Figure S1. Distribution of As via geochemical indices in TSP of Klaipėda. Legend: (a) *Igeo'C* (hollow squares) and *Igeo'N* (circles); (b) *aE'N* (circles) classed into seven levels when thresholds (THR) are from *SCC* of [33]; (b) *aE'N* (circles) classed into four levels when THR are from *SCC* of [51] with the reference to [52]; (c) *nEF'Al'C* (hollow squares) and *nEF'Al'N* (circles) classed into three possible origin levels where the solid line in the legend indicates classification according to common publications [45-47], i.e. the green colour (<1) indicating significant crustal origin, yellow shading (1–10) – mixed origin, while red, violet or blue colours – significant anthropogenic origin, while the dotted dashes line shows the two-THR scheme proposed by [40]. Ortophoto map layer data: google maps.
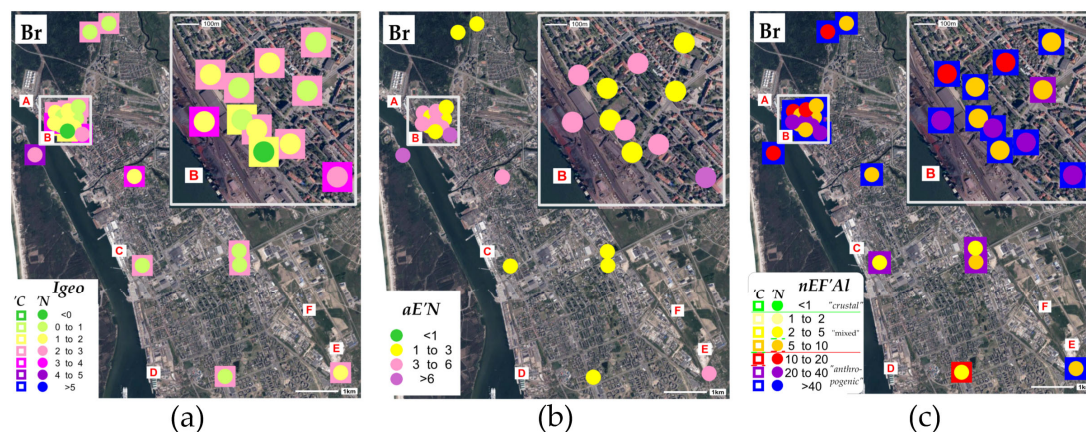

Figure S2. Distribution of Br via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
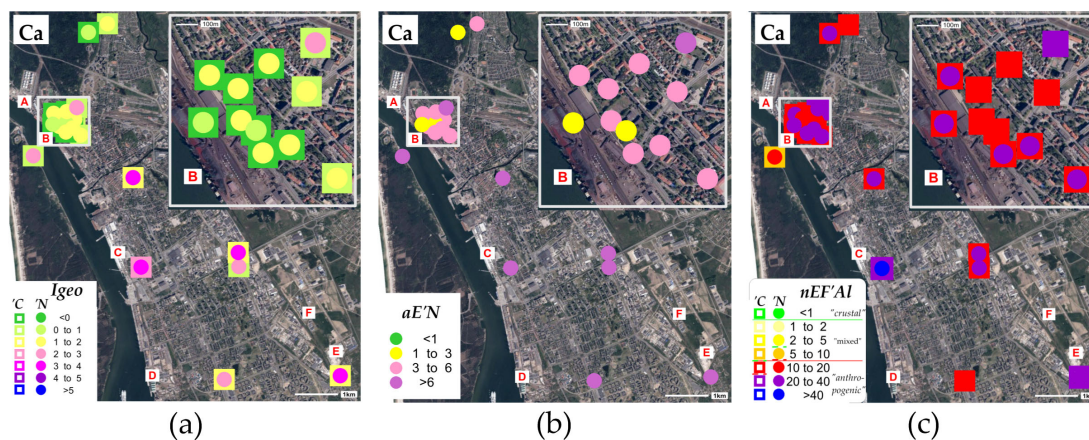
Figure S3. Distribution of Ca via geochemical indices in TSP of Klaipėda. A detailed description is in Figure 1. Ortophoto map layer data: google maps.
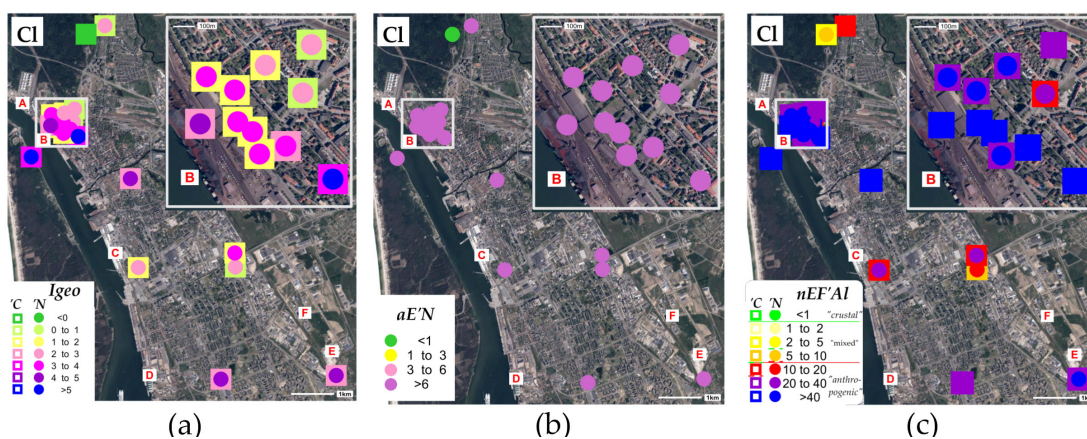

Figure S4. Distribution of Cl via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
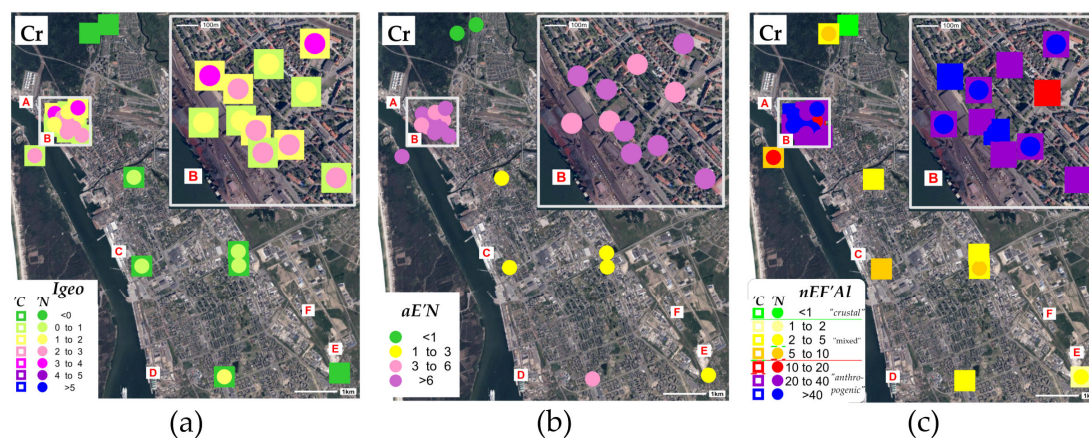

Figure S5. Distribution of Cr via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
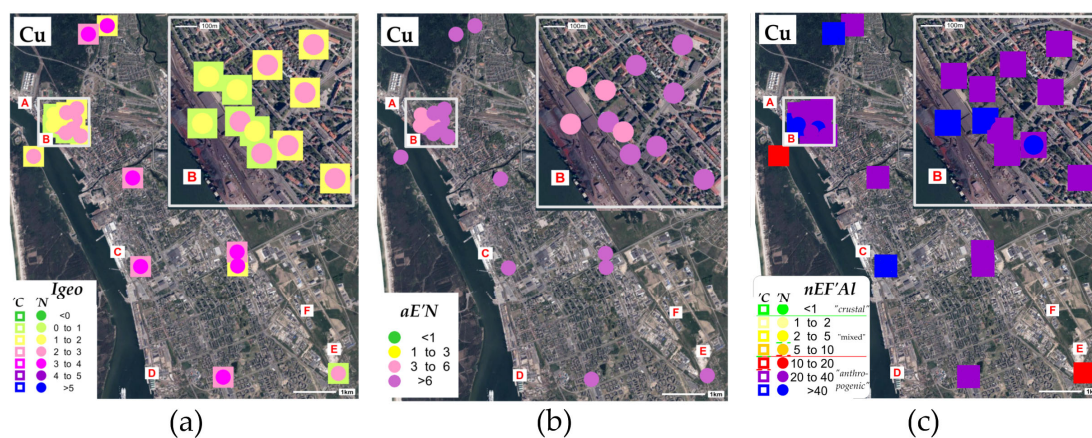
Figure S6. Distribution of Cu via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
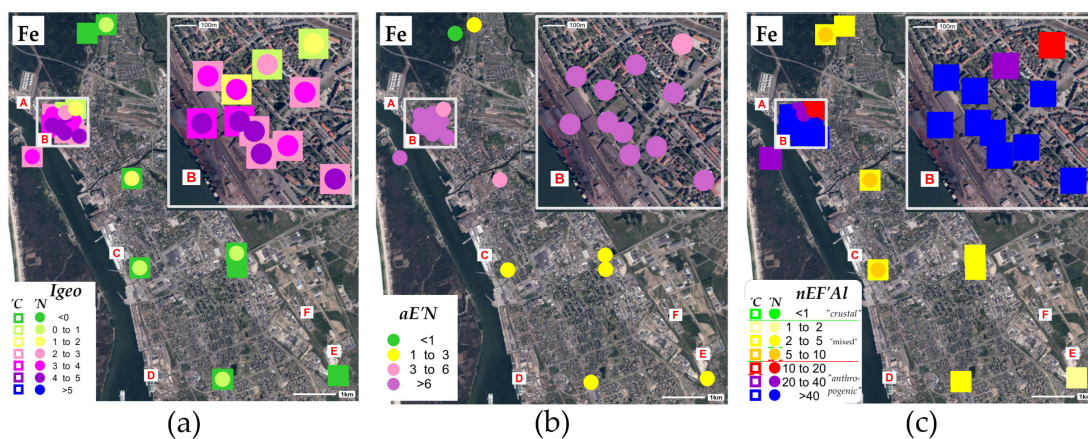

Figure S7. Distribution of Fe via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
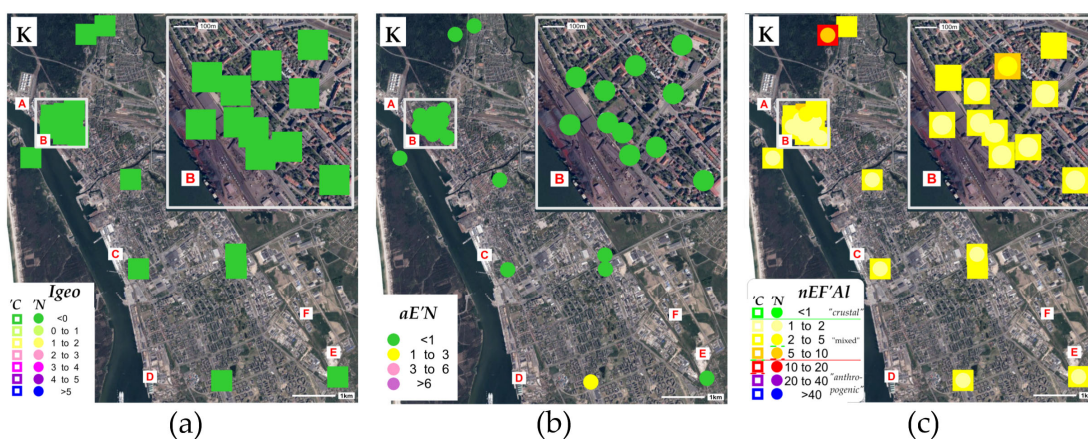

Figure S8. Distribution of K via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
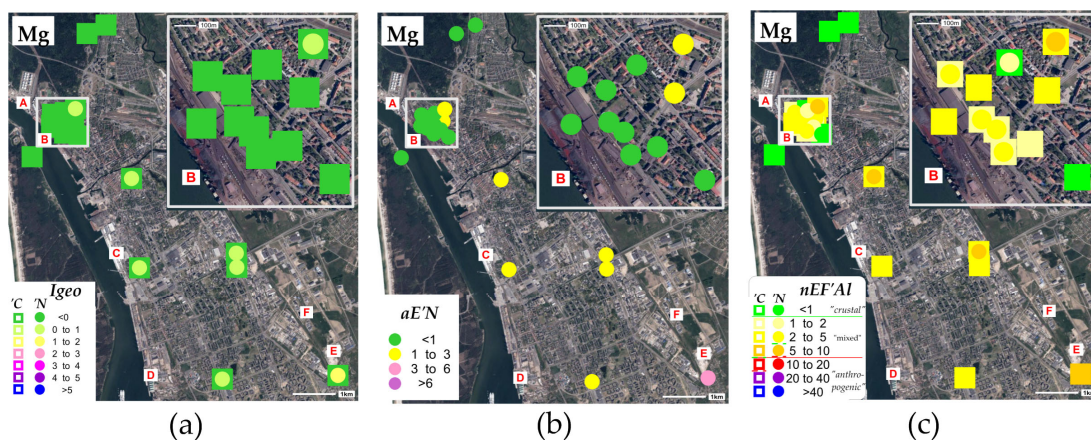
Figure S9. Distribution of Mg via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
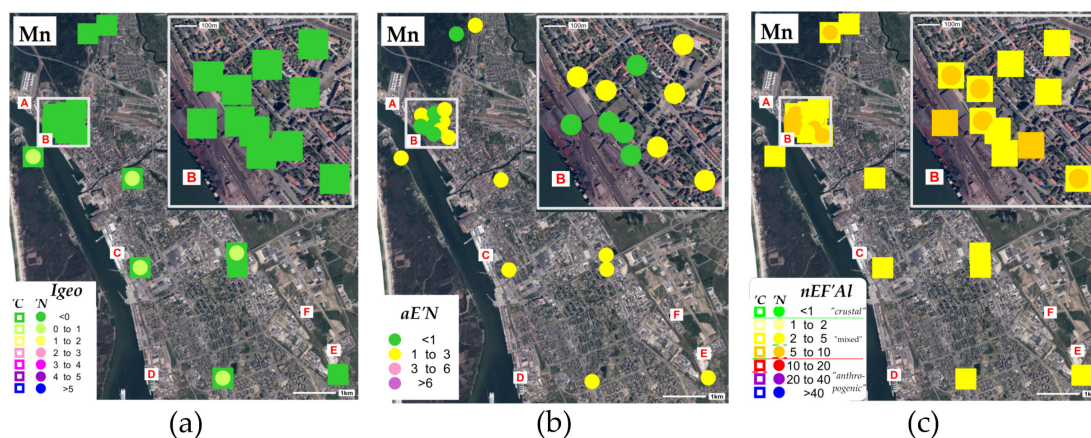

Figure S10. Distribution of Mn via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
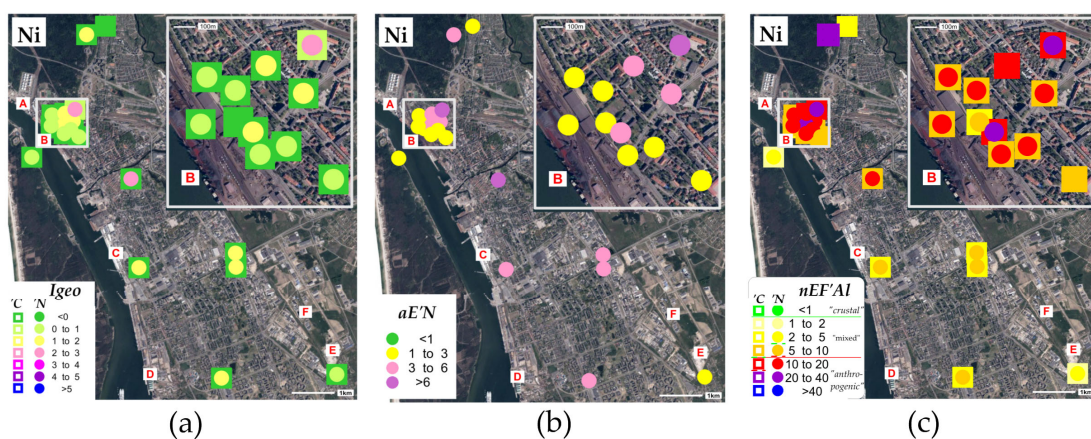

Figure S11. Distribution of Ni via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
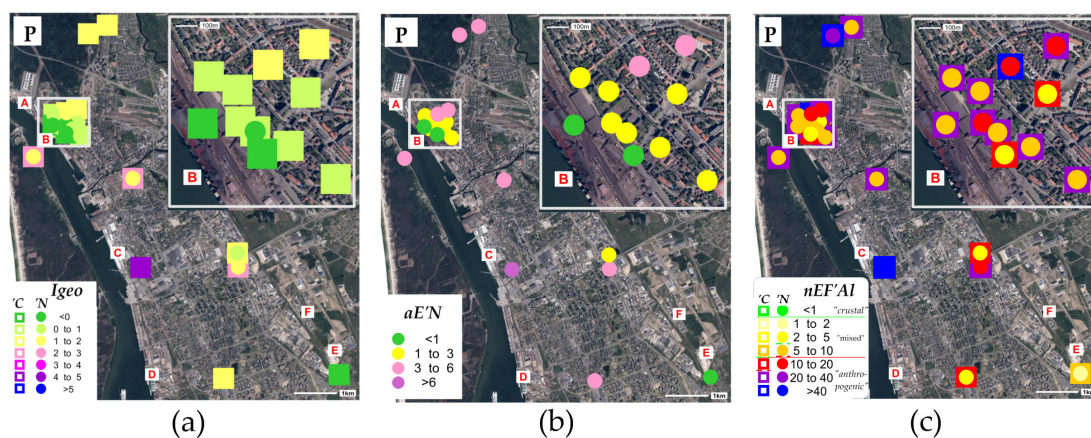
Figure S12. Distribution of P via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
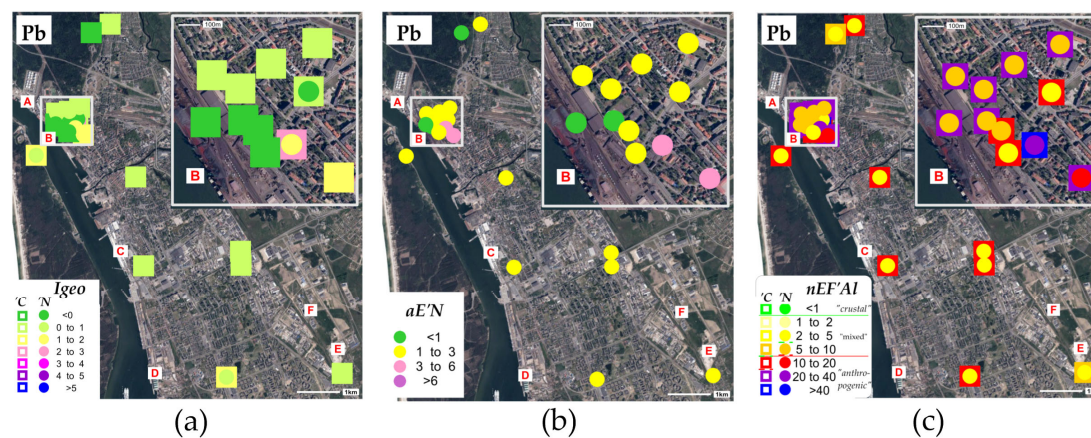

Figure S13. Distribution of Pb via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
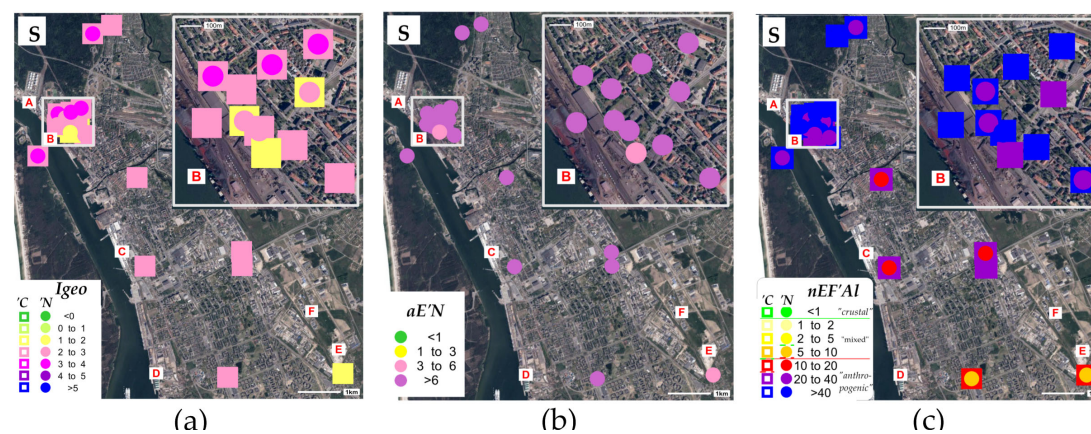

Figure S14. Distribution of S via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
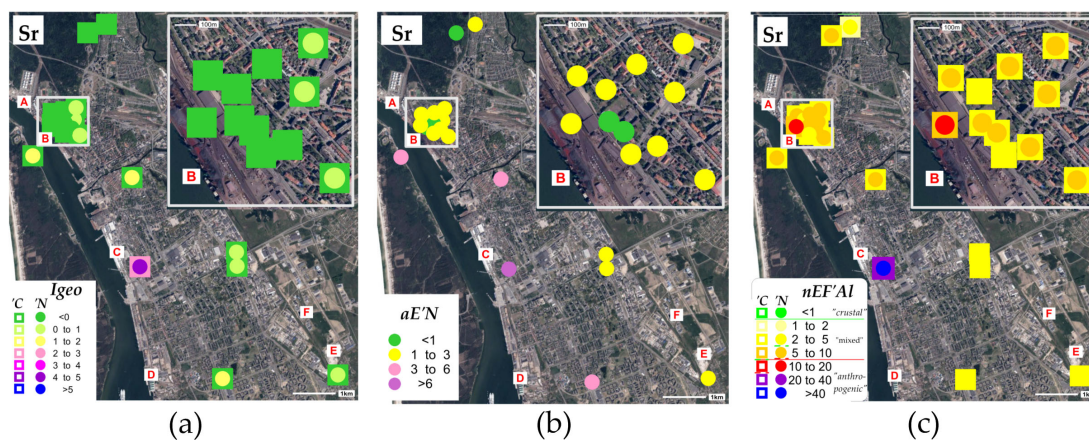
Figure S15. Distribution of Sr via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
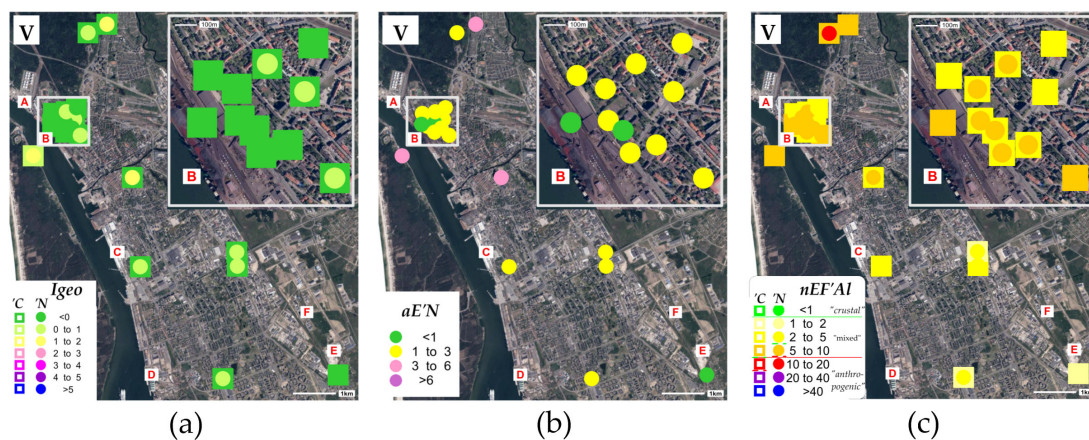

Figure S16. Distribution of V via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.
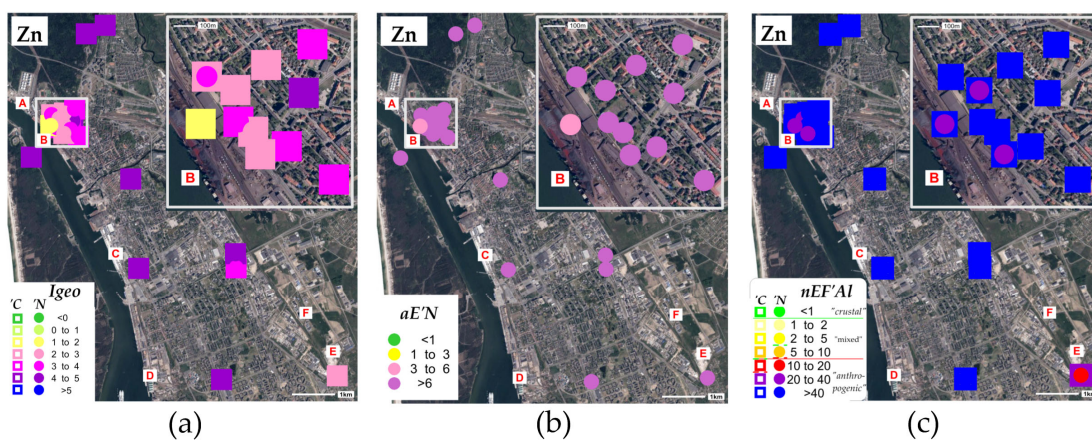

Figure S17. Distribution of Zn via geochemical indices in TSP of Klaipėda. A detail description is in Figure 1. Ortophoto map layer data: google maps.