WP3 – Accessibility Model

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Jointly for our common future

Basic parts of model

- **Inputs** – settlement structure (LAU2) and road network
- **Model** – definition of sources and targets in GIS
- **Calculation** – accessibility according time/distance
- **Outputs** – tables and maps of LAU2 accesibilities

Topology of road network

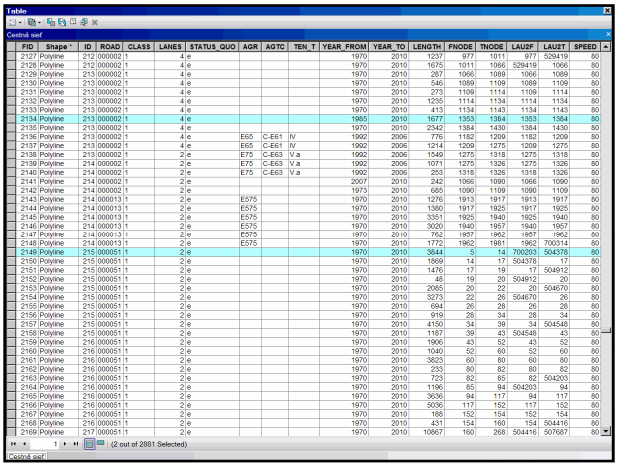
- **Oriented graph of lines / road sections and nodes / crossroads**

- **Regular node** – connection of 3 or road sections
- **Pseudo node** – connection of 2 road sections
- **Dandle node** – simple node without connection to any other road section

- **Regular node** – centre of LAU2 unit and / or crossroad
- **Pseudo node** – centre of LAU2 unit or important change of road characteristics
- **Dandle node** – centre of LAU2 unit or physical end of road

Structure of road network model

- **Identification number of road section**
- **Label of road**
- **Class (M, E, 1., 2., 3. class, important city / local road)**
- **Number of lanes (2, 4, 6)**
- **Status quo (actual, under construction, planned / proposed)**
- **Label according UNECE (AGR, AGTC)**
- **Label according TEN-T (Pan-european corridor, Priority project)**
- **Length of road section**
- **Year of operation beginning / end**
- **Number of from and to node / LAU2 unit**
- **Average speed on road section**



FID	Shape *	ID	ROAD	CLASS	LANES	STATUS_QUO	AGR	AGTC	TEN_T	YEAR_FROM	YEAR_TO	LENGTH	FNODE	TNODE	LAU2F	LAU2T	SPEED
2127	Polyline	212	0000021	1	4	e				1970	2010	1237	977	1011	977	529419	80
2128	Polyline	212	0000021	1	4	e				1970	2010	1675	1011	1066	529419	1066	80
2129	Polyline	213	0000021	1	4	e				1970	2010	287	1066	1089	1066	1089	80
2130	Polyline	213	0000021	1	4	e				1970	2010	546	1089	1109	1089	1109	80
2131	Polyline	213	0000021	1	4	e				1970	2010	273	1109	1114	1109	1114	80
2132	Polyline	213	0000021	1	4	e				1970	2010	1235	1114	1134	1114	1134	80
2133	Polyline	213	0000021	1	4	e				1970	2010	413	1134	1143	1134	1143	80
2134	Polyline	213	0000021	1	4	e				1985	2010	1677	1353	1384	1353	1384	80
2135	Polyline	213	0000021	1	4	e				1970	2010	2342	1384	1430	1384	1430	80
2136	Polyline	213	0000021	1	4	e	E65	C-E61	IV	1992	2006	776	1182	1209	1182	1209	80
2137	Polyline	213	0000021	1	4	e	E65	C-E61	IV	1992	2006	1214	1209	1275	1209	1275	80
2138	Polyline	213	0000021	1	2	e	E75	C-E63	V.a	1992	2006	1549	1275	1318	1275	1318	80
2139	Polyline	214	0000021	1	2	e	E75	C-E63	V.a	1992	2006	1071	1275	1326	1275	1326	80
2140	Polyline	214	0000021	1	2	e	E75	C-E63	V.a	1992	2006	253	1318	1326	1318	1326	80
2141	Polyline	214	0000021	1	2	e				2007	2010	242	1066	1090	1066	1090	80
2142	Polyline	214	0000021	1	2	e				1973	2010	685	1090	1109	1090	1109	80
2143	Polyline	214	0000013	1	2	e	E575			1970	2010	1276	1913	1917	1913	1917	80
2144	Polyline	214	0000013	1	2	e	E575			1970	2010	1380	1917	1925	1917	1925	80
2145	Polyline	214	0000013	1	2	e	E575			1970	2010	3351	1925	1940	1925	1940	80
2146	Polyline	214	0000013	1	2	e	E575			1970	2010	3020	1940	1957	1940	1957	80
2147	Polyline	214	0000013	1	2	e	E575			1970	2010	762	1957	1962	1957	1962	80
2148	Polyline	214	0000013	1	2	e	E575			1970	2010	1772	1962	1981	1962	700314	80
2149	Polyline	215	0000051	1	2	e				1970	2010	3844	5	14	700203	504378	80
2150	Polyline	215	0000051	1	2	e				1970	2010	1869	14	17	504378	17	80
2151	Polyline	215	0000051	1	2	e				1970	2010	1476	17	19	17	504912	80
2152	Polyline	215	0000051	1	2	e				1970	2010	48	19	20	504912	20	80
2153	Polyline	215	0000051	1	2	e				1970	2010	2065	20	22	20	504670	80
2154	Polyline	215	0000051	1	2	e				1970	2010	3273	22	26	504670	26	80
2155	Polyline	215	0000051	1	2	e				1970	2010	694	26	28	26	28	80
2156	Polyline	215	0000051	1	2	e				1970	2010	919	28	34	28	34	80
2157	Polyline	215	0000051	1	2	e				1970	2010	4150	34	39	34	504548	80
2158	Polyline	215	0000051	1	2	e				1970	2010	1187	39	43	504548	43	80
2159	Polyline	216	0000051	1	2	e				1970	2010	1906	43	52	43	52	80
2160	Polyline	216	0000051	1	2	e				1970	2010	1040	52	60	52	60	80
2161	Polyline	216	0000051	1	2	e				1970	2010	3823	60	80	60	80	80
2162	Polyline	216	0000051	1	2	e				1970	2010	233	80	82	80	82	80
2163	Polyline	216	0000051	1	2	e				1970	2010	723	82	85	82	504203	80
2164	Polyline	216	0000051	1	2	e				1970	2010	1196	85	94	504203	94	80
2165	Polyline	216	0000051	1	2	e				1970	2010	3636	94	117	94	117	80
2166	Polyline	216	0000051	1	2	e				1970	2010	5036	117	152	117	152	80
2167	Polyline	216	0000051	1	2	e				1970	2010	188	152	154	152	154	80
2168	Polyline	216	0000051	1	2	e				1970	2010	431	154	160	154	504416	80
2169	Polyline	217	0000051	1	2	e				1970	2010	10867	160	268	504416	507687	80

Accessibility Model

- **Accessibility of border crossing**
- **Accessibility of ports**
- **Accessibility of airports**
- **Delimitation of CDR core area**

Samples of Accessibility model

- Accesibility of border crossings – WS9_TAM_BC.pdf
- Accesibility of ports – WS9_TAM_Ports.pdf
- Accesibility of airports – WS9_TAM_Airport.pdf

Thank you for your attention and patience as well,

Have a nice day