 — y or n
Distance assessement on 'A' criterion	A	A	A	A	B	B	C	select A, B or C according to the distance to Insbrucker Bolzano (A+ if even better)

Extended

	BE	BG	HR	CZ	DK	EE	FI	GR	HU	IE	LV	LT	LU	MT	NL	PL	PT	RO	SK	SI
A1	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y
A2	Y	Y	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N
A3	Y	N	N	Y	N	N	N	N	Y	N	Y	N	N	N	N	Y	N	Y	N	N
A4	N	N	Y	N	N	N	N	N	Y	N	N	Y	N	N	N	Y	N	Y	N	Y
A5	N	N	N	N	N	N	Y	Y	N	Y	Y	Y	N	N	N	Y	N	Y	N	N
A6	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	N	N	Y	N	Y	N	N
Distance	A	B	B	C	A	C	A	B	A	A	B	B	B	C	B	B	B	B	B	B

Sociological features related to eco-initiatives + urban profile (S, U)

Reference

	AT	I	ES	F	SW	GER	CY	Source / legend
S1 - Energy mindset of citizens	60%	34%	62%	58%	79%	65%	54%	value of Eurobarameter, 2017
S2 - Personal awareness for reponsability for climate change (avg EU28: 22%)	31%	9%	18%	33%	59%	23%	32%	value of Eurobarameter, 2017
U1 - Nb of medium-scale cities (based on available Eurostat data)	4	76	111	74	10	100	2	See urban stock, Eurostats
U2 - Smart cities in the country	***	***	***	**	***	**	n/a	***high **medium *low
U3 - Share (%) of the residential building stock built before 1970 in the country	45%	51%	31%	45%	61%	59%	13%	Factsheets Country EU Buildings (2016)
U4 - Progress in energy use and energy efficiency in residential	30%	11%	30%	28%	30%	30%	31%	Gain in the technical energy efficie Country profiles
S, U assessement	A	A	A	A	C	A	C	select A, B or C

Extended

	BE	BG	HR	CZ	DK	EE	FI	GR	HU	IE	LV	LT	LU	MT	NL	PL	PT	RO	SK	SI
S1	47%	21%	38%	38%	60%	34%	65%	50%	48%	50%	31%	48%	74%	75%	59%	30%	60%	20%	44%	66%
S2	40%	11%	15%	17%	39%	15%	42%	17%	13%	36%	17%	28%	44%	29%	55%	12%	19%	18%	19%	16%
U1	7	14	6	14	2	2	7	17	3	3	4	1	1		40	57	21	28	7	1
U2	*	*	B	*	*	***	*	***	*	*	*	n/a	n/a	***	*	*	*	*	*	*
U3	58%	52%	40%	44%	59%	44%	34%	31%	55%	33%	48%	59%	38%	33%	43%	43%	38%	48%	47%	52%
U4	33%	18%	9%	31%	16%	9%	31%	13%	36%	36%	23%	20%	n/a		35%	20%	37%	42%	n/a	25%
S, U assessement	B	A	B	B	C	C	B	B	B	B	B	B	C	C	A	B	A	B	B	C

Energy price (E)

Reference

	AT	I	ES	F	SW	GER	CY	Source / legend
Price of electricity	=	**	**	-	=	***	**	*** far above average **above average = EU average – below average -- far below average
Price of gas	**	**	**	-	***	=	n/a	*** far above average **above average = EU average – below average -- far below average
Price of CO2: #ranking CAN	#14	#12	#16	#16	#2	#8	#24	top ranked in ranking CAN
E assessement	B	A	A	C	A	A	A	

Extended

	BE	BG	HR	CZ	DK	EE	FI	GR	HU	IE	LV	LT	LU	MT	NL	PL	PT	RO	SK	SI
Price of electricity	**	-	--	***	-	-	=	--	**	=	--	=	n/a	-	*	--	-	-		
Price of gas	-	-	-	-	=	-	--	-	=	-	=	-	*	--	*	--	-	-		
Price of CO2	#16	#26	#9	#20	#7	#27	#10	#22	#28	#12	#10	#6	#24	#5	#29	#3	#20	#18	#18	
E assessement	A	C	C	C	A	C	C	B	C	A	B	B	n/a	A	C	A	C	C		

city energy readiness (CERL scale) (C)

Reference

	AT	I	ES	F	SW	GER	CY	
Average CERL in the sister cities								out
C1 - Availablility of data in sister cities	y	y	y	y	y	y	n	key, to be kept: to be explained in the report
C2 - Sister cities belong to CoM	y	y	y	y	y	y	x	out
C3 - Sister cities belong to other X-cities (national)								out
C4 - Sister cities belong to other X-cities (international)								out
MS readiness assessement (based on the sister city)	A	A	A	A	A	A	B	

Assessment at the MS level (CERL not considered since at the city level)

Reference

	AT	I	ES	F	SW	GER	CY	weights
Nb of A marks	2	3	3	2	1	2	1	1
A+S+U+E assessement at the country level								1,5
Climate zone factor	2	1	1	1	2	2	0	
Overall ranking	**5**	**4,5**	**4,5**	**3,5**	**4**	**5**	**1**	

	AT	I	ES	F	SW	GER	CY
Top ranked category "A"	x	x	x			x	x
Second category "B"				x			
Challengers category "C"							x

Extended

	B	BG	HR	CZ	DK	EE	FI	GR	H	IE	LV	LT	LU	MT	NL	PL	P	RO	SK	SLO
Nb of A marks	2	1	0	0	2	0	1	0	1	2	0	0	0	0	2	1	1	1	0	0
A+S+U+E assessement at the country level	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	1	2	2
Climate zone factor																				
Overall ranking	**5**	**4**	**3**	**3**	**5**	**3**	**4**	**0**	**4**	**5**	**3**	**3**	**3**	**0**	**5**	**5,5**	**2,5**	**4**	**3**	**3**

	B	BG	HR	CZ	DK	EE	FI	GR	H	IE	LV	LT	LU	MT	NL	PL	P	RO	SK	SLO
Top ranked category "A"	x	x			x		x		x	x					x	x		x		
Second category "B"			x	x		x					x	x	x						x	x
Challengers category "C"														x			x			