Growing populations, falling energy sources and food shortages will create the 'perfect storm' by 2030, according to the UK government chief scientist. He said food reserves are at a 50-year low but the world requires 50% more energy, food and water by 2030 [REF]. The world will have to produce 70% more food by 2050 to feed a projected extra 2.3 billion people, the United Nations' Food and Agriculture Organisation (FAO) warned [REF