

**Table S1: Results of the text analysis**

List of the different identified conflicts with conflict lines and urban-fringe alliances

*Abbreviations used in table:*

City: City of Schwerin

Fringe: Official fringe of Schwerin

Rural: Communities outside the official fringe, but within the two administrative districts that border the city of Schwerin

MWP: Mecklenburg-Western Pomerania

FRG: Federal Republic of Germany

EU: European Union

CityX: City other than Schwerin

FringeX: Fringe belonging to a city other than Schwerin

	<b>Conflict</b>	<b>Conflict lines</b>	<b>Urban-fringe alliance</b>
1	Fish ladder and weir	Fringe-Fringe	No
2	Agricultural activities in conflict with new residential neighbourhood	CityX-Rural	No
3	Photovoltaics block space for new industrial construction	CityX-CityX	No
4	Transformer station	Fringe-Unclear	No
5	Rebuilding of freeway access	Fringe-City <i>and</i> fringe	No
6	Collaborative housing project	City-City	No
7	Outlet center	City-CityX	No
8	Brine pool	City-Fringe	No
9	Dock construction	City-Fringe	No
10	Removing ruins of failed investment	Fringe-Unclear	No
11	Right of dam	Fringe-Fringe	No
12	Illegal ploughing of kettle holes	Fringe-FRG	No
13	Access road through area of amphibian migration	City-City	No
14	Constraints from drinking water protection zones and nature conservation areas	Fringe-Fringe	No
15	Establishment of primeval forest	Fringe-City <i>and</i> fringe	No
16	Contractual nature conservation agreement disregarded	City-Fringe	No
17	High land value restricts development of new residential areas	Fringe-Fringe	No
18	Agricultural transports damage communal road	Fringe-Fringe	No
19	Drainage	Fringe-Fringe	No
20	Jetty construction failed	Fringe-Fringe	No
21	Overcrowded bicycle lane	City-City, City-City <i>and</i> fringe	No

22	Unequal distribution of recreational use of Schwerin lakes	City-Fringe	No
23	Contradiction between goals regarding species conservation, environmental conservation, compensation areas, renewable energy, industrial production, and reduction of sealed surfaces	FRG-FRG	No
24	Fresh air corridor in conflict with planned construction	City-City	No
25	Power line near settled area	Fringe-City, Fringe-Fringe, Fringe-MWP	Yes
26	Development of (tourist) infrastructure	City-City, City-Fringe	Yes
27	Water body conservation measures in conflict with agriculture	City <i>and</i> fringe-Fringe, City <i>and</i> fringe-Rural, Fringe-Fringe	No
28	Bike lanes obstruct water body conservation measures	CityX <i>and</i> fringeX-FringeX, CityX <i>and</i> fringeX-Rural	No
29	Land use competition between agriculture, tourism, industry and residential uses	Rural-Rural	No
30	Industrial park	Rural-Rural, CityX-Rural	No
31	Extension of boatyard	CityX-CityX	No
32	Reactivating of train line	Fringe-Fringe, Rural-Rural, MWP-MWP	No
33	Loss of agricultural land due to construction (in general)	Fringe-Fringe, Rural-Rural, City-Fringe	Yes
34	Loss of agricultural land due to construction, here for freeway	Fringe-City <i>and</i> fringe, Fringe-MWP	No
35	Loss of agricultural land due to construction, here for train line and highway	City-Unclear	No
36	Loss of agricultural land due to construction, here for residential area (case 1)	City-City	No
37	Loss of agricultural land due to construction, here for residential area (case 2)	Fringe-Fringe	No
38	Loss of agricultural land due to construction, here for residential area (case 3)	Fringe-Fringe	No
39	Loss of agricultural land due to construction of photovoltaics	Fringe-Unclear	No
40	Loss of agricultural land due to construction, here for freeway	Fringe-Fringe, Fringe-City	Yes
41	Loss of agricultural land due to construction, here for residential area (case 4)	Rural-CityX	No
42	Loss of agricultural land due to construction, here for industrial area	Rural-Rural	No

43	Recreational use of Schwerin lakes versus nature conservation (in general)	City <i>and</i> fringe-City <i>and</i> fringe	No
44	Recreational use of Schwerin lakes versus nature conservation, here ban on navigation in specific area	City <i>and</i> fringe-City <i>and</i> fringe, City <i>and</i> fringe-FRG	No
45	Recreational use of Schwerin lakes versus nature conservation, here to protect wild geese	City <i>and</i> fringe-City <i>and</i> fringe	No
46	Recreational use of Schwerin lakes versus nature conservation, here berths in nature conservation area	City <i>and</i> fringe-City <i>and</i> fringe	No
47	Recreational use of Schwerin lakes versus nature conservation, here breeding birds	City <i>and</i> fringe-City <i>and</i> fringe	No
48	Dock built in bird habitat	City <i>and</i> fringe-City	No
49	Conflicts around finding compensation areas (in general)	City-Fringe, City-Rural, Fringe-Fringe, Rural-Rural, City-City	No
50	Conflict around finding compensation areas (case 1)	City-Fringe	No
51	Conflict around finding compensation areas (case 2)	Fringe-FRG	No
52	Conflict between compensation area and agriculture (case 1)	City-Fringe	No
53	Conflict between compensation area and agriculture (case 2)	Fringe-Unclear	No
54	Conflict around finding compensation areas (case 3)	Rural-FRG	No
55	Conflict between industrial construction and species conservation	City-City, City-Fringe	No
56	Gravel mining	Fringe-Fringe, Fringe-MWP	No
57	Design of public transport space	Fringe-Fringe	No
58	Residential development in fringe (in general)	City-Fringe	No
59	Residential development regulation (case 1)	City-Fringe	No
60	Residential development regulation (case 2)	City-Fringe, Fringe-City <i>and</i> fringe	No
61	Residential development regulation (case 3)	City-Fringe	No
62	Residential development regulation (case 4)	City-Fringe	No
63	Residential development regulation (case 5)	City-Fringe	No
64	Residential development regulation (case 6)	City-Fringe	No
65	Residential development regulation (case 7)	City-Fringe	No
66	Residential development regulation (case 8)	City-Fringe	No

67	Residential development regulation (case 9)	City-Fringe	No
68	Residential development regulation (case 10)	City-Fringe	No
69	Residential development regulation (case 11)	City-Fringe	No
70	Residential development regulation (case 12)	City-Fringe	No
71	Competition for leased land	Fringe-Fringe, Rural-Rural	No
72	Competition for agricultural land	City-City, Fringe-City	No
73	Loss of agricultural diversity	Fringe-Fringe, Rural-Rural	No
74	Contradiction between nature conservation and conditions for EU agricultural subsidies	Fringe-EU, Rural-EU, City-Fringe	No
75	Competition for land between agriculture and Landgesellschaft MV	Fringe-Fringe, Rural-Rural	No
76	Land consumption by renewable energy infrastructure	Fringe-FRG, Rural-FRG	No
77	Conflict around construction of horseback riding, hiking, and cycling trails	Fringe-Fringe, City-Fringe, City-City	Yes
78	Construction of bicycle lane blocked	Fringe-Fringe, Fringe-City <i>and</i> fringe	No
79	Construction of bicycle lane in nature conservation area	Fringe-Fringe, Fringe-City <i>and</i> fringe	No
80	Change of bicycle lane course	City-City, City-City <i>and</i> fringe	No
81	Nature conservation areas obstruct development of residential areas	Fringe-Fringe	No
82	Lack of communal land	Fringe-Fringe	No
83	Failed implementation of climate protection concepts	Fringe-Fringe, Fringe-MWP, Fringe-City	No
84	Conflict about wind turbines (case 1)	Fringe-MWP, Fringe-FRG	No
85	Conflict about wind turbines (case 2)	Unclear-Unclear	No
86	Conflict about wind turbines (case 3)	Fringe-Unclear	No
87	Conflict about wind turbines (case 4)	Fringe-Unclear	No
88	Conflict about wind turbines (case 5)	Fringe-Fringe	No
89	Extension of feedlots	Fringe-Fringe	No
90	Challenges from commuter flows	City-Fringe	No
91	Lack of parking lots	City-Fringe, City-City, City-Rural	Yes
92	Lack of understanding for agriculture among citizens	City-Fringe, Fringe-Fringe	Yes
93	Construction of seniors' infrastructure	City-Fringe	No
94	Construction of intergenerational project	City-Fringe	No
95	Conflict between reduction of sealed surfaces and demand for residential areas in rural environments	City-Fringe, City-City	No
96	Afforestation of agricultural land	Unclear-Unclear	No

97	Construction of biogas plants	Fringe-Fringe, City-Fringe	No
98	Problems with existing biogas plants and composters	Fringe-Fringe	No
99	Conflict about public services and retail	City-Fringe	No
100	Location of vocational college	City-Fringe	No
101	Nutrient inputs into lake that is low in nutrients (case 1)	City-Fringe, Fringe-Fringe, City-City	Yes
102	Nutrient inputs into lake that is low in nutrients (case 2)	Fringe-Fringe	No
103	Visitors disregard rules of forest use	City-City, City-Fringe	Yes
104	Conflict between forestry and nature conservation	City-City, City-Fringe, Fringe-Fringe	Yes
105	Lack of appreciation for forestry among citizens	City-City, City-Fringe, Fringe-Fringe	Yes
106	Littering in forest (case 1)	Fringe-Fringe, City-Fringe	Yes
107	Littering in forest (case 2)	City-City	No
108	Motocross bikes in forest	Fringe-Fringe, City-Fringe	Yes
109	Unleashed dogs in forest	Fringe-Fringe, City-Fringe	Yes
110	Conflict between forestry and horseback riding	Fringe-Fringe	No
111	Conflict about desired water level in lake	Fringe-Fringe	No
112	Photovoltaics	Fringe-Fringe	No
113	Planned facility to raise laying hens	Fringe-Fringe, Fringe-MWP, Fringe-City, Fringe-FRG	Yes
114	Planned facility for dairy cows	Rural-Rural, CityX-Rural	No
115	Expansion of highway (case 1)	City-City	No
116	Expansion of highway (case 2)	City-City	No
117	Measures for heavy rain protection	City-City	No
118	Ecological priority areas	Fringe-EU	No
119	Conflict about wind turbines	Fringe-Unclear	No
120	Loss of mixed residential / trade areas	City-City	No
121	Loss of agricultural land due to afforestation	Fringe-Fringe	No
122	Lack of understanding for agriculture among new residents	Fringe-Fringe	No
123	Short terms of lease for agricultural land	City-Fringe	No
124	Trees overgrow agricultural land	City-Fringe	No