

Fig 1 Addis Ababa urban core zone, inner urban zone and peri-urban zone and the trend of urban expansion from 1989 to 2019

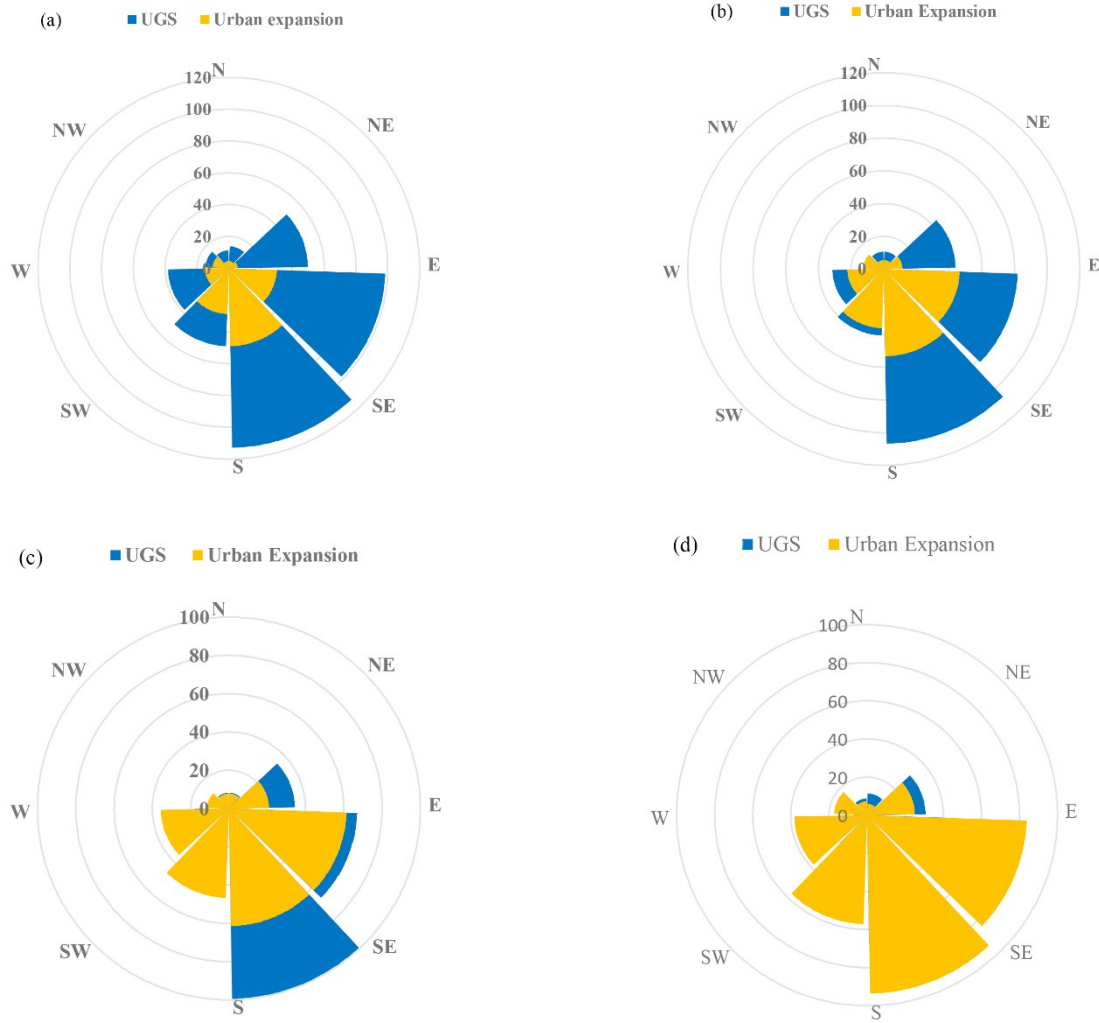


Fig 2 Directional analysis of urban expansion and urban green space dynamics in eight different quadrants from 1989 to 2019: (a) directional growth in 1989, (b) directional growth in 1999, (c) directional growth in 2009, (d) directional growth in 2019.