

Table S1. Substrates ratio of feeding of the 33 investigated biogas plants (BP), MS = maize silage, GS = gras silage, WPS = whole plant silage, SB = sugar beet, CE = cereals, PO = Potato, LCM = liquid cow manure, SCM = solid cow manure, HM =horse manure, CM = chicken manure, LPM = liquid pig manure, SM = sheep manure, ML = molasses of lactose production, BT = brewer's spent grains, FO = Fodder residuals, OT = others.

BP	Energy Crops						Manure						Processing waste			
	MS	GS	WPS	SB	CE	PO	LCM	SCM	HM	CM	LPM	SM	ML	BT	FO	OT
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	1	8					65	2	25							
2	14	7		1	2	2	71	5								
3		17			1			41			41					
4		36	28				36									
5	18	4	3	14			28	30								
6	5	14					72	6		10						
7	57	10			0		5			28						
8	17	73								11						
9	9	22	26		5			38								
10	54	9			14	5	8							12		
11	49	16						35								
12 ^a	17	23	3		5		33	9	11							
13	20	5			1		68								6	
14	45	3			1		2		0	11	39					
15	100				0											
16	65										33					
17	83	12			5											
18	47	29	23		2			4								
19	41				2		53	4								
20		47					46	7								
21	70	7	9	14												
22	54	3					52	2				8				
23	30	7	5	6			30	5								
24	22	9	17				51									
25	33	6	4				56									
26		19					55	20						5		
27	82		9	6	3											
28	22	0				5	73									
29	42	9	2		2		43									3
30	65		3					22		10						
31	28	4		2			58	5								
32	13	2	0		0		85									
33	43				6		33	12		7						

^a BP 12 is a research biogas plant with high measurement accuracy