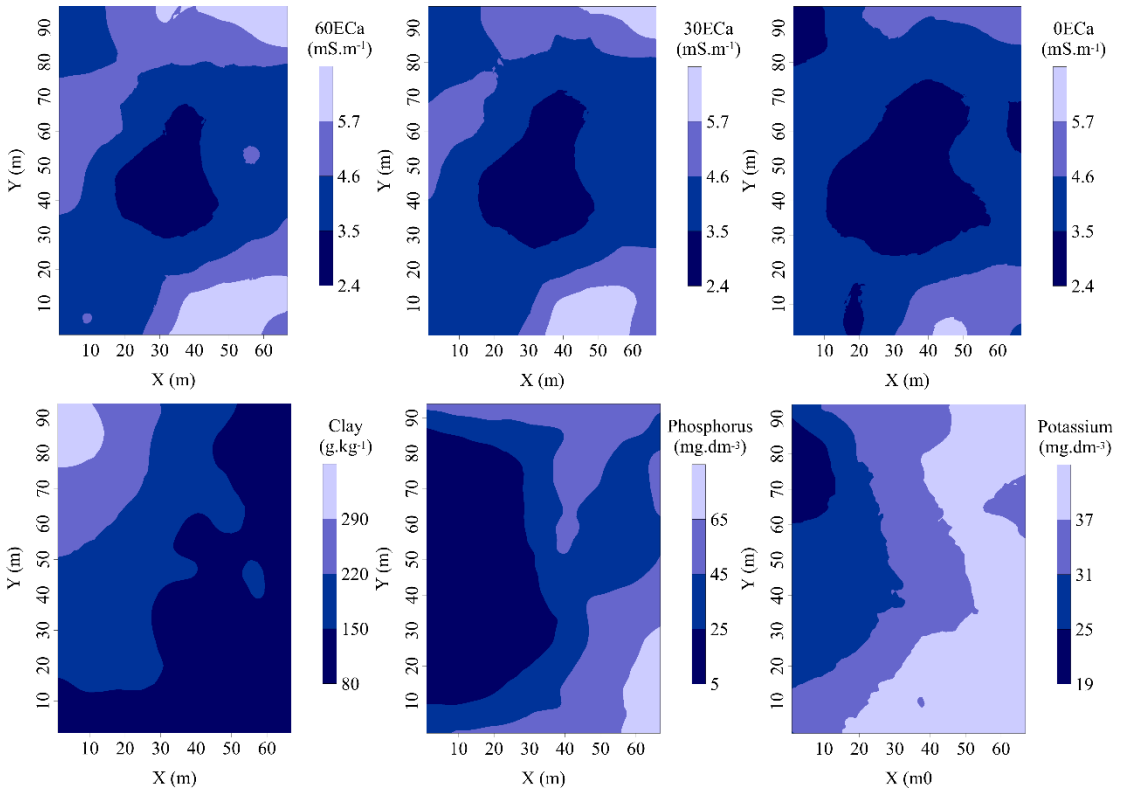

Figure 1. Thematic maps of the physical, chemical and apparent electrical conductivity of the soil (0ECa: measurement on the same day as the soil sample collection; 30ECa: measurement 30 days before soil sample collection; 60ECa: measurement 60 days before soil sample collection).

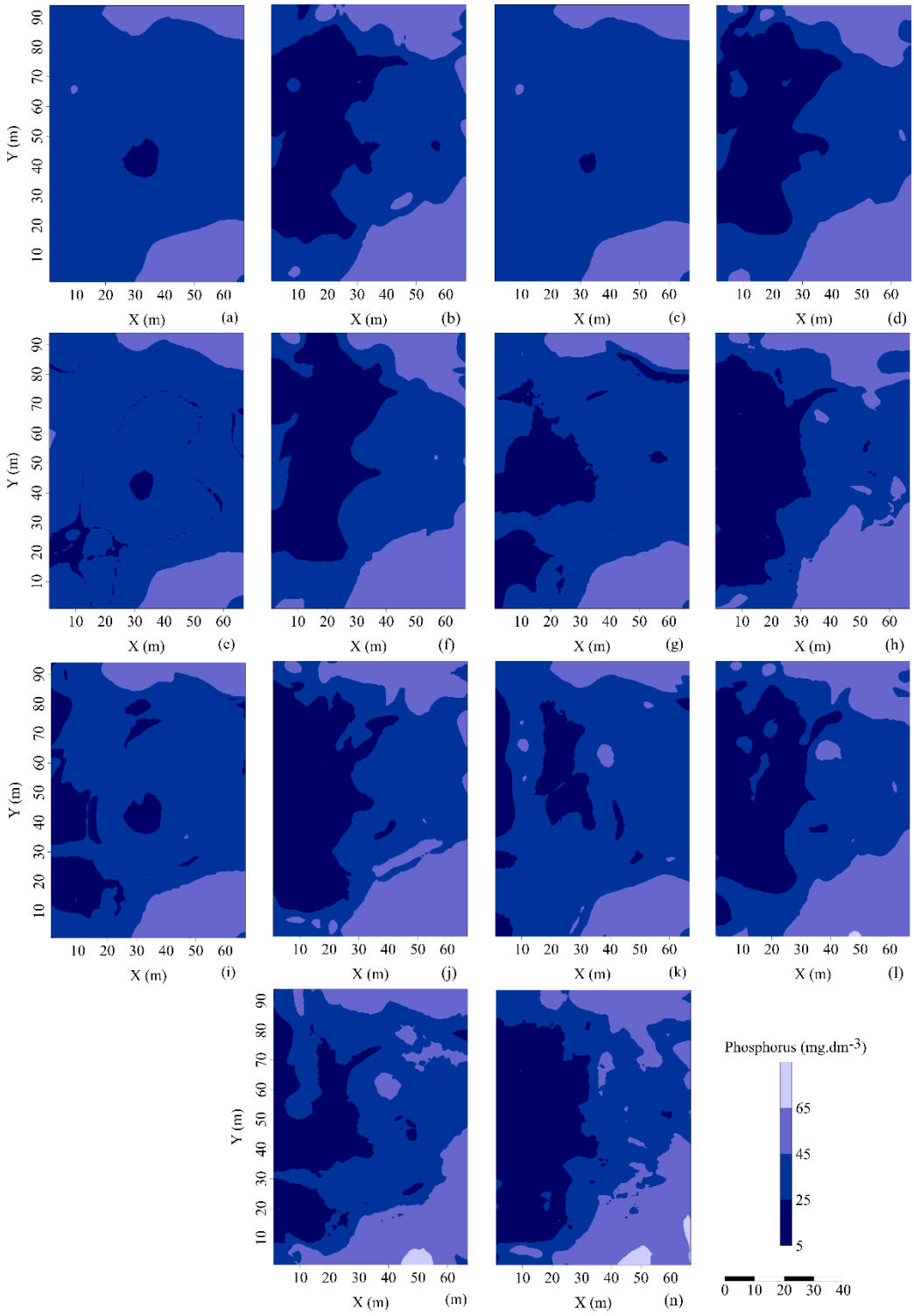

Figure 2. Thematic maps of available phosphorus in the soil predicted by neural networks. (a) 0ECa; (b) 0ECaCLAY; (c) 30ECa; (d) 30ECaCLAY; (e) 60ECa; (f) 60ECaCLAY; (g) 0_30ECa; (h) 0_30ECaCLAY; (i) 0_60ECa; (j) 0_60ECaCLAY; (k) 30_60ECa; (l) 30_60ECaCLAY; (m) 0_30_60ECa; (n) 0_30_60ECaCLAY (0ECa: measurement on the same day as the soil sample collection; 30ECa: measurement 30 days before soil sample collection; 60ECa: measurement 60 days before soil sample collection).

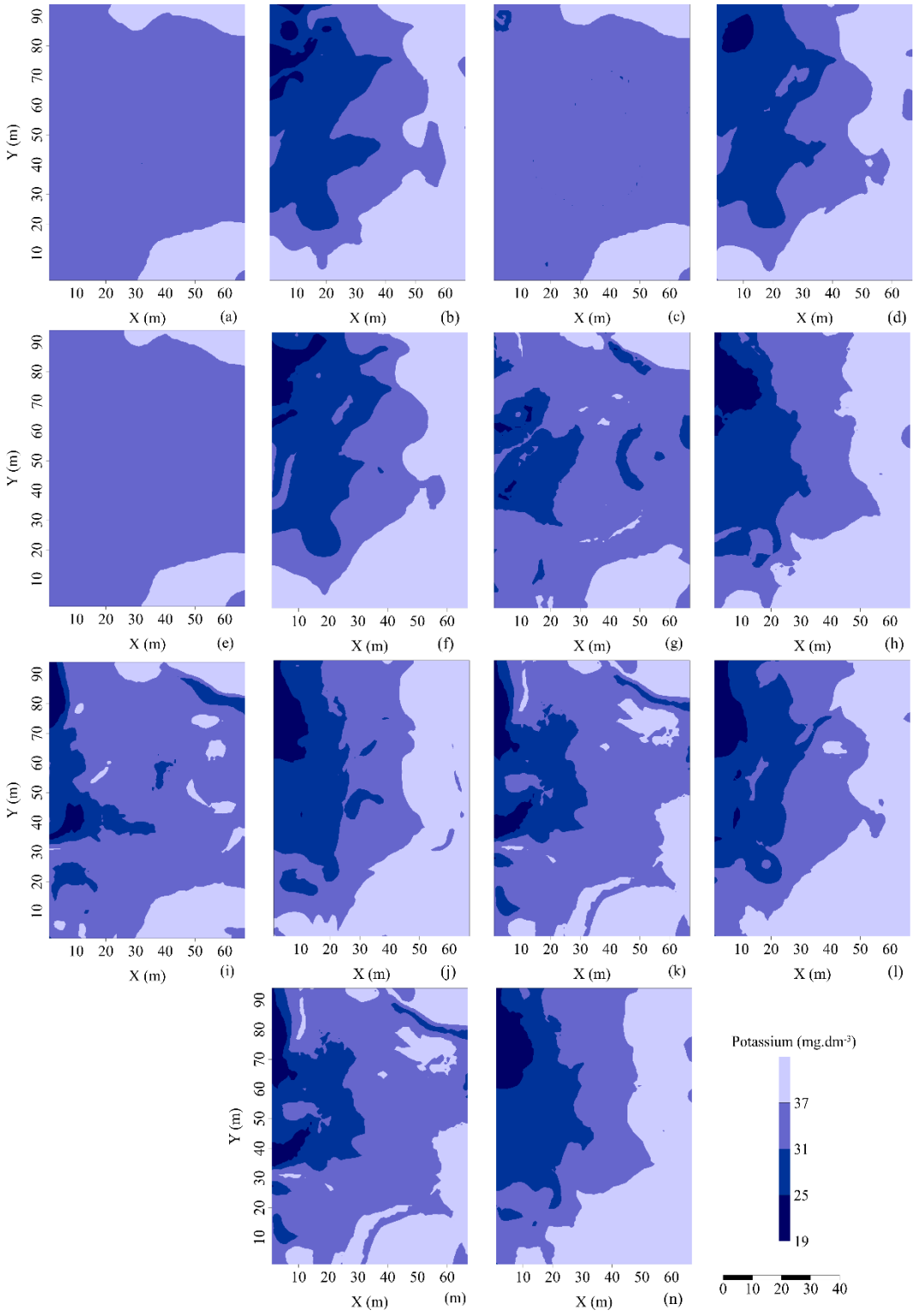

Figure 3. Thematic maps of the potassium available in the soil predicted by neural networks. (a) 0ECa; (b) 0ECaCLAY; (c) 30ECa; (d) 30ECaCLAY; (e) 60ECa; (f) 60ECaCLAY; (g) 0_30ECa; (h) 0_30ECaCLAY; (i) 0_60ECa; (j) 0_60ECaCLAY; (k) 30_60ECa; (l) 30_60ECaCLAY; (m) 0_30_60ECa; (n) 0_30_60ECaCLAY (0ECa: measurement on the same day as the soil sample collection; 30ECa: measurement 30 days before soil sample collection; 60ECa: measurement 60 days before soil sample collection).