Smart Cities

An Introduction with a local Flavour
Rapid Growth In Population

- 7bn people in 2012
- 9bn people by 2040

Source: Jorgen Randers, 2052 Chelsea Green, Vermont - May 2012
Most of this Growth is in Cities

Most people live in cities.
Urban Challenges With a Very Real Local Echo

**Congestion**
Bristol is 3rd most congested city in UK

**Population** - Bristol has fastest growth of under 4 yr old children in UK cities & 50% growth in 85+ over 10yrs

**Pollution** – increase in health problems, 2,000 deaths pa

**Energy:** Bristol has the first local authority large-scale wind turbine

**A Tale of two or more cities:** 9 year difference in life expectancy Between Clifton and Easton (1 mile distance)
How Can we Make our Cities Livable?

A better place to learn
A place to be creative
A place to be healthy and safe
A place to be efficient
Productive
And happy
Liveable, Sustainable & Resilient Cities: SMART CITIES

www.bristolisopen.com
• **Ann Cousins, Senior Consultant, Arup**

Ann will discuss what the concept of smart cities means to her and to Arup. She will talk about the range of skills required to achieve meaningful outcomes for places, and the range of different roles that people might have in delivering this.

• **Joan A. Garcia Espin, Platform Delivery Director, Bristol Is Open**

• **Dr Paul Martin, Chief Technology Officer, Plextek Consulting**

This talk takes as an example a smart street lighting and parking technology from one of Plextek’s spin off companies and discusses how a technology can be developed which matches very different business models from around the world.

• **Rob Piechocki, Senior Lecturer, University of Bristol**

This talk will outline some of the remaining technological, social and legislative barriers that need to be conquered before we see Connected and Autonomous cars on the streets of our cities.