

**But the (monsoon) climate and socio-economic scenarios
have many uncertainties...**

**So is adaptation to climate variability and change,
as a part of sustainable development, therefore
impossible?**

**Not if we understand the wider contexts in which
adaptation and sustainable development take place
...and if we explicitly incorporate the uncertainties in the
type adaptation measures....**

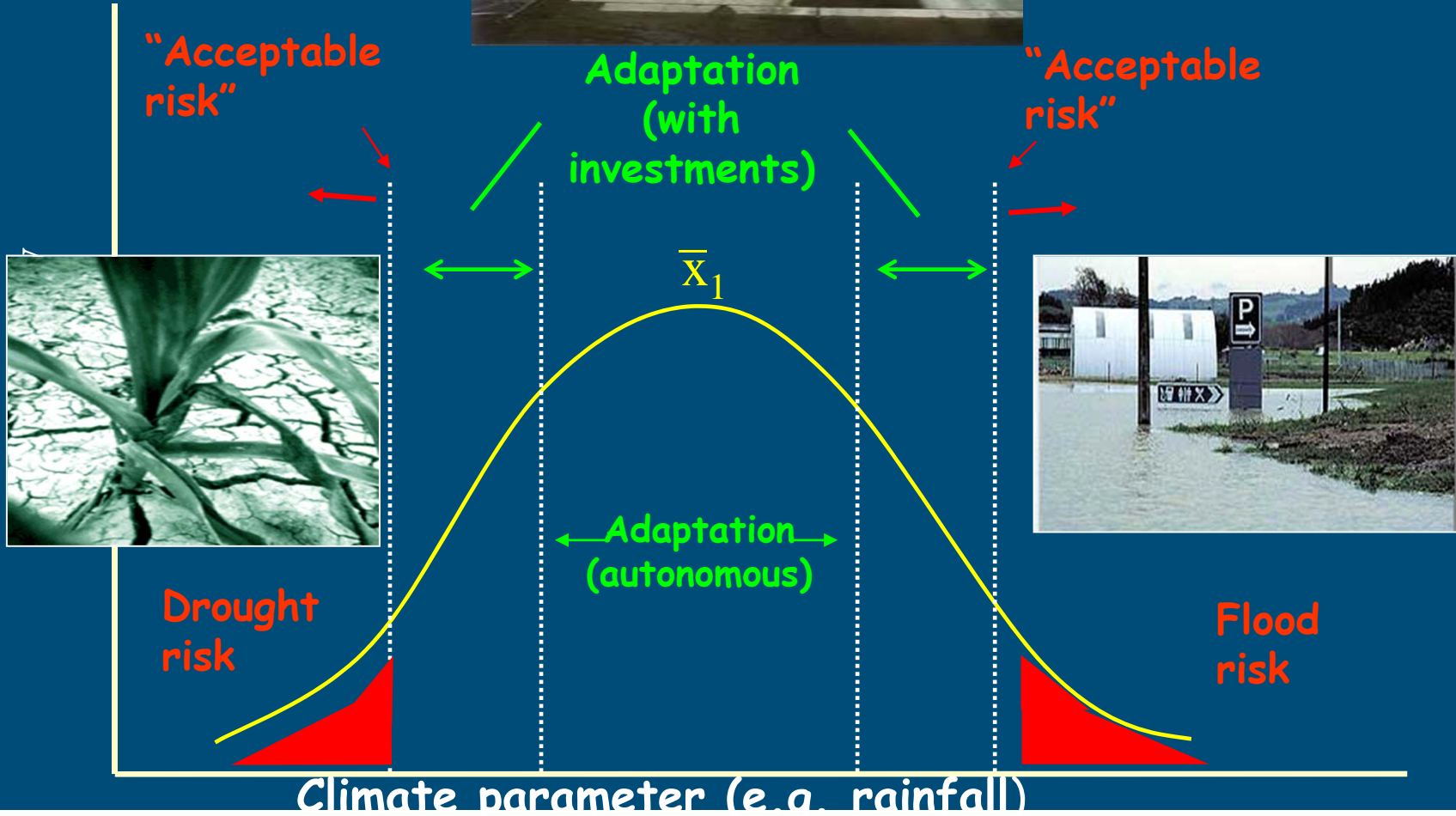
**... spatial planning, technical regulation, economic
priorities, adaptive management, risk management,
cultural preferences, risk psychology**

Implications for sustainable development

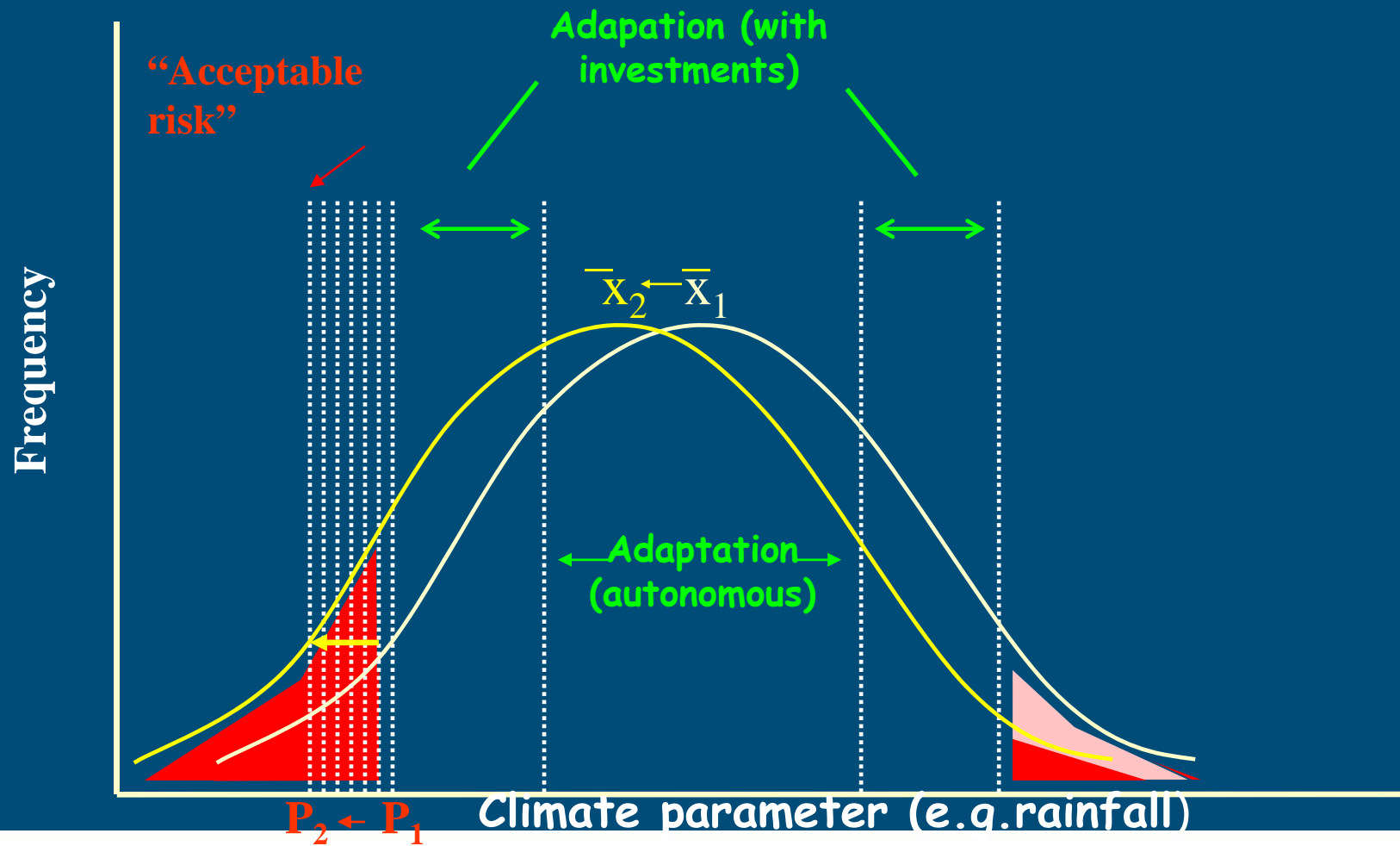
....future scenario selection must go hand in hand with the target application, and it should be accompanied by broader vulnerability, risk and cost-benefit analysis...

....selected infrastructural measure should be robust and flexible to reflect scenario and uncertainty ranges....

... Sustainable development strategies can therefore be developed in the face of remaining uncertainties...



Climate Change



New Regional Challenges

New Planetary Questions

Major Planetary Issues

Energy and Carbon

- **Water Scarcity**
 - **Food Availability**
 - **Air Quality**
 - **Human Health**
 - **Urbanization and Population Migration**
 - **Poverty and Education**
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- The need to understand interactions and feedbacks in the entire Earth System
 - **The need to develop integrated regional studies to assess the two-way coupling between the biophysical and social systems**