

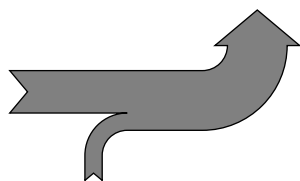
1990-2000

2001-2010

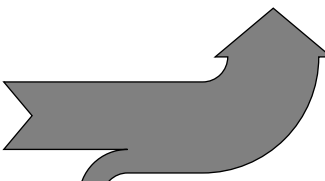
2011-2021

Heterotrophic-source

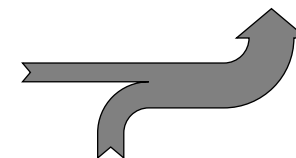
47% of time

**[FCO<sub>2</sub>>0]**  
**953 (100%)**[External>0]  
677 (71%)[-NEP>0]  
276 (29%)

60% of time

**[FCO<sub>2</sub>>0]**  
**1453 (100%)**[External>0]  
1077 (74%)[-NEP>0]  
376 (26%)

66% of time

**[FCO<sub>2</sub>>0]**  
**716 (100%)**[External>0]  
299 (42%)[-NEP>0]  
417 (58%)

Autotrophic-source

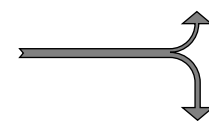
17% of time

**[FCO<sub>2</sub>>0]**  
**103 (66%)****[External>0]**  
**157 (100%)**[-NEP<0]  
54 (34%)

25% of time

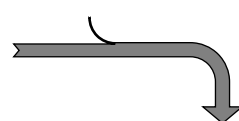
**[FCO<sub>2</sub>>0]**  
**88 (44%)****[External>0]**  
**199 (100%)**[-NEP<0]  
111 (56%)

26% of time

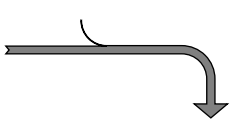
**[FCO<sub>2</sub>>0]**  
**58 (41%)****[External>0]**  
**140 (100%)**[-NEP<0]  
82 (59%)

Autotrophic-sink

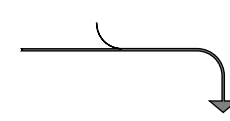
29% of time

**[FCO<sub>2</sub><0]**  
**21 (9%)**[External>0]  
204 (91%)[-NEP<0]  
225 (100%)

15% of time

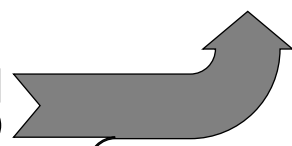
**[FCO<sub>2</sub><0]**  
**8 (6%)**[External>0]  
123 (94%)[-NEP<0]  
131 (100%)

7% of time

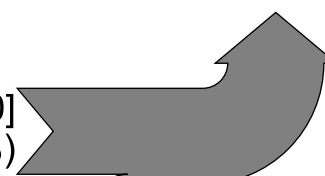
**[FCO<sub>2</sub><0]**  
**3 (8%)**[External>0]  
34 (92%)[-NEP<0]  
37 (100%)

All states

100% of time

**[FCO<sub>2</sub>>0]**  
**1031 (100%)**[External>0]  
1008 (98%)[-NEP>0]  
23 (2%)

100% of time

**[FCO<sub>2</sub>>0]**  
**1534 (100%)**[External>0]  
1372 (89%)[-NEP>0]  
162 (11%)

100% of time

**[FCO<sub>2</sub>>0]**  
**772 (100%)**[External>0]  
472 (61%)[-NEP>0]  
300 (39%)