

WARMING OF THE CLIMATE SYSTEM IS UNequivocal, AS IS NOW EVIDENT FROM OBSERVATIONS OF INCREASES IN GLOBAL AVERAGE AIR AND OCEAN TEMPERATURES, WIDESPREAD MELTING OF SNOW AND ICE AND RISING GLOBAL AVERAGE SEA LEVEL. MOST OF THE OBSERVED INCREASE IN GLOBAL AVERAGE TEMPERATURES SINCE THE MID-20TH CENTURY IS **VERY LIKELY** DUE TO THE OBSERVED INCREASE IN ANTHROPOGENIC GHG CONCENTRATIONS.

ANTHROPOGENIC WARMING COULD LEAD TO SOME IMPACTS THAT ARE ABRUPT OR **IRREVERSIBLE**, DEPENDING UPON THE RATE AND MAGNITUDE OF THE CLIMATE CHANGE. THERE IS HIGH AGREEMENT AND MUCH EVIDENCE OF **SUBSTANTIAL** ECONOMIC POTENTIAL FOR THE MITIGATION OF GLOBAL GHG EMISSIONS OVER THE COMING DECADES THAT COULD OFFSET THE PROJECTED GROWTH OF GLOBAL EMISSIONS OR REDUCE EMISSIONS BELOW CURRENT LEVELS. MITIGATION EFFORTS AND **INVESTMENTS**

OVER THE NEXT TWO TO THREE DECADES WILL HAVE A LARGE IMPACT ON OPPORTUNITIES TO ACHIEVE LOWER STABILISATION LEVELS.

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地球温暖化には、もはや疑う余地がない／多くの自然環境が既に温暖化の影響を受けている
生態系には既に異変が生じ始めている／異常気象の頻発などにより人間社会へも影響が現れている
温室効果のメカニズム／20世紀半ば以降の地球温暖化は人間活動が原因
100年後、地球の平均気温は1.8~4.0°C上昇／わずかな気温上昇でも温暖化の悪影響が生じる
温暖化がもたらす深刻な将来影響【水／生態系／食料／健康／沿岸域、小島嶼等】
森林減少と温暖化／世界と日本の排出量の推移／将来の排出削減の可能性／安定化濃度と気温上昇
温暖化防止の鍵を握る京都議定書／長期的な温暖化対策の必要性／わが国の温暖化対策
低炭素社会に向けた様々な取組／温暖化影響への適応の重要性／温暖化への疑問にお答えします！