

Using LANDSAT 8 and VEN μ S data to study the effect of geodiversity on soil moisture dynamics in a semiarid shrubland

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Supplementary data A

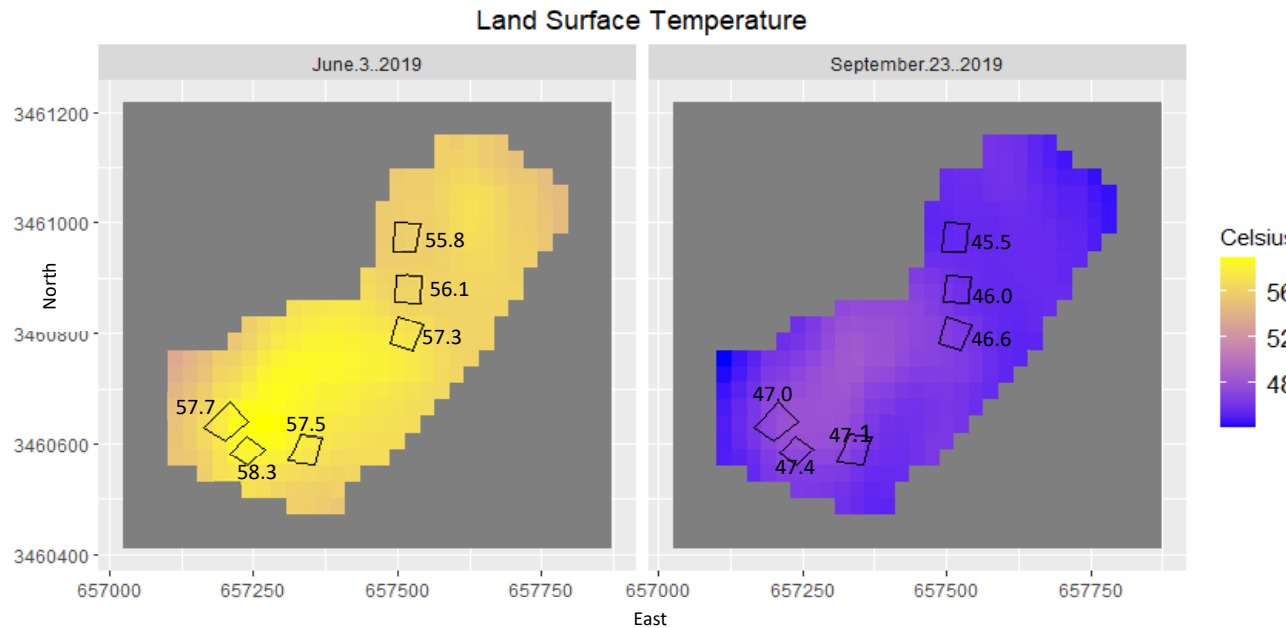


Figure S1. Land surface temperature maps of the study area and plots in June 3, 2019 and September 23, 2019. The land surface temperature is significantly lower in heterogeneous hillslopes (the three top plots) than the homogeneous hillslopes (the three bottom plots).

Supplementary data B

TS 1. List of LANDSAT 8 images.

Image Num	Date	Image Num	Date	Image Num	Date	Image Num	Date
1	04/07/2013	41	07/05/2015	81	09/03/2017	122	07/09/2019
2	20/07/2013	42	23/05/2015	82	25/03/2017	123	23/09/2019
3	05/08/2013	43	08/06/2015	83	10/04/2017	124	09/10/2019
4	21/08/2013	44	24/06/2015	84	26/04/2017	125	25/10/2019
5	06/09/2013	45	10/07/2015	85	12/05/2017		
6	22/09/2013	46	11/08/2015	86	28/05/2017		
7	24/10/2013	47	27/08/2015	87	13/06/2017		
8	09/11/2013	48	12/09/2015	88	29/06/2017		
9	25/11/2013	49	28/09/2015	89	15/07/2017		
10	11/12/2013	50	14/10/2015	90	31/07/2017		
11	27/12/2013	51	30/10/2015	91	16/08/2017		
12	12/01/2014	52	15/11/2015	92	01/09/2017		
13	28/01/2014	53	01/12/2015	93	17/09/2017		
14	13/02/2014	54	17/12/2015	94	03/10/2017		
15	01/03/2014	55	02/01/2016	95	19/10/2017		
16	17/03/2014	56	18/01/2016	96	04/11/2017		
17	02/04/2014	57	03/02/2016	97	20/11/2017		
18	18/04/2014	58	19/02/2016	98	06/12/2017		
19	04/05/2014	59	06/03/2016	100	22/12/2017		
20	20/05/2014	60	22/03/2016	101	07/01/2018		
21	05/06/2014	61	07/04/2016	102	23/01/2018		
22	21/06/2014	62	23/04/2016	103	08/02/2018		
23	07/07/2014	63	09/05/2016	104	24/02/2018		
24	23/07/2014	64	25/05/2016	105	12/03/2018		
25	08/08/2014	65	10/06/2016	106	28/03/2018		
26	24/08/2014	66	26/06/2016	107	13/04/2018		
27	09/09/2014	67	12/07/2016	108	29/04/2018		
28	25/09/2014	68	28/07/2016	109	15/05/2018		
29	11/10/2014	69	13/08/2016	110	31/05/2018		
30	27/10/2014	70	29/08/2016	111	16/06/2018		
31	12/11/2014	71	14/09/2016	112	02/07/2018		
32	28/11/2014	72	30/09/2016	113	18/07/2018		
33	14/12/2014	73	16/10/2016	114	03/08/2018		
34	30/12/2014	74	01/11/2016	115	19/08/2018		
35	15/01/2015	75	03/12/2016	116	03/06/2019		
36	31/01/2015	76	19/12/2016	117	19/06/2019		
37	16/02/2015	77	04/01/2017	118	05/07/2019		
38	20/03/2015	78	20/01/2017	119	21/07/2019		
39	05/04/2015	79	05/02/2017	120	06/08/2019		
40	21/04/2015	80	21/02/2017	121	22/08/2019		

Supplementary data C

TS 2. List of VENμS images.

Image Num	Date	Image Num	Date
1	02/06/2019	41	08/10/2019
2	04/06/2019	42	12/10/2019
3	10/06/2019	43	14/10/2019
4	16/06/2019	44	20/10/2019
5	20/06/2019	45	24/10/2019
6	24/06/2019		
7	28/06/2019		
8	30/06/2019		
9	02/07/2019		
10	04/07/2019		
11	06/07/2019		
12	08/07/2019		
13	10/07/2019		
14	12/07/2019		
15	14/07/2019		
16	16/07/2019		
17	18/07/2019		
18	22/07/2019		
19	24/07/2019		
20	01/08/2019		
21	03/08/2019		
22	05/08/2019		
23	11/08/2019		
24	13/08/2019		
25	15/08/2019		
26	17/08/2019		
27	19/08/2019		
28	23/08/2019		
29	25/08/2019		
30	27/08/2019		
31	02/09/2019		
32	06/09/2019		
33	10/09/2019		
34	12/09/2019		
35	18/09/2019		
36	24/09/2019		
37	26/09/2019		
38	30/09/2019		
39	02/10/2019		
40	06/10/2019		