It is estimated that between now and 2030, urban areas will expand by more than 463,000 sq. mi. (1.2 million sq. km).

That's equal to 20,000 U.S. football fields being paved over every day for the first few decades of this century.

Today urban areas — ranging from Times Square to a small town in India — cover 3 to 5% of global land.

The urban population in 2014 accounted for 54% of the total global population, up from 34% in 1960, and continues to grow.

In 1800 only 2% of the world's population lived in urban areas.

By 2050 it is predicted that 64.1% and 85.9% of the developing and developed world respectively will be urbanized.
Are these systems in society healthy & vibrant? What are their relationships?

**COMMUNITY**
Living arrangements, life span, education, civic capacity, social capital, human capital, community capital, competition & mutuality, resilience

**GOVERNANCE**
Political capital, political systems, civic participation, regulation & subsidies, exploitation, regulation, corporate personhood, public order, propaganda, terrorism, local, national & international policies

**WEALTH**
Finance & economy, values & life-style, work & reward, Equity & distribution, monetary systems, freedom & regulation

**HABITAT**
Settlements on all scales, animal & plant habitats, infrastructure & utilities, design quality, degradation & restoration, urban ecological footprints, work life relationships

**WATER**
Rainfall & ice melt patterns, the state of aquifers, rivers & lakes, irrigation & industrial demands, purity & distribution, scarcity & contamination

**BIOSPHERE**
The state of organic life, species extinction, wilderness, forms of pollution, exploitation & degradation, conservation & restoration, natural capital

**WORLDVIEW**
Dominant belief systems, tolerance & fundamentalism, values & outlooks, ideologies & utopias, fixed or dynamic attitudes, the place of consciousness

**WELLBEING**
Population health, sense of security, addictive behaviour, degree of happiness, self-responsibility, creative expression

**FOOD**
Agriculture & horticulture, healthy soil, food sovereignty, food quality, nutritional balance, food safety, equitable distribution

**TRADE**
Transportation & distribution of goods, mobility of people, free fair trade, built-in obsolescence, markets & agreements, regional economies, trade support systems

**ENERGY**
Fossil sources, renewable resources, nuclear sources, energy intensity & efficiency, distribution and application, energy security

**CLIMATE**
Weather patterns, greenhouse gas emissions, temperature rise, ice melt, sea level, migration activity
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FAYOUUME - EGYPT
ADULTS IN SCOTLAND EATING RECOMMENDED FRUIT & VEG

A TYPICAL SCOTTISH DIET?
BIODIVERSITY

LAYERING – FOREST GARDEN
COMMUNITY – PLACES FOR PEOPLE
CLOSED LOOP SYSTEMS – PRODUCE NO WASTE
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