



Supplementary Figure S1 The residual analysis of anthropogenic activities and natural impacts in global alpine regions

Supplementary Table S1 Number of grids with significant changes in vegetation caused by anthropogenic activities and major natural factors

Month	Positive effects of major natural factors	Negative effects of major natural factors	Positive effects of anthropogenic activities	Negative effects of anthropogenic activities
1	185	21	71	49
2	306	12	90	28
3	158	24	67	62
4	199	69	100	51
5	263	134	47	53
6	285	271	77	28
7	166	116	77	68
8	752	42	240	60
9	1632	5	481	18
10	1730	75	252	35
11	852	3	691	16
12	577	36	192	27