(a) Northern Hemisphere
USA
Canada
Central America
Europe
Northern Africa
Russia
Korea and Japan
Central Asia
China

(b) Southern Hemisphere
N South America
Brazil
SW South America
Equatorial Africa
Southern Africa
Middle East
South Asia
Southeast Asia
Oceania

(c) f_{ULCC,trans} (PgC yr^{-1})

(d) f_{ULCC,pl} (PgC yr^{-1})

(e) f_{ULCC,bd} (PgC yr^{-1})

(f) pre-industrial vs present-day