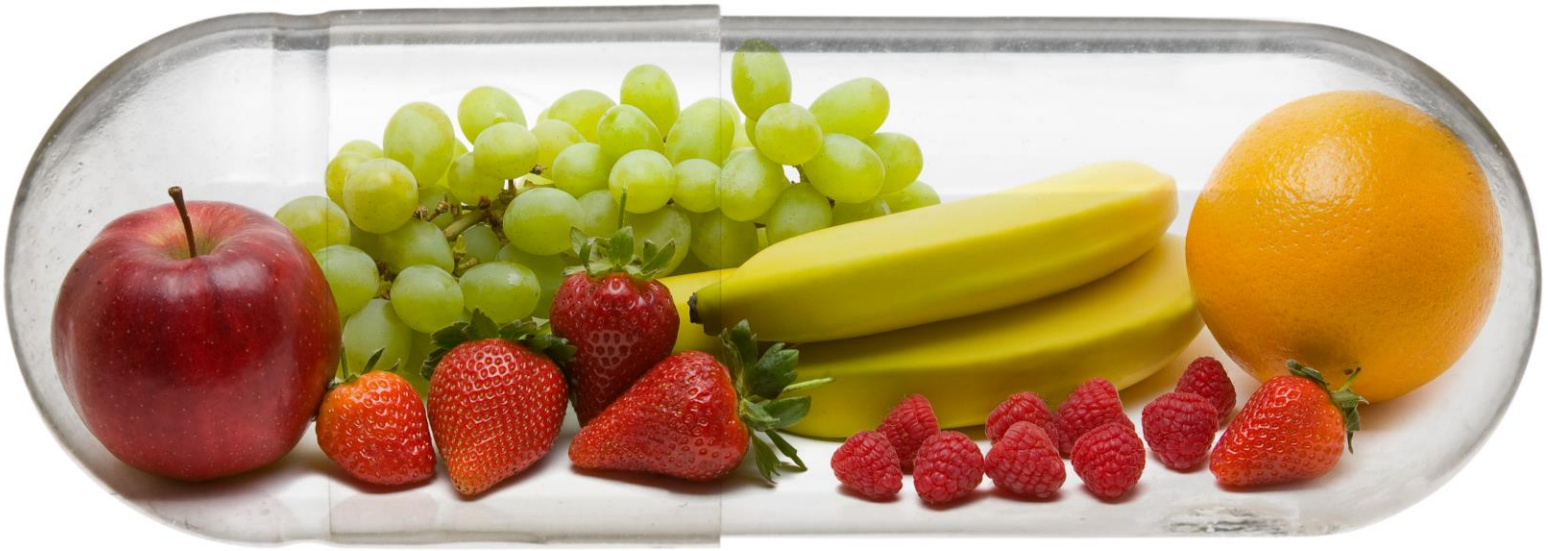
FUTURES OF FOOD

INFINITE FUTURES

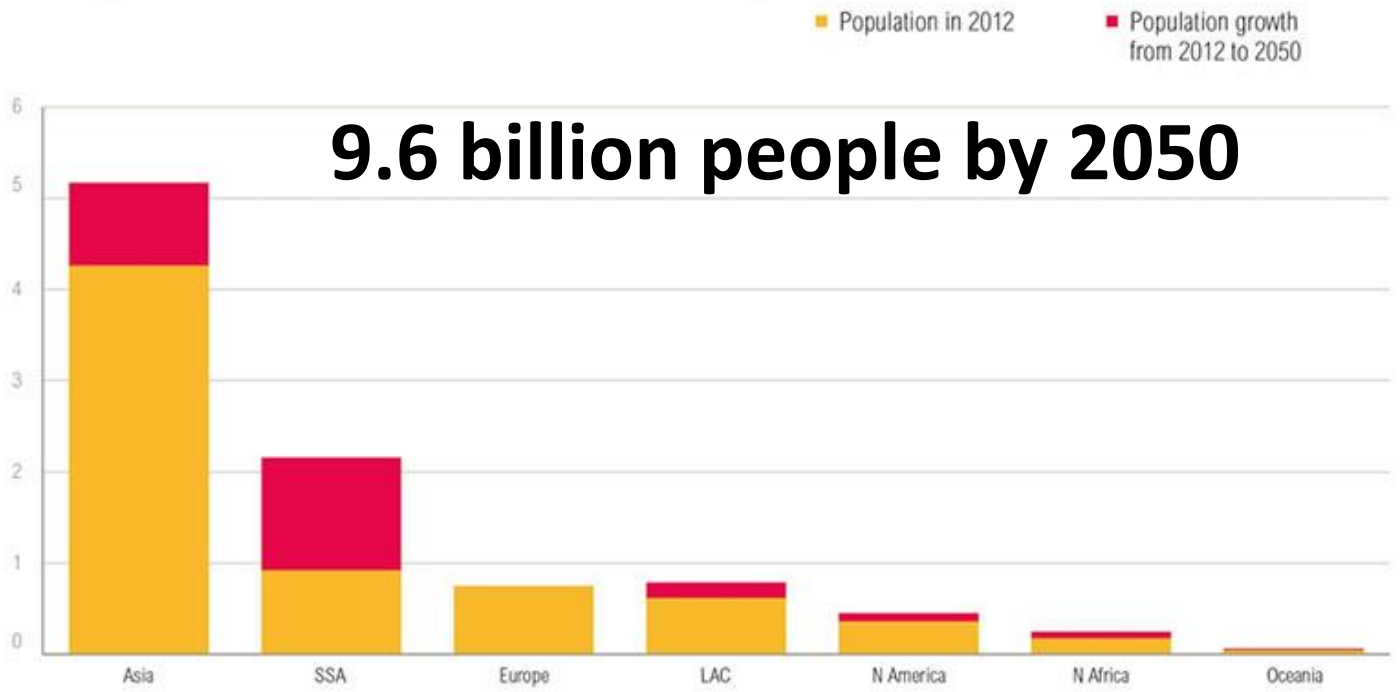
FORESIGHT RESEARCH AND TRAINING



WHAT WE IMAGINE


WHAT WE REALLY WANT

Projected Population Growth (in billions)



9.6 billion people by 2050

Note: "SSA" = Sub-Saharan Africa, including Sudan. "LAC" = Latin America and Caribbean. "N America" = North America. "N Africa" = Rest of Africa.

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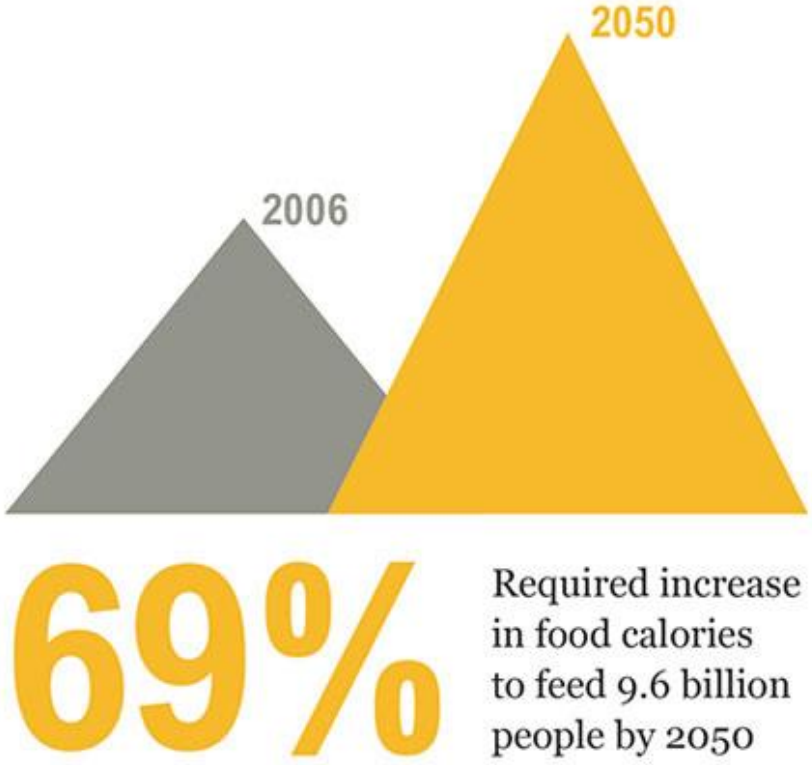
Sources: http://ow.ly/rpfMN

WHAT'S FORECAST



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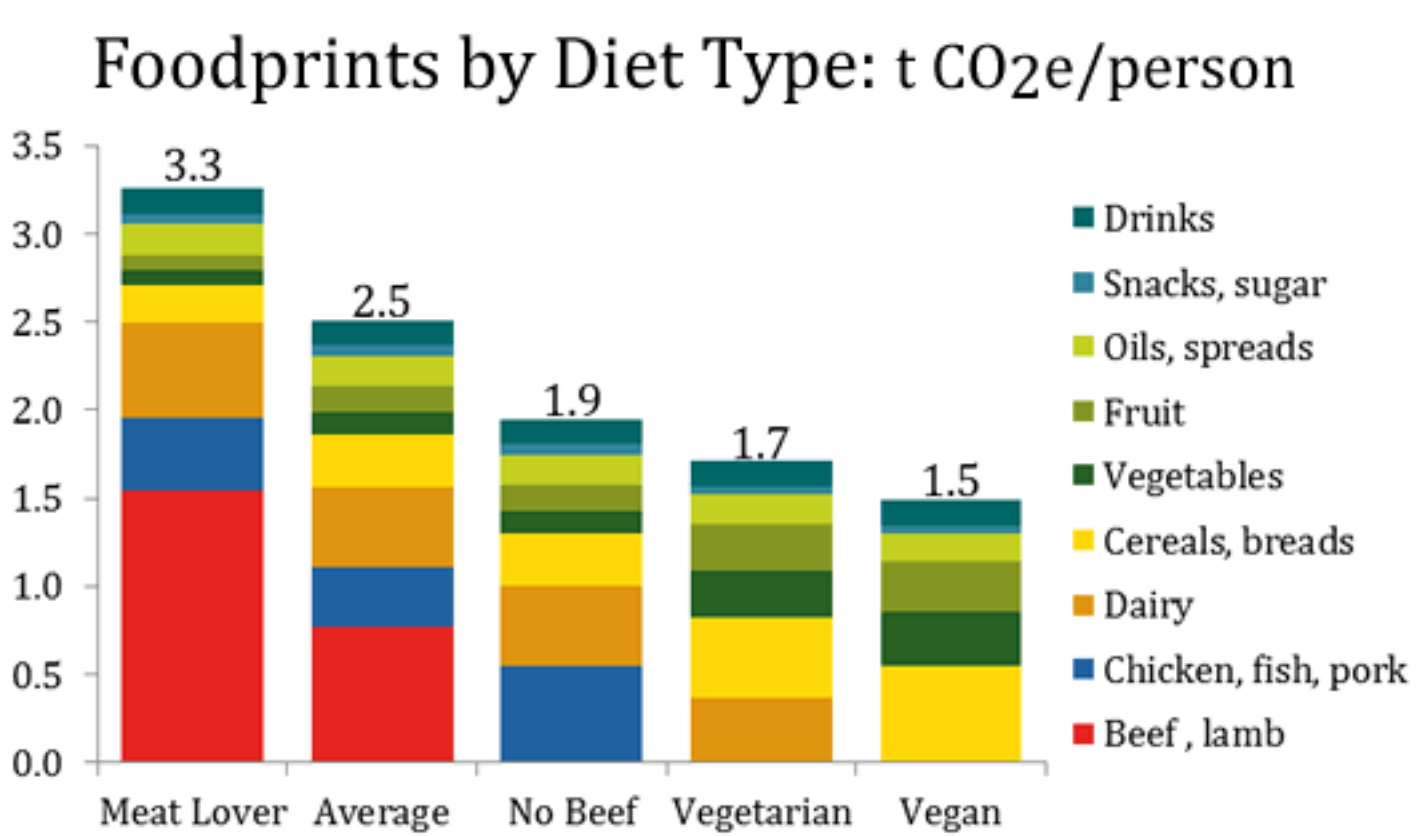
Sources: http://ow.ly/rpfMN

WHAT'S FORECAST



Note: All estimates based on average food production emissions for the US. Footprints include emissions from supply chain losses, consumer waste and consumption.. Each of the four example diets is based on 2,600 kcal of food consumed per day, which in the US equates to around 3,900 kcal of supplied food.

Sources: ERS/USDA, various LCA and EIO-LCA data

Shrink That Footprint

CHALLENGES

INFINITE FUTURES
FORESIGHT RESEARCH
AND TRAINING

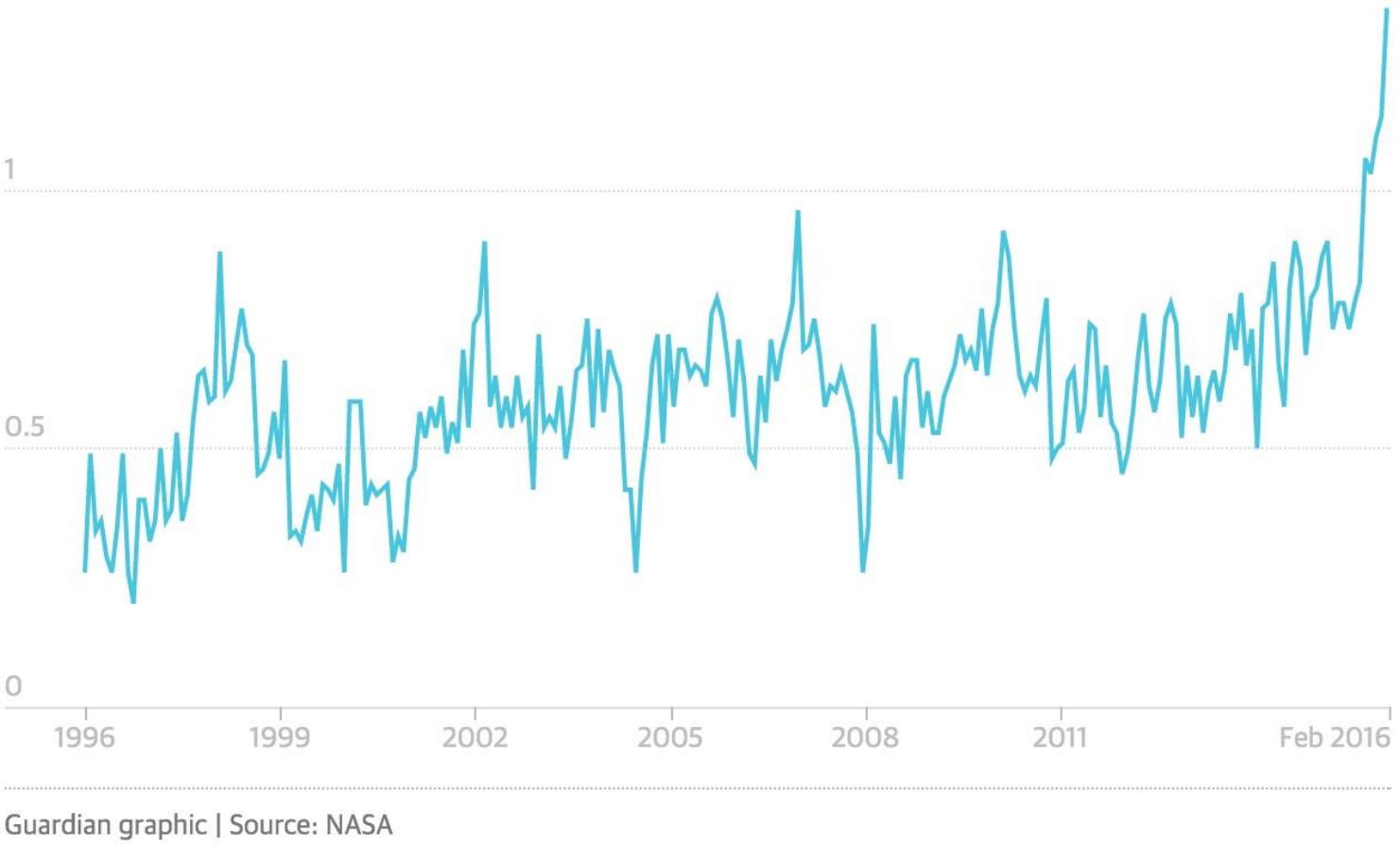
URBANIZATION



SOIL, WATER, OCEANS:
CONTAMINATED, STRESSED
ERODED
CORAL DESTRUCTION

INFINITE FUTURES
FORESIGHT RESEARCH
AND TRAINING

GLOBAL CLIMATE CHANGE



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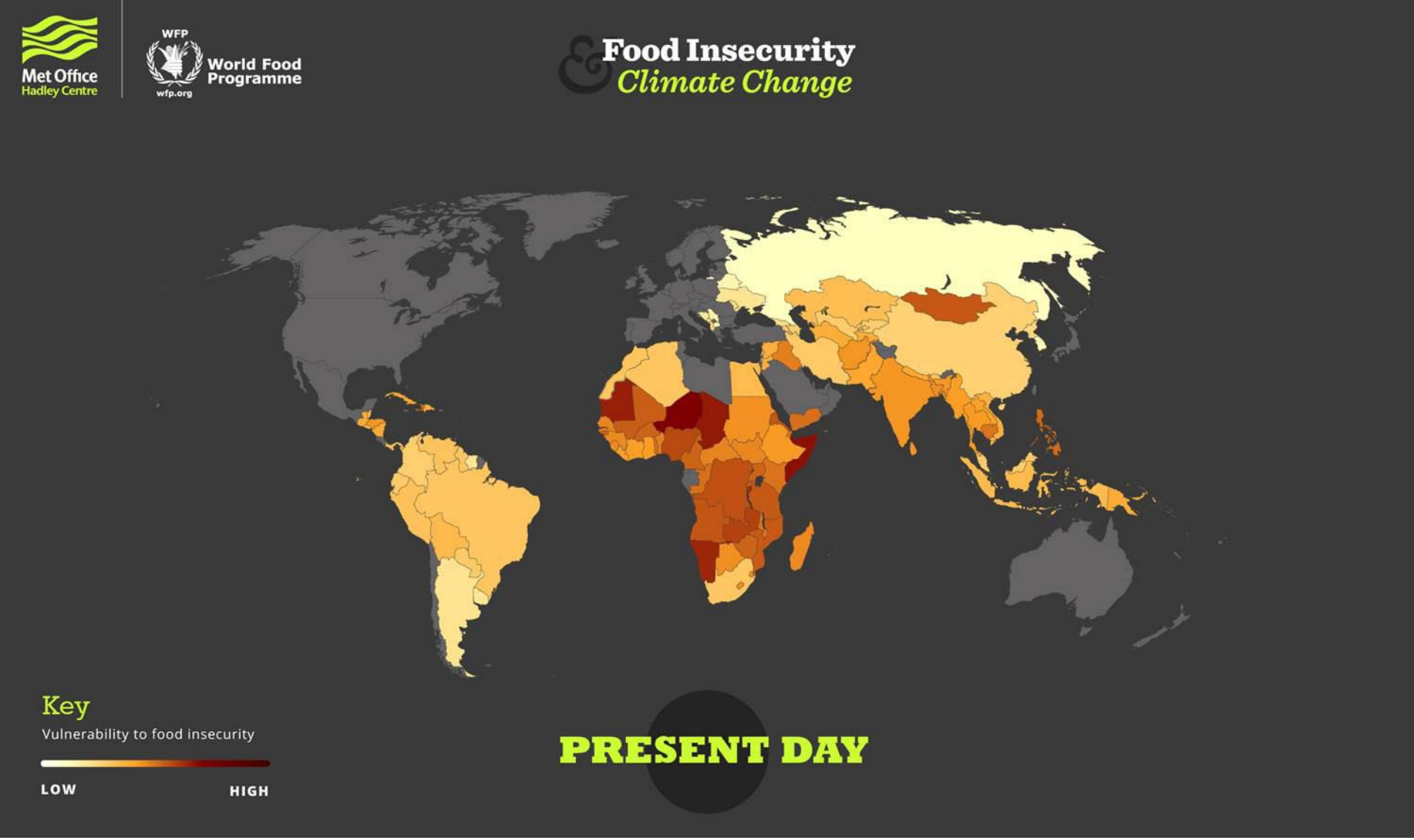
& Food Insecurity *Climate Change*



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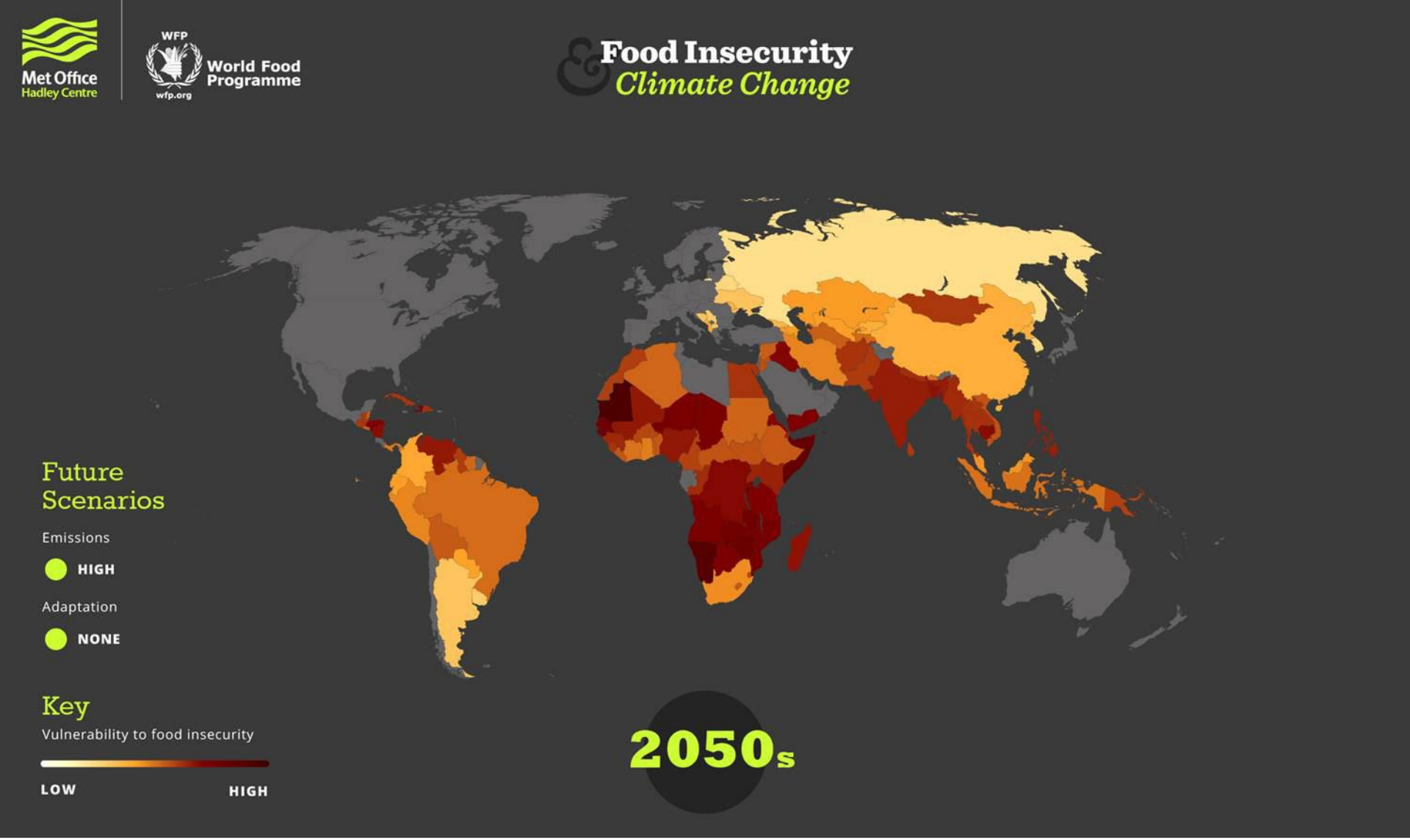

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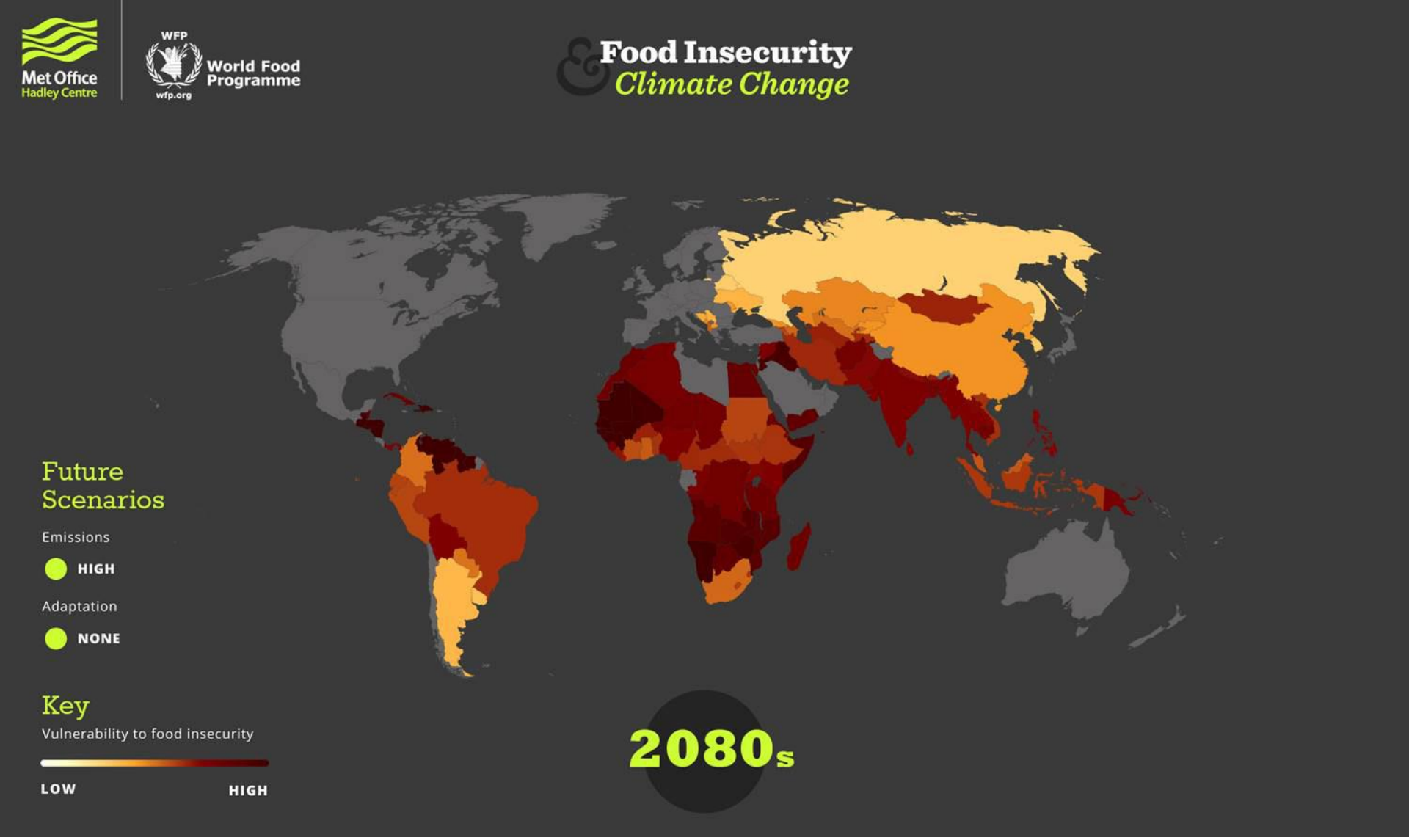

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STRESSES TO FOOD SECURITY =

A "dangerous geopolitics of food scarcity" is emerging in which individual countries, acting in their narrowly defined self-interest, reinforce the trends causing global food security to deteriorate. Wheat-exporting countries like Russia and Argentina, for example, attempted to counter domestic food price rises by limiting or banning exports in 2007. **Lester Brown, Worldwatch Institute**

China Post *reports that China's government has bought soybeans, rapeseed, corn, wheat and rice from farmers, to be stored in silos across the country for emergency use and to prevent excessive price fluctuations.*

FOOD PROTECTIONISM

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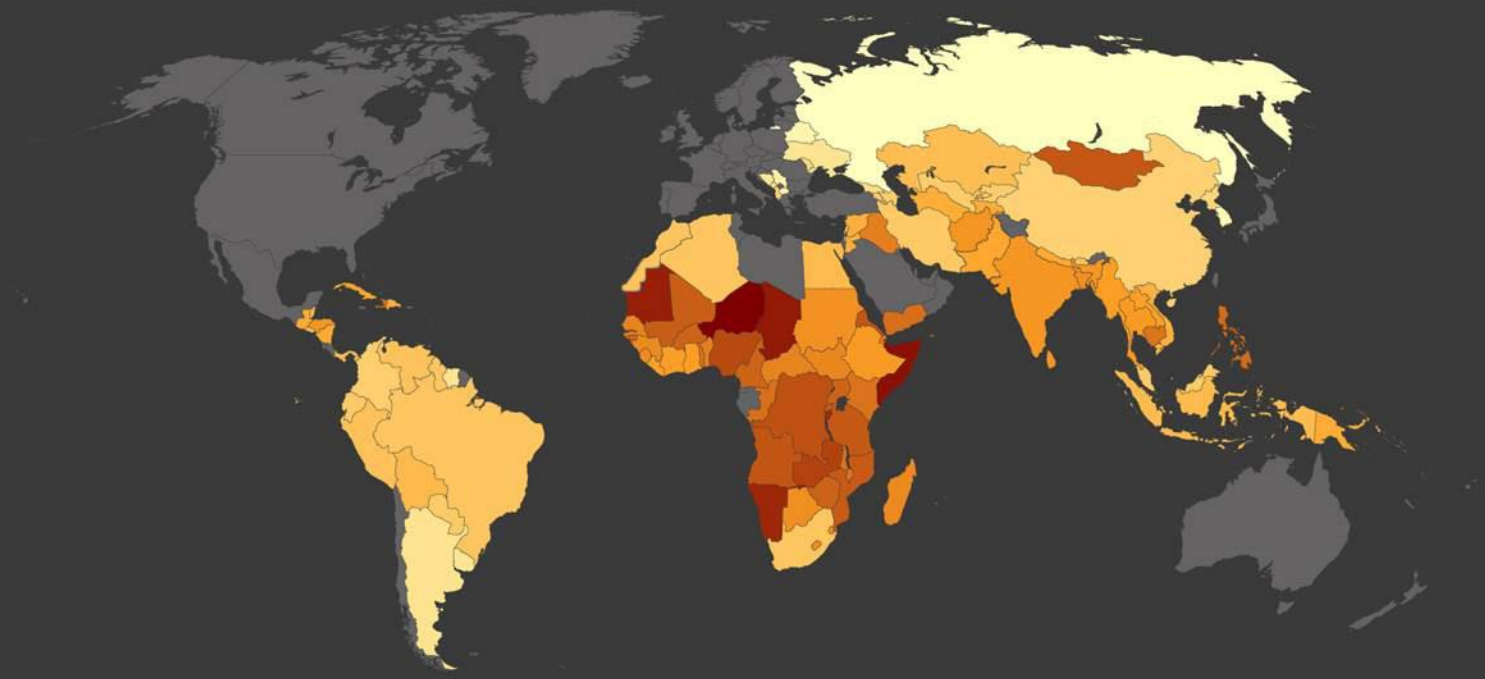

Key

Vulnerability to food insecurity

LOW — HIGH

PRESENT DAY

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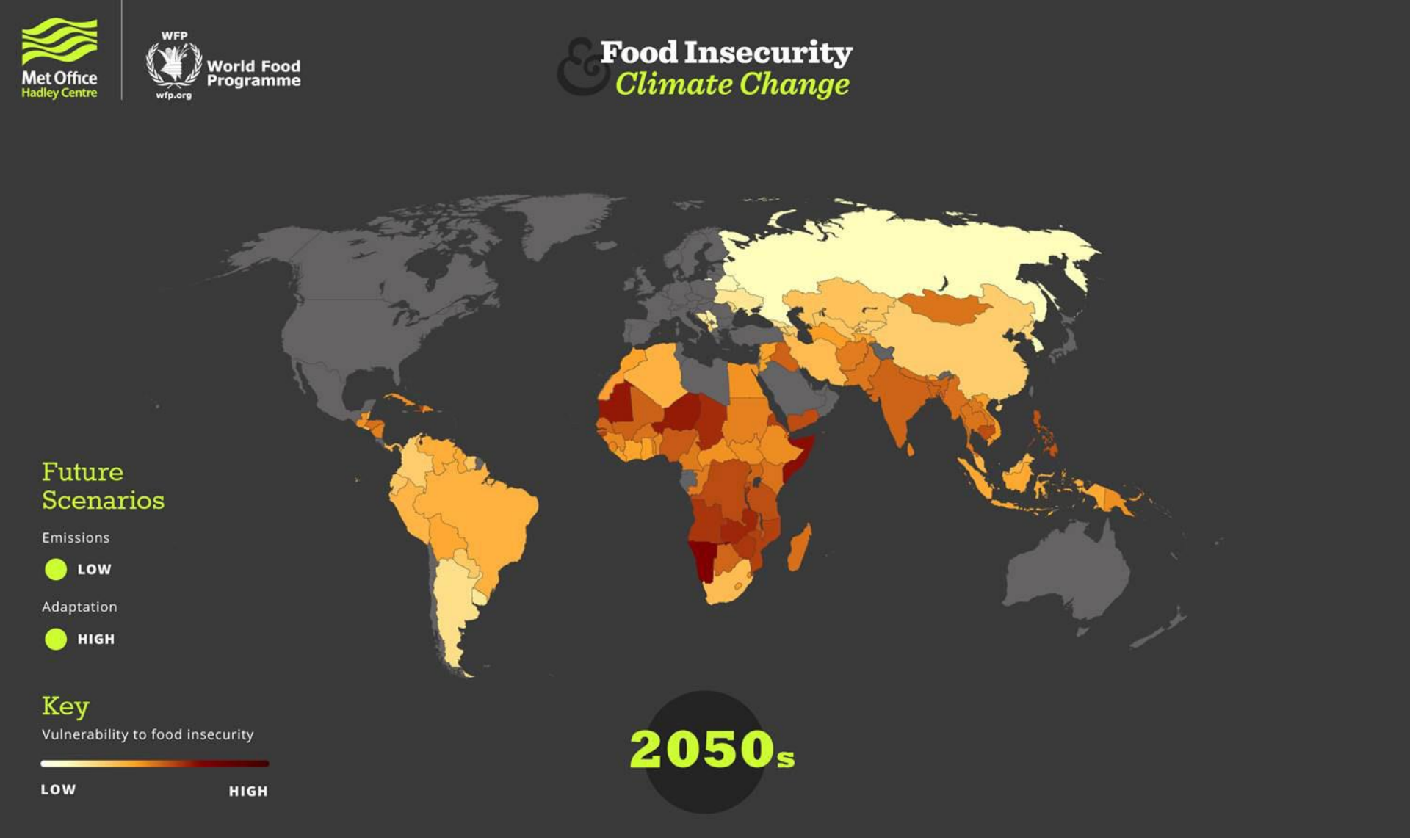

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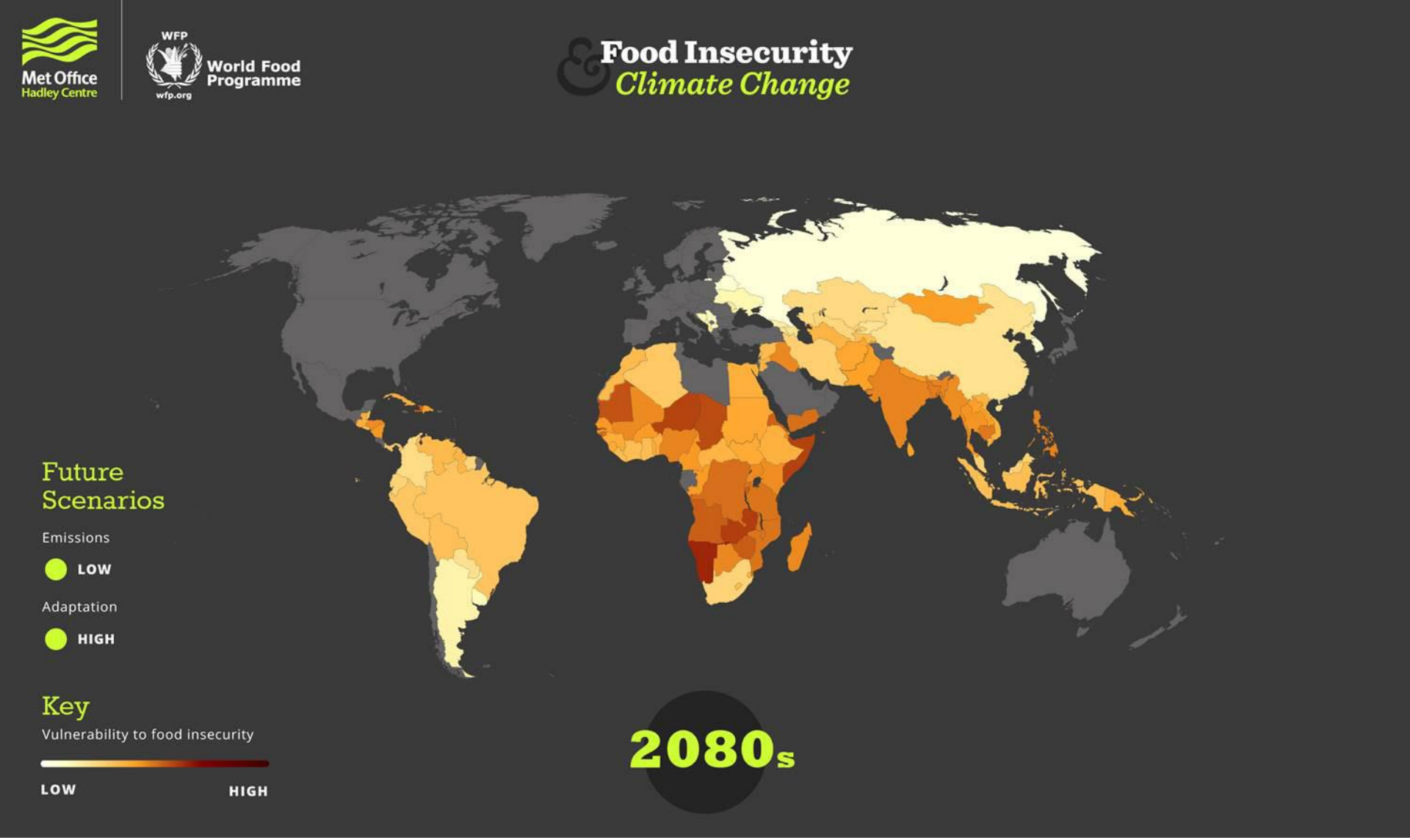

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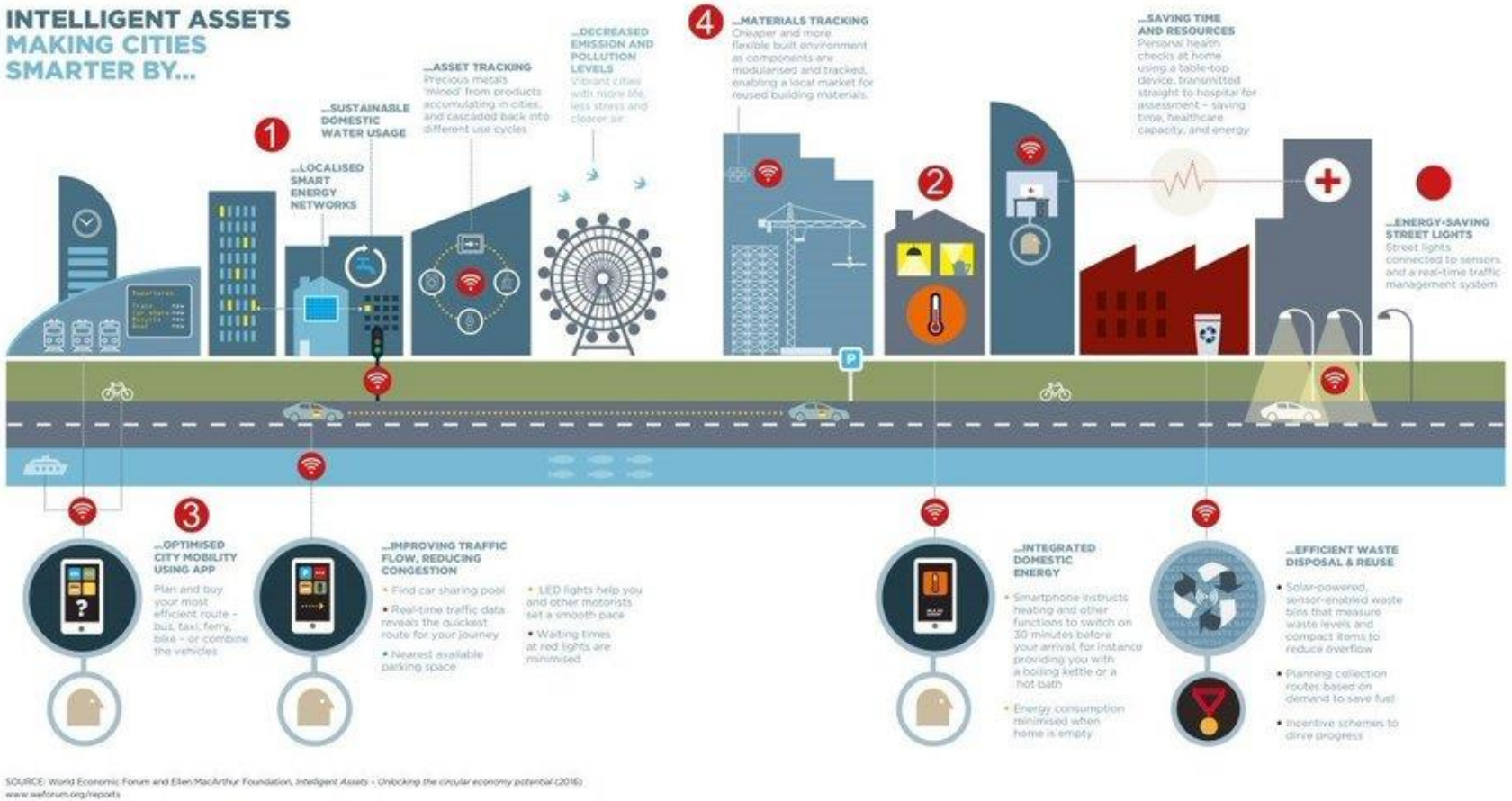
HIGH-TECH FOOD FUTURES



SMART CITIES

SMART COUNTRYSIDE

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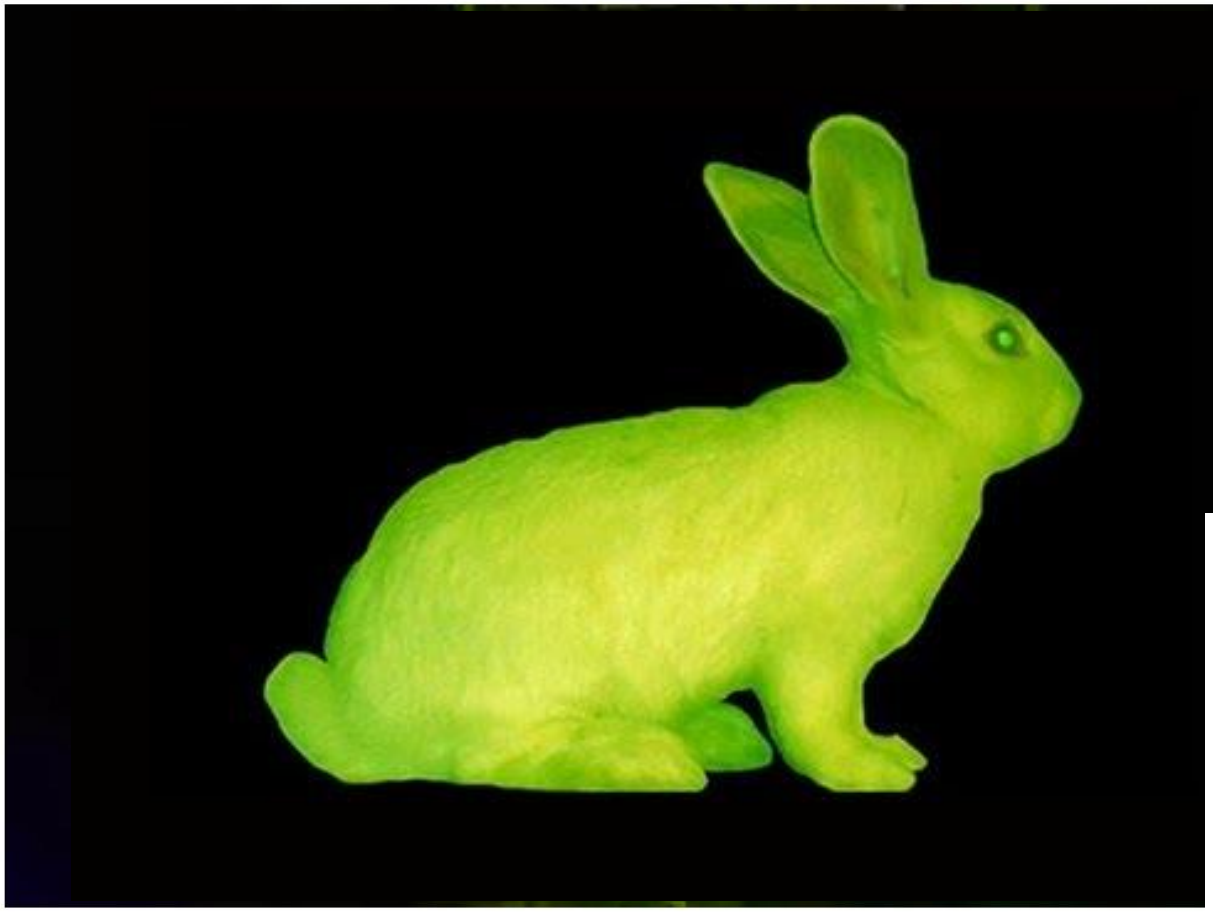
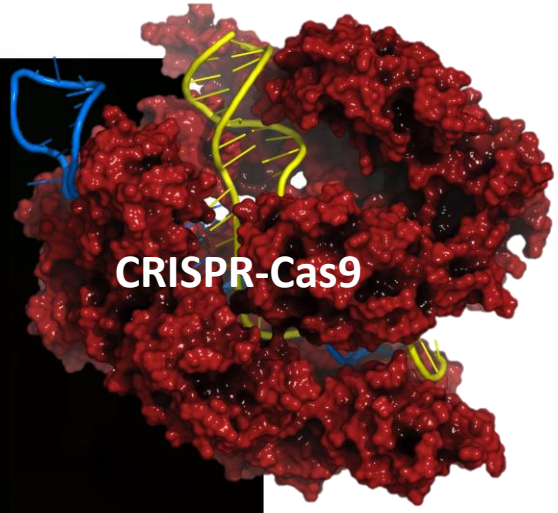
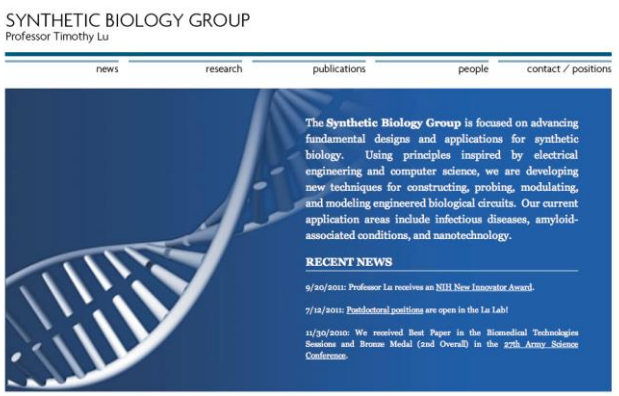
Scientists breed glow-in-the-dark rabbits

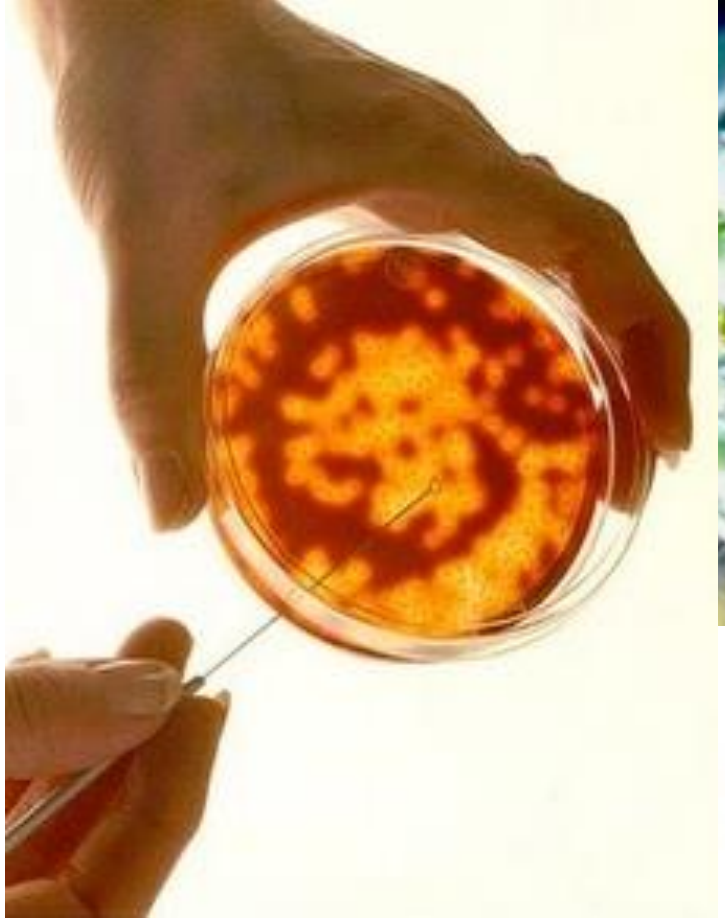
Researchers from the universities of Istanbul and Hawaii hope the technique can lead to new ways to produce medicines







The glowing effect was created by injecting jellyfish DNA into the mother rabbit's embryos and reinserting these into the mother's womb. Photograph: University of Hawaii



IN VITRO MEAT & SYNTHETIC SEEDS

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CITIES GROW FOOD

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FORESIGHT RESEARCH AND TRAINING

HI-TOUCH FOOD* FUTURES

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RECLAIMING ROOFTOPS

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FORESIGHT RESEARCH
AND TRAINING

RECLAIMING SUBURBS

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FARMS AS BIO-FACTORIES

RURAL = AGRICULTURAL

SUBURBAN = MIDDLE CLASS SPRAWL

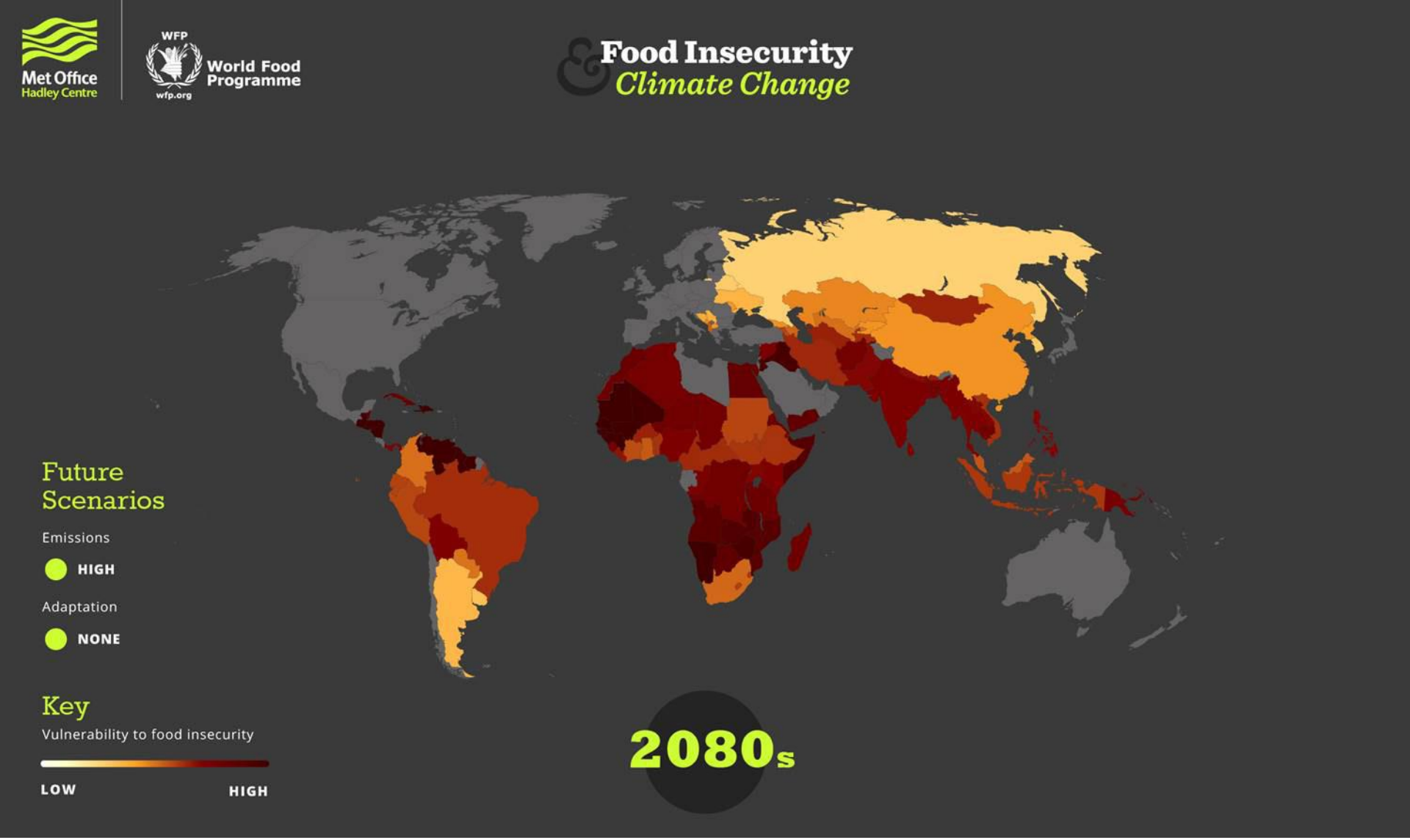
URBAN = BUSINESS + INDUSTRIAL

RURAL = BIO-MANUFACTURING

SUBURBAN = PERSONAL AGRICULTURE

URBAN = GROWN INFRASTRUCTURE

BLURRED BOUNDARIES



OR, WE DO NOTHING

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… BUT WE ARE ALL MORE CREATIVE THAN THAT

…may you see the future you desire.

*The Future(s) of Fo*od

NATIONAL LIBRARY, RABAT, MOROCCO

Wednesday, 13 July 2016

Dr. Wendy L Schultz

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