







## **LWEC Goal**

Whole-system assessments and risk-based predictions of <u>environmental change</u> and its effects



**Predictions** – by making assumptions about underlying factors, e.g. population growth, greenhouse gas emissions.

These are *what if* predictions - *scenarios* or *projections* or *foresight* 

Living With Environmental Change

















Environment and Health	
Disease / disease organism	Environmental / Medical / Social factors
Bluetongue (Virus)	<ul> <li>Temperature scenarios</li> <li>Vector distribution and ecology</li> <li>Impacts of loss on farmers and farming (mental health; economic)</li> <li>Policy and practice on vaccination</li> </ul>
Lyme disease (Bacterial)	<ul> <li>Ecology of ticks</li> <li>Behaviour of mammal hosts, e.g. deer</li> <li>Distribution of susceptible people and amenity land</li> <li>Educating vulnerable people</li> <li>Detection and early treatment</li> </ul>
	Environmental Change











