

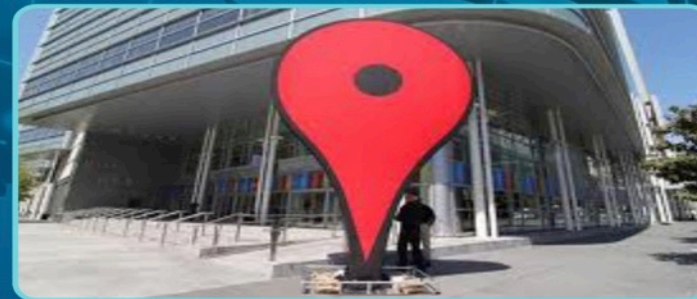
URBIS – SPATIUM – RES PUBLICA – CIVIS - UBIQUITOUS



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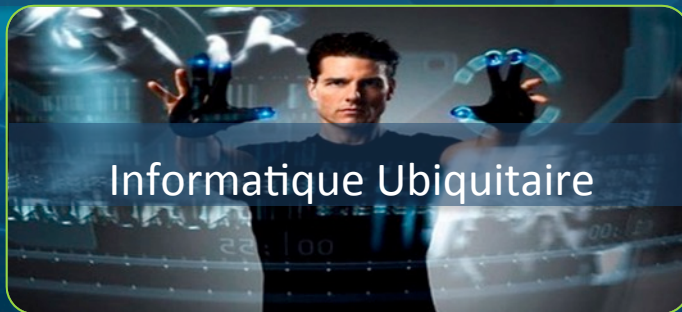
LE NUMÉRIQUE TRAVERSE NOS VIES



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AU XXIÈME SIÈCLE : 4 RÉVOLUTIONS EN PARALLÈLE



COMPLEXITÉ & DIVERSITÉ

VILLE SENSIBLE



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LA FRAGILITÉ DE LA VIE ET DE LA VILLE

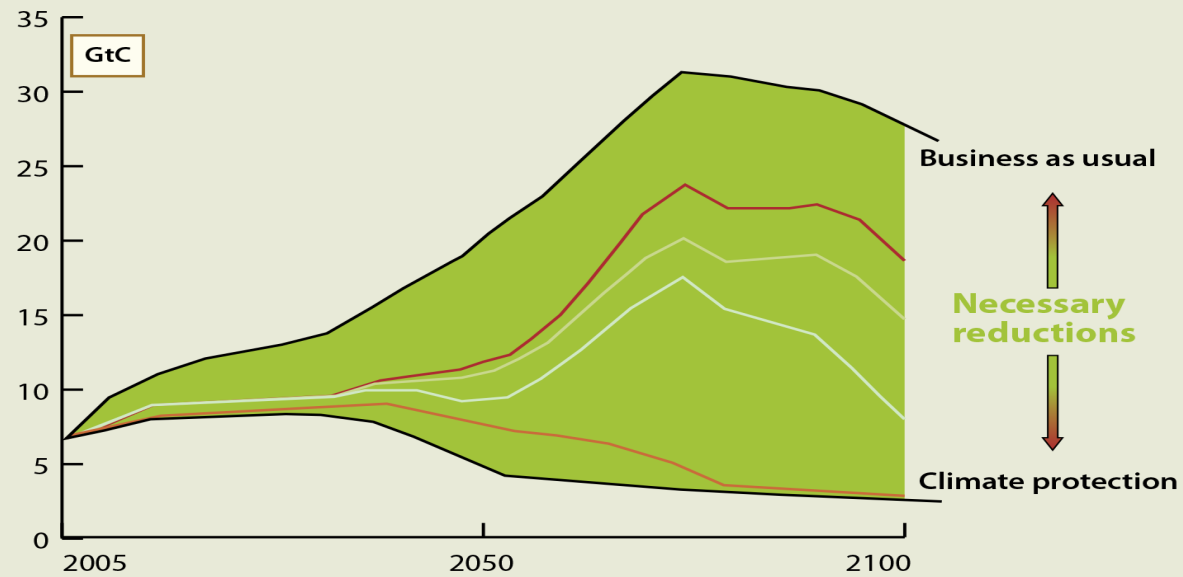


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URGENCE CLIMATIQUE !

The historical mitigation challenge



Source: Edenhofer et. al. 2007



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LINK BETWEEN AIR POLLUTION & HEART DISEASE

➤ In 2004, the American Heart Association issued a scientific statement concluding exposure to air pollution contributes to cardiovascular illness and mortality

➤ Pollution particles smaller than 2.5 microns are tiny enough to enter the body, irritate the lungs and blood vessels around the heart



➤ Over time, these pollutants reportedly aggravate or increase the process of disease in the arteries

➤ Short-term exposure can increase the risk of heart attack, stroke, arrhythmias and heart failure in susceptible people, such as the elderly or those with pre-existing medical conditions



"Lunch was delicious. Pollution was disgusting. Notice how dark it was. This photo was taken at noon." Hangzhou 2006 (From a private blog)

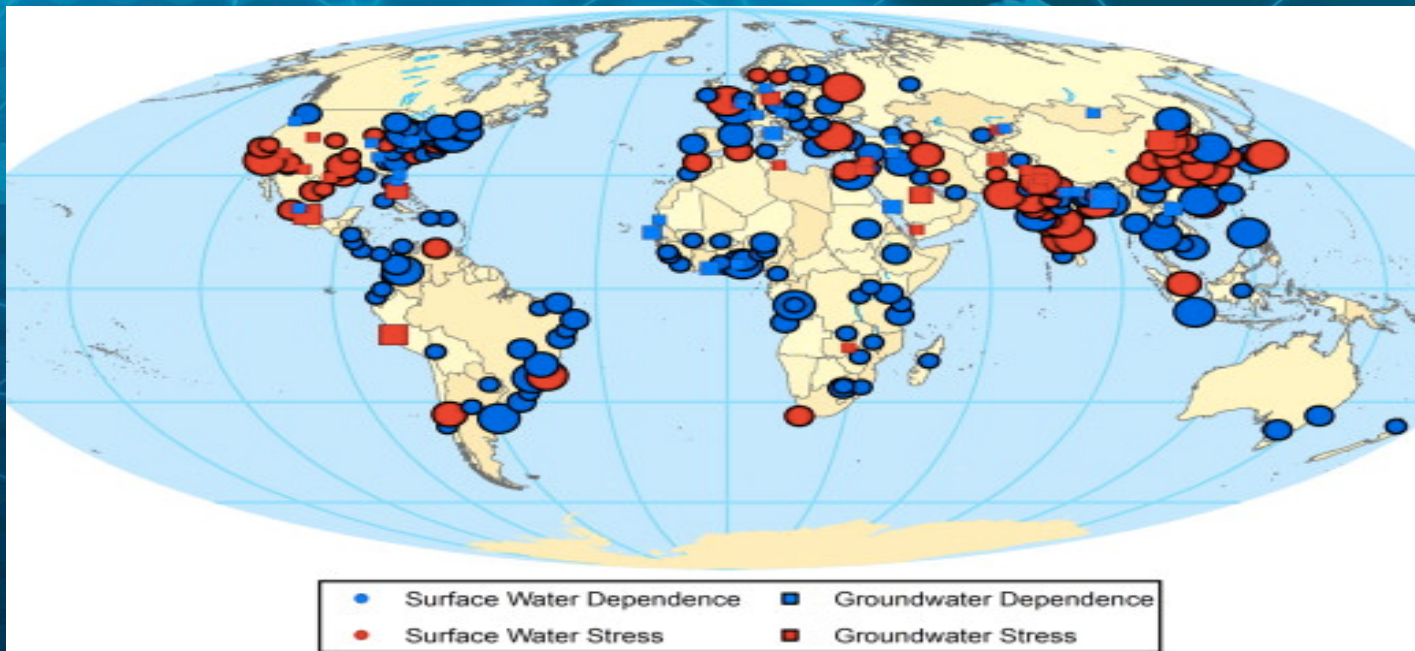


EL AUSTRAL
EL DIARIO DE LA ARAUCANÍA

Temuco es la ciudad con peor contaminación del aire en América Latina

Demand for action over motorway air pollution

POLLUTED communities next to the M1 in Sheffield have made a renewed call for action to tackle emission levels. The East End Quality of Life Initiative, which represents areas around Tinsley and Darnall, has spoken out after new research showed a link between exposure to air pollution and heart attacks. Neighbourhoods close to the motorway experience spikes in pollution during rush hours. A report by the Journal of the American Medical Association looked at 34 studies comparing the risk of a heart attack at various levels of inhaling industrial and traffic-related air pollutants including carbon monoxide, nitrogen dioxide and small soot-like particles. It said: "For most of the pollutants, an increase in concentration of 10 micrograms per cubic metre of air – the typical standard used to assess harm, and barely noticeable to a person breathing the air – was associated with a 1-3 per cent increase in the chance of having a heart attack in the next week." Neil Parry, of the quality of life initiative, said: "This is more evidence of the need to cut pollution in and around Tinsley and the rest of the city. The most vulnerable in our communities are worst affected."



STRESS HYDRIQUE (RAPPORT ENTRE LES BESOINS EN EAU ET LES RESSOURCES DISPONIBLES), MOYENNE ANNUELLE (1981-2010), EN %

■ 0 - 0,1 Pas de stress	■ 0,1 - 0,2 Bas	■ 0,2 - 0,4 Moyen	■ supérieur à 0,4 Elevé	■ Pas de données
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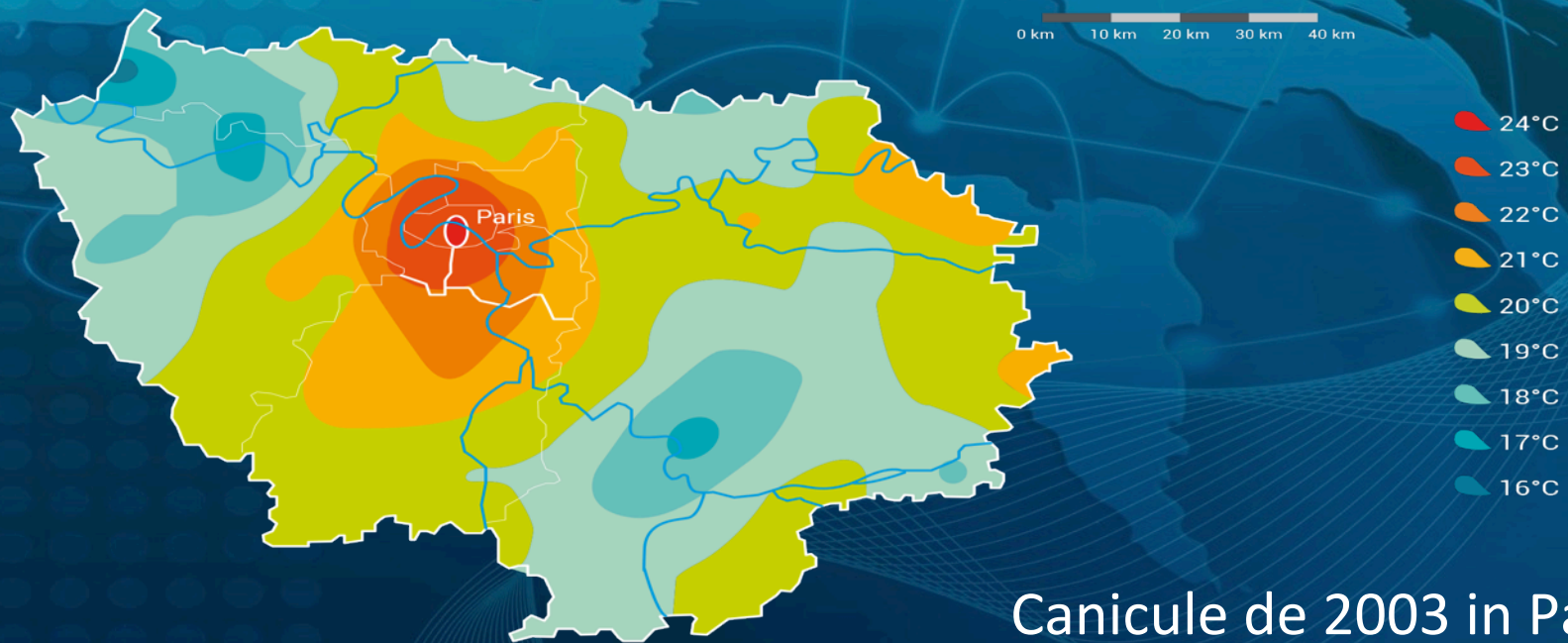


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VULNÉRABILITÉ DE CENTRES VILLES

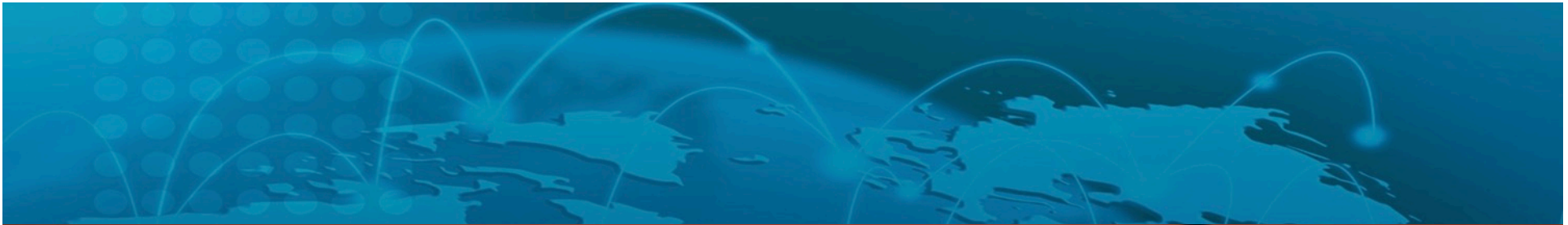




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