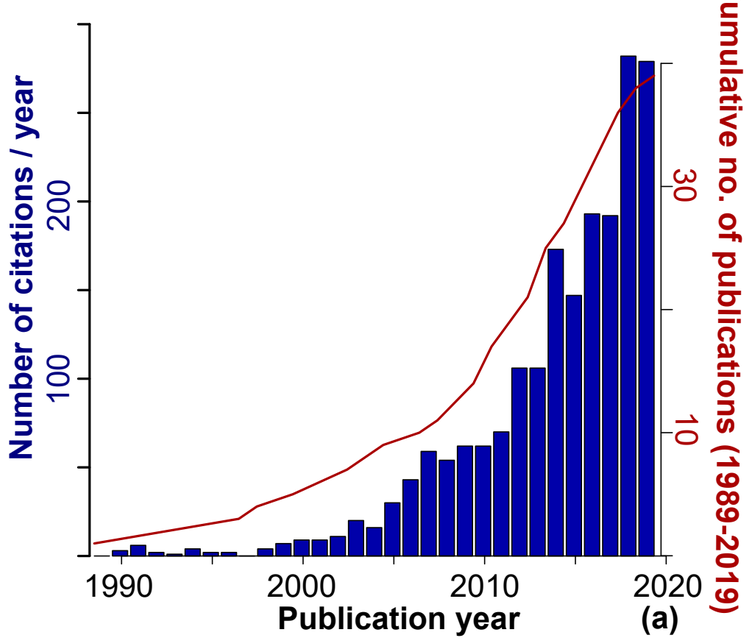
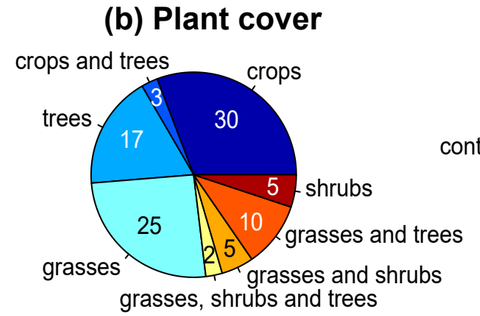
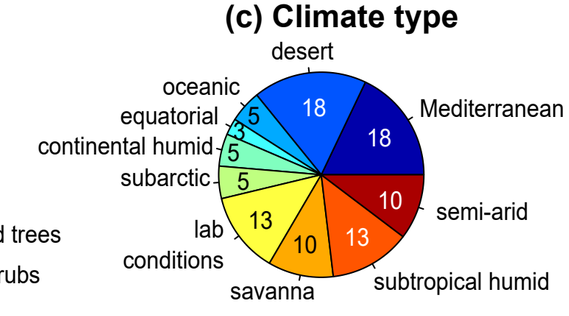
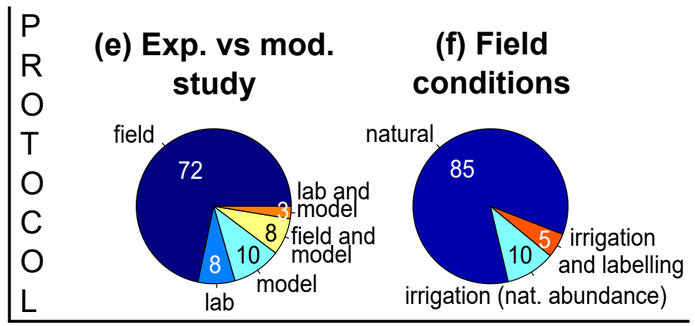
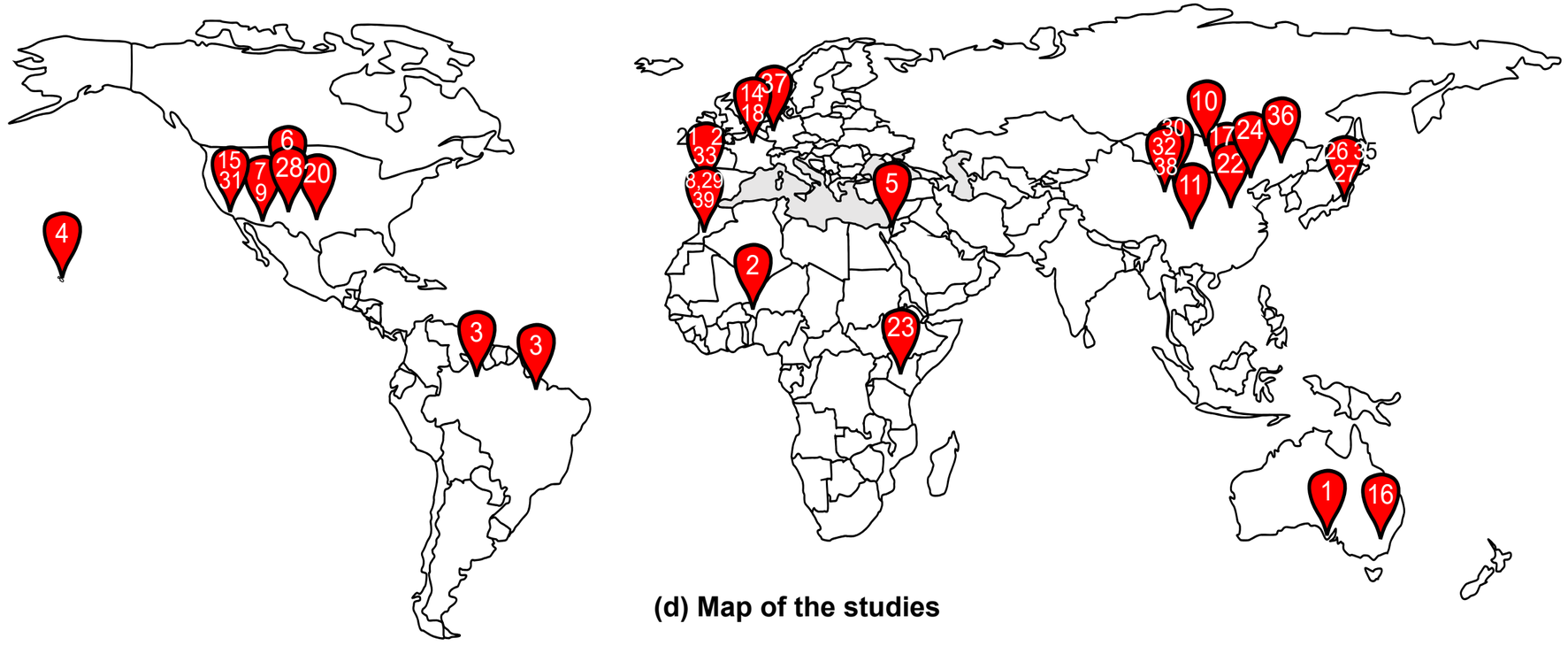
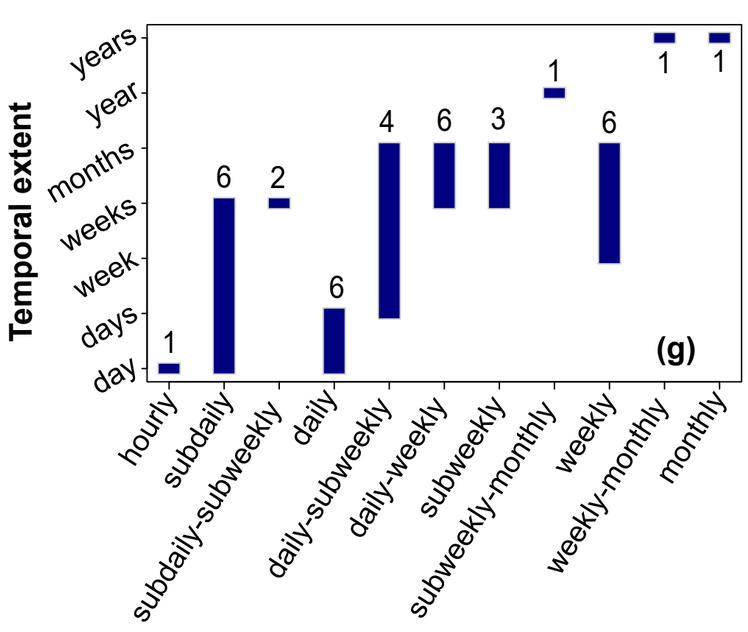

Number of citations / year
100
200
Cumulative no. of publications (1989-2019)
10
30
1990
2000
2010
2020
Publication year
(a)

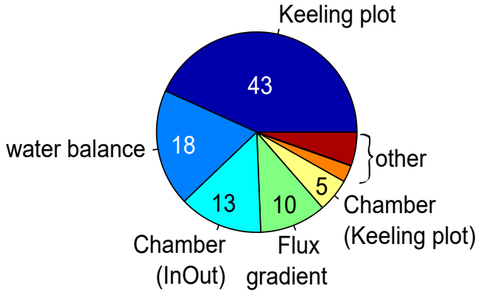

(b) Plant cover
crops and trees
crops
trees
shrubs
grasses and trees
grasses
grasses and shrubs
grasses, shrubs and trees
30
3
17
5
10
25
2
5

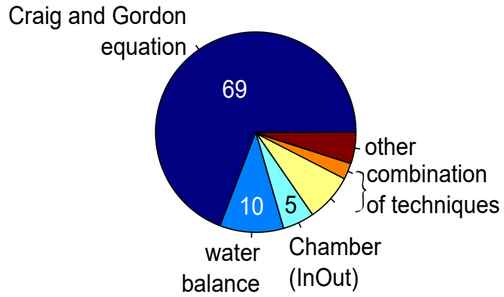

(c) Climate type
desert
oceanic
equatorial
continental humid
subarctic
lab conditions
savanna
Mediterranean
semi-arid
subtropical humid
18
18
5
3
5
5
13
10
13

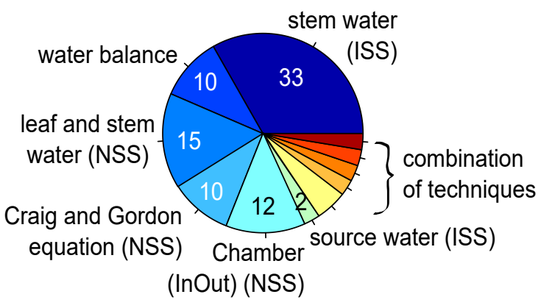

PROTOCOL
(e) Exp. vs mod. study
field
lab
lab and model
field and model
model
72
3
8
8
10
(f) Field conditions
natural
irrigation (nat. abundance)
irrigation and labelling
85
5
10


(d) Map of the studies
4
6
15
31
7
9
28
20
3
3
14
37
18
21
2
33
8,29
39
5
2
23
10
30
32
38
11
17
24
22
36
26
35
27
1
16


Temporal extent
years
year
months
weeks
week
days
day
1
6
2
6
4
6
3
1
6
1
1
hourly
subdaily
subdaily-subweekly
daily
daily-subweekly
daily-weekly
subweekly
subweekly-monthly
weekly
weekly-monthly
monthly
(g)
Temporal resolution


METHODS
Keeling plot
water balance
other
Chamber (Keeling plot)
Chamber (InOut)
Flux gradient
43
18
13
10
5
(h) δ_{ET}


Craig and Gordon equation
other
combination of techniques
water balance
Chamber (InOut)
69
10
5
(i) δ_E


stem water (ISS)
water balance
leaf and stem water (NSS)
Craig and Gordon equation (NSS)
Chamber (InOut) (NSS)
source water (ISS)
combination of techniques
33
10
15
10
12
2
(j) δ_T