

**Appendix 1. Standardized list of drivers used in the Regime Shifts Database (RSDB).** Drivers can be direct, indirect or part of a feedback loop, and all drivers listed appear in at least one regime shift included in the RSDB to date. This list provides guidance to maintain consistency in the naming of variables in CLDs for future contributions to the RSDB.

1. Agriculture
2. Aquaculture
3. Aquifers depletion
4. Climate change
5. Coastal erosion
6. Deforestation
7. Disease
8. Droughts
9. ENSO like events
10. Erosion
11. Estuarine fresh water input
12. Estuarine salinity
13. Fertilizers use
14. Fire frequency
15. Fishing
16. Floods
17. Flushing
18. Green house gases
19. Harvesting (animals)
20. Hunting
21. Ice melt water
22. Impoundments
23. Invasive species
24. Irrigation
25. Landscape fragmentation
26. Logging
27. Low tides
28. Nutrient inputs
29. Ocean acidification
30. Pollutants
31. Precipitation
32. Production intensification
33. Rainfall variability
34. Ranching (livestock)
35. River channelization
36. Roads and railways
37. Salt water intrusion
38. Sea level rise
39. Sea surface temperature
40. Sea water density
41. Sediments
42. Sewage
43. Soil moisture
44. Storms
45. Temperature
46. Thermal anomalies in summer
47. Turbidity
48. Upwellings
49. Urban storm water runoff
50. Urbanization
51. Water depth
52. Water infrastructure
53. Water level fluctuation
54. Water stratification
55. Water vapor
56. Wetland Drainage
57. Wind stress