

	Temporal Analysis			Static Analysis										
	B. Blonder et al. [18]	R. Jeanson [33]	D. P. Mersch et al. [4]	D. Naug and B. Smith [31]	M. C. Otterstatter and J. D. Thomson [27]	D. Naug [29]	D. Naug [26]	A. B. Sendova-Franks et al. [25]	N. Pinter-Wollman et al. [21]	J. Scholl and D. Naug, [30]	J. S. Waters and J. H. Fewell [24]	D. Baracchi and A. Cini [28]	E. Greenwald et al. [20]	L. E. Quevillon et al. [22]
Tracking														
Automatic		x	x		x				x				x	
Manual	x			x		x	x	x		x	x	x		x
Species														
	A	A	A	HB	BB	HB	W	A	A	HB	A	HB	A	A
(1) Time														
Total duration of study	3w	3w	41d	1d	40d		24d (6)	1d	1d	3w	1d	1d	1d	8d (5)
Observation period	2x 30m	3x7x 24h	41x 24h	1h	40x 12h (4)	1h	24x 45x5m	30m	5m	3x 1h	2h	10h	30m	8x 30m
Sampling resolution***	v/e	1 f/s	2 f/s	v/e	30 f/s	v/e	v/e	1 f/m	30 f/s	v/e	15 f/s	1 f/m	v/e	v/e
(2) Space*														
1-frame hive												x (3)		
2-frame hive				x (2)		x(4)				x				
(3) Size														
Number of colonies	4	4	6	1	7	1	9	4	2	1	2	1	2(1)	2
Colonie size**	6-90	55-58	122-192	4000	5-7	1000	8-40	42-95	131, 72	1500	89	4000	50-100	75
Marked individuals	x	x	x		x		x	x	x		x	211	x	x
Marked cohorts				6		4				3				
Age			x	x		x				x		x		
Analysis Tools in R														
igraph	x										x			x
t-net		x												
timeordered	x													
Other Tools: netdraw, cytoscape, UCINET, FANMOD														

(1) two species

(2) only video for one side

"(entrance designed so foragers should unload here)

(3) only one side observed

(4) 6 day and 6 night"

(5) night

(6) each sampling day consisted of three sessions of 2 h each between 0630 and 1830 hours. in each session 15x5-min all-occurrence samplings were carried out resulting.

A = Ant

BB = Bumble Bee

HB = Honey bee

W = Wasp

* only for honey bees

** mean or range if > 2

*** indicates all marked/tracked, if number, just subset

**** v=video, e=event, if no resolution given or manual video analysis was used