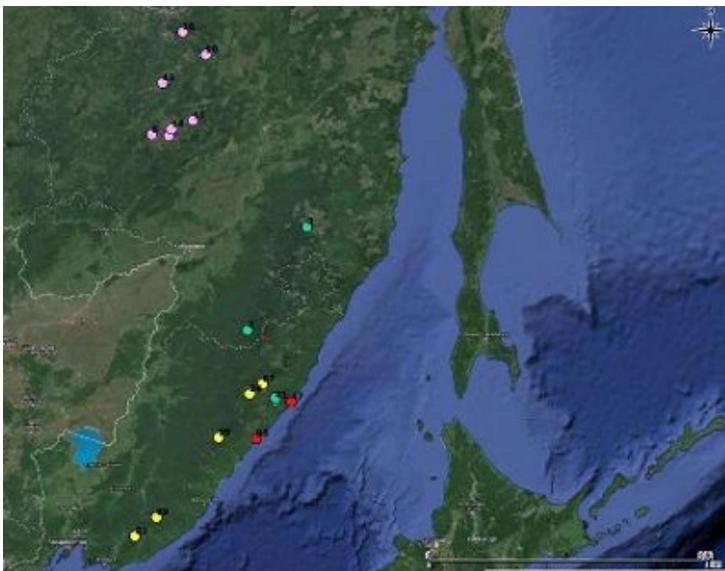


Project Update: April 2015

Creating of the database, mapping and analysing were our main tasks for the period from November 2014 to March 2015. The map of distribution of the endemic species was prepared in QGIS 2.6.1., a free programme product. For that we used all points of the endemic species distribution which we have received from the herbarium collections and our field research. We created a database of the studied endemic species with the ecological and climatic characteristics for each point, in total 72 characteristics. Having this data we count the range of conditions for each endemic species. For example, it was established the endemic species *Saussurea porcellanea* can exist from 1343 to 1840 m above sea level and at an annual mean temperature from -5°C to -1.9°C , and *Saussurea vyschinii* from 1182 to 1818 m above sea level and at an annual mean temperature from -8°C to -2.3°C .



The map of distribution of the endemic species of *Saussurea* constructed on the basis of herbarium data and our field data (*S. porcellanea* – the yellow symbols; *S. vyschinii* – the green symbols; *S. kolesnikovii* – the red symbols; *S. tomentosa* – the pink symbols).



Area of the *Saussurea vyschinii* population in the Tuman Mountain (Central Sikhote-Alin).

ID	Species	Prec	Prec	Prec	Prec	Prec	BIO1	BIO2	BIO3	BIO4	BIO5
74	Saussurea porcolanica Lipsch	199	141	78	49	31	-2,9	8,5	21	11142	16,3
71	Saussurea porcolanica Lipsch	199	141	78	49	31	-2,9	8,5	21	11142	16,3
16-P	Saussurea porcolanica Lipsch	199	141	78	49	31	-2,9	8,5	21	11142	16,3
21	Saussurea porcolanica Lipsch	190	137	74	48	30	-1,9	8,5	21	11121	17,3
89, 70, 73	Saussurea porcolanica Lipsch	201	145	79	50	32	-3,8	8,8	21	11292	15,9
20, 16-P	Saussurea porcolanica Lipsch	192	141	77	49	31	-2,7	8,8	21	11269	16,7
15-P	Saussurea porcolanica Lipsch	192	141	77	49	31	-2,7	8,8	21	11269	16,7
99, 101	Saussurea porcolanica Lipsch	191	142	82	50	29	-3,8	9,5	22	11517	16,3
68	Saussurea porcolanica Lipsch	183	139	78	48	28	-2,9	9,6	22	11434	17,1
77	Saussurea porcolanica Lipsch	188	141	81	49	29	-3,5	9,5	22	11443	16,4
74	Saussurea porcolanica Lipsch	201	146	80	56	33	-5	9,2	22	11373	14,8
100	Saussurea porcolanica Lipsch	197	145	89	55	32	-4,5	9,3	22	11390	15,3
67	Saussurea porcolanica Lipsch	195	145	81	57	33	-4,3	9,1	22	11205	15,4
41	Saussurea vyschini Beralov	182	149	84	61	35	-2,9	8,9	22	10690	16,3
44-P	Saussurea vyschini Beralov	178	147	92	59	35	-2,3	8,9	22	10666	16,8
44-P	Saussurea vyschini Beralov	179	147	92	60	35	2,4	8,9	22	10684	16,7
44-P	Saussurea vyschini Beralov	182	149	93	60	35	2,9	8,9	22	10713	16,3
3	Saussurea vyschini Beralov	172	109	83	46	31	5,3	9	20	12466	15,4
4	Saussurea vyschini Beralov	193	120	89	50	34	8	9	20	12588	12,8
1, 2	Saussurea vyschini Beralov	217	135	88	51	31	6,9	9,3	21	12319	13,7
5	Saussurea vyschini Beralov	209	131	85	50	30	5,8	9,3	21	12319	14,6
10 P	Saussurea koleznikovi Khokhr. et V	127	131	83	55	32	4,1	8,7	23	9908	22,2
1, 47, 11 P	Saussurea koleznikovi Khokhr. et V	127	131	83	56	32	4,1	8,7	23	9925	22,4
13, 12, P	Saussurea koleznikovi Khokhr. et V	124	133	77	48	25	4,3	9,7	25	10059	20

Part of the database with the ecological and climatic parameters in the sampling points.