

C2ES/CICS-NC:
Executive Forum on Business and Climate
Session 6 – Examples of Best
Practices

John Firth, CEO/Co-Founder
Acclimatise



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building climate resilience

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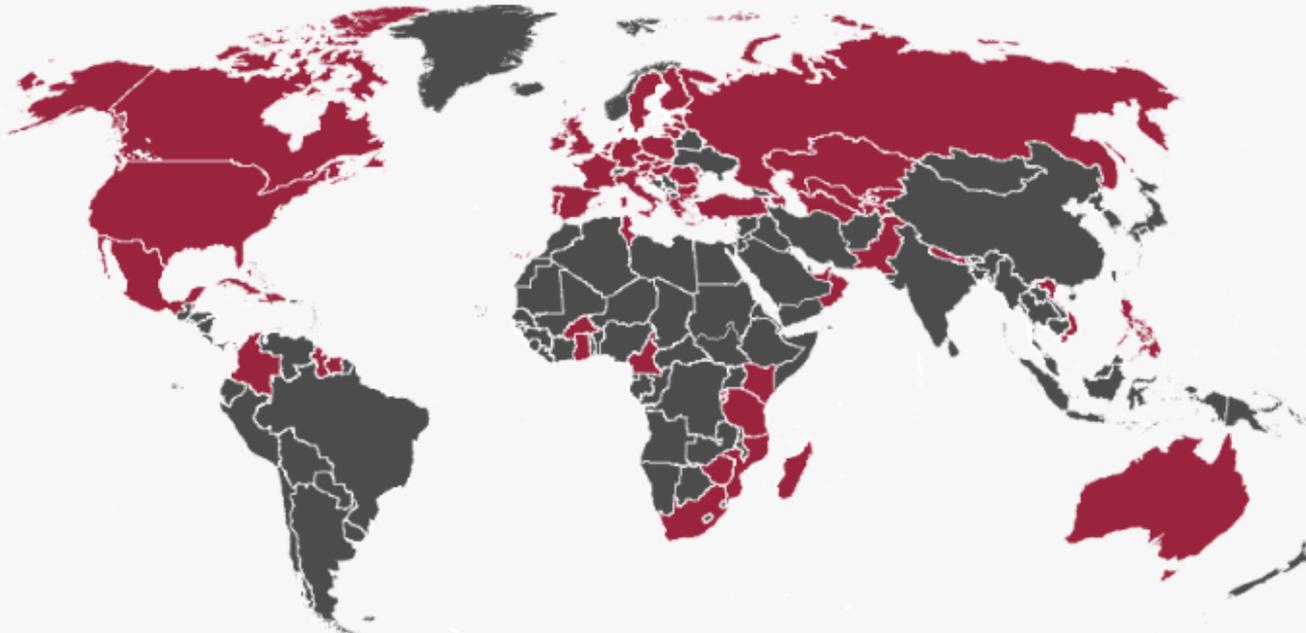


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Our Work

Click on the categories to the right of the map to view a small sample of Acclimatise's project experience:



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Acclimatise / Consulting

Acclimatise focuses exclusively on climate change adaptation. Through our consulting services, we advise private and public sector clients on how to make their policies, projects, portfolios and assets resilient to a changing climate. Acclimatise has helped to formulate adaptation strategies for some of the world's leading institutions and largest companies, and ensure they make the very best decisions, even in the face of uncertainty.

Acclimatise understands the implications a changing climate poses for the physical environment, communities, infrastructure and the regulatory and legal setting. For our clients, we interpret this knowledge within the context of their own strategies, processes, performance indicators, capabilities and stakeholders. We understand the issues that matter to you and can offer unique benefits to 'climate-proof' your organisation and operations. This will provide you with the ability to demonstrate to investors, shareholders and other interested parties that your organisation is taking action to make your operations resilient today, and in the future.

- **Making assets climate resilient**
- **Strengthening supply chains**
- **Enhancing returns on investment and identifying business opportunities**
- **Helping mainstream adaptation into governance structures**
- **Enabling governments and local administrators to adapt appropriately and efficiently**
- **Guiding climate compatible development**
- **Supporting global forestry and REDD+**





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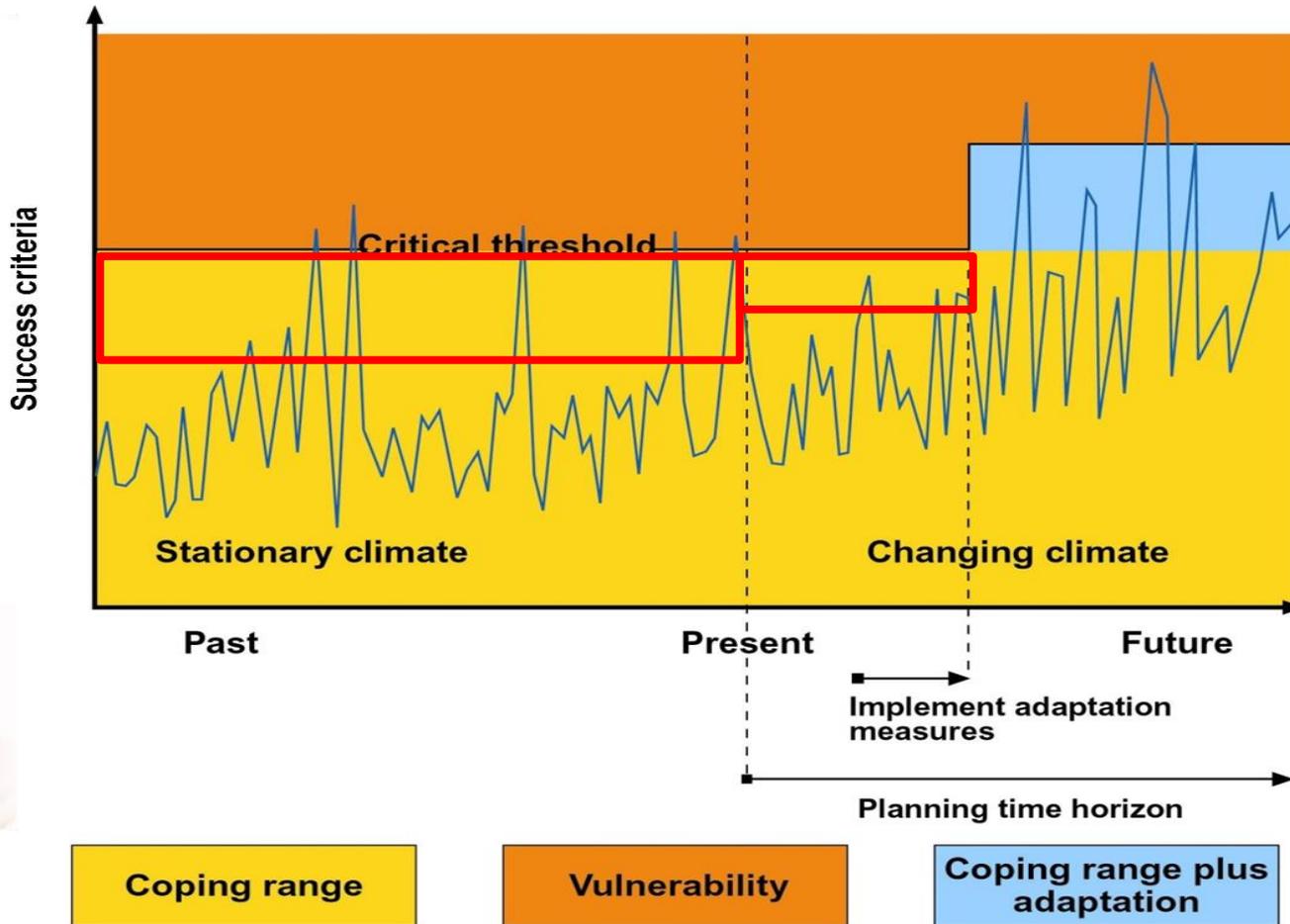
HBO5 plc



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Thresholds



Willows, R.I. and Connell, R.K. (Eds.). (2003). *Climate adaptation: Risk, uncertainty and decision-making*.

UKCIP Technical Report. UKCIP, Oxford.

BG Group mainstreaming adaptation



- **Mandatory** adaptation requirements as part of its Environmental Expectations Standard
- **Climate Change Risk Management Framework** for new projects and existing assets:
 - **Step-by-step** process, based on BG Group Business Risk Management Process
 - **New projects** – issues incorporated in **engineering design** and **EIAs/ ESIA**s
 - *“Climate change may directly affect the communities and ecology close to our operations. We will work with stakeholders to identify adaptation strategies and goals which provide mutual benefits.”*

BG GROUP



Hands-on energy adaptation toolkit



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About the Toolkit

How to Use this Toolkit

The Assignment
Management Team

Acknowledgements

Glossary

Supporting Materials and
Resources



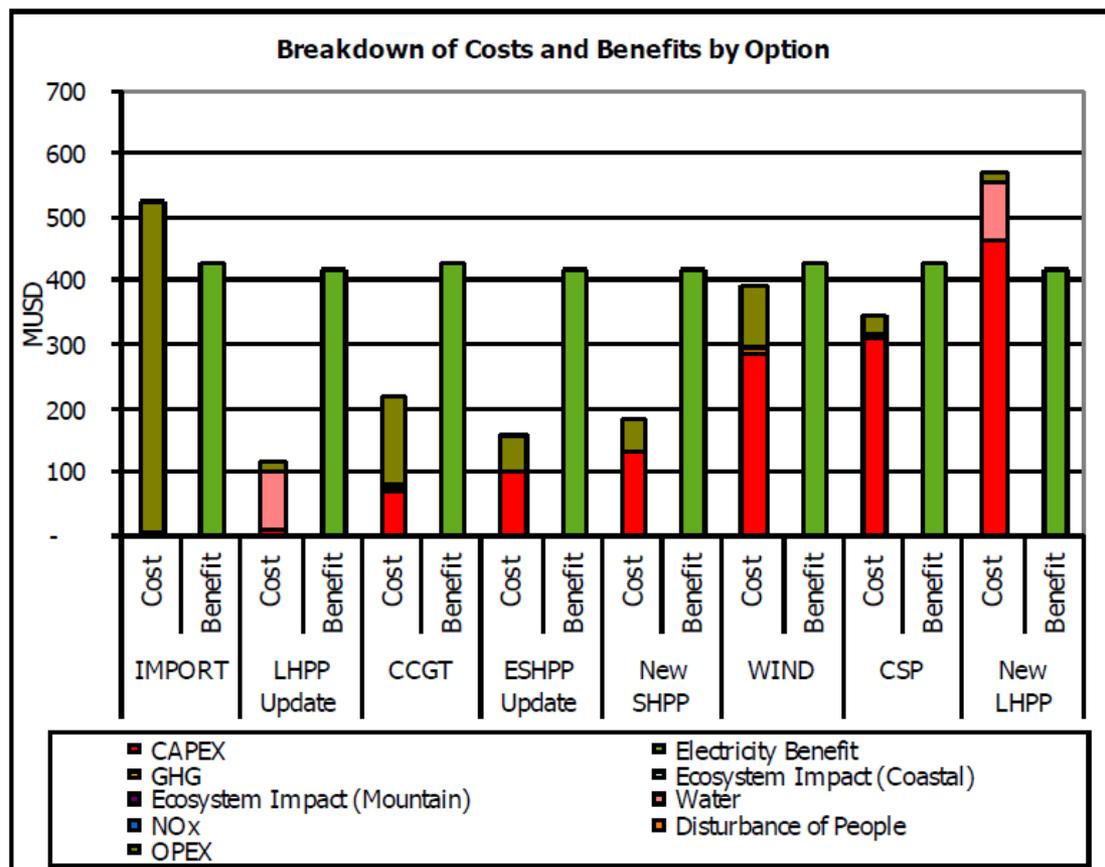
<http://esmap.org/node/312>

National Energy Infrastructure Risks and Adaptation Needs: *Uzbekistan, Kazakhstan, Kyrgyzstan, Turkmenistan*



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- Vulnerability and risk assessments in collaboration with energy sector decision-makers
- Prioritisation of risks
- Identification of adaptation actions for all energy sector decision-makers
- Cost-benefit analyses of energy policy futures taking account of changing climate risks



“Aware for Projects”

- Projects screened against 16 pre-defined risk topics, incl. Temp change, Water availability, Wildfire, Flood and Landslides
- Users can run a “Full” or “Express” report:
 - “Full” report: answer 6 questions based on knowledge of the project
 - “Express” report: no questions to answer, runs from pre-defined sensitivity matrix
- Final output report (PDF):
 - final project rating and breakdown by risk topic
 - commentary on what the results mean for project design
 - climate model agreement / disagreement = level of certainty / uncertainty
 - useful questions to ask of the project developer / sponsor
 - “learn more” links to other information sources / data portals



Section 3 of 15

03

Project Awareness Level

Below you will find the overall awareness level for the project together with a radar chart presenting the level of risk associated with each individual risk topic analysed in Aware™. Projects with a final “Level 3 Awareness” rating are always recommended for further more detailed climate risk analyses.

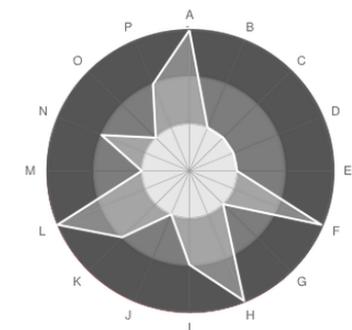
The radar chart provides an overview of which individual risks are most significant. This should be used in conjunction with the final rating to determine whether the project as a whole, or its individual components, should be assessed in further detail. Dark grey (outer circle) suggests a higher level of awareness is required in relation to a risk topic. Light grey (inner circle) suggests a lower level of awareness is required in relation to a risk topic.

In the remaining sections of this report more detailed commentary is provided. Information is given on existing and possible future climate conditions and associated hazards. A number of questions are provided to help stimulate a conversation with project designers in order to determine how they would manage current and future climate change risks at the design stage. Links are provided to recent case studies, relevant data portals and other technical resources for further research.

Final project awareness level

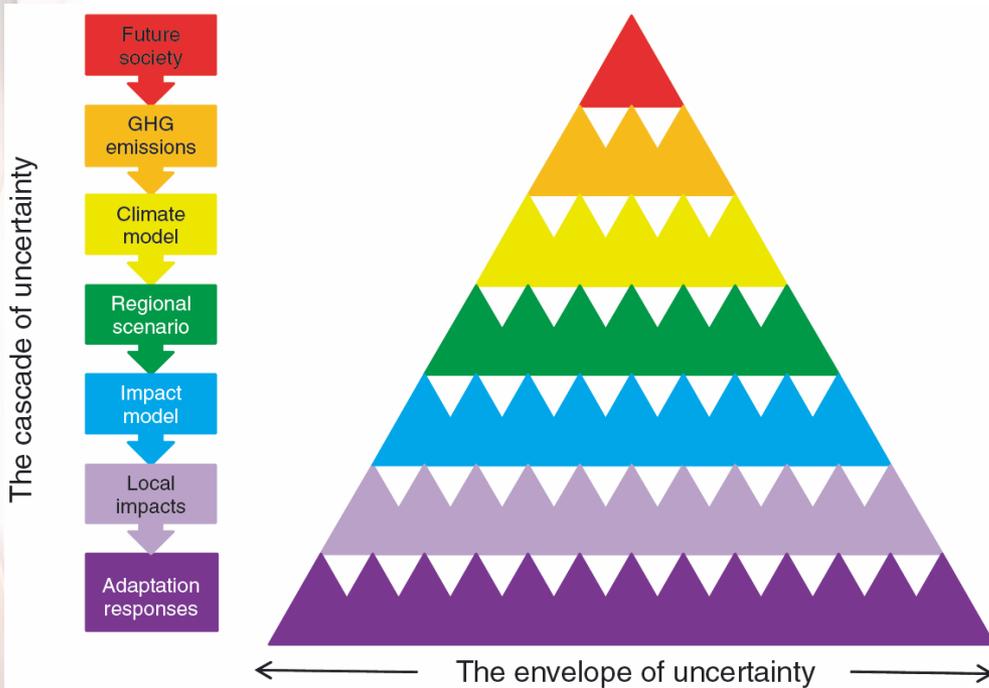
Level 2 Awareness

Breakdown of risk topic ratings



- A) Temperature increase
- B) Wild fire
- C) Permafrost
- D) Sea ice
- E) Precipitation increase
- F) Flood
- G) Snow loading
- H) Landslide
- I) Precipitation decrease
- J) Water availability
- K) Wind speed increase
- L) Onshore tropical storms
- M) Offshore tropical storms
- N) Wind speed decrease
- O) Sea level rise
- P) Solar radiation change

Designing for robustness against climate change uncertainties



- Designs should **focus on robustness to today's and tomorrow's potential climate** – not necessarily the ‘optimal’ solution (Wilby and Dessai, 2010)

“Estimates of climate change impacts will get less, rather than more, certain”. (‘Climate models at their limit?’ Nature, Vol: 486)

We need to embrace uncertainty



"Care for some adaptation?"

Supply chain climate risk management: Marks & Spencer



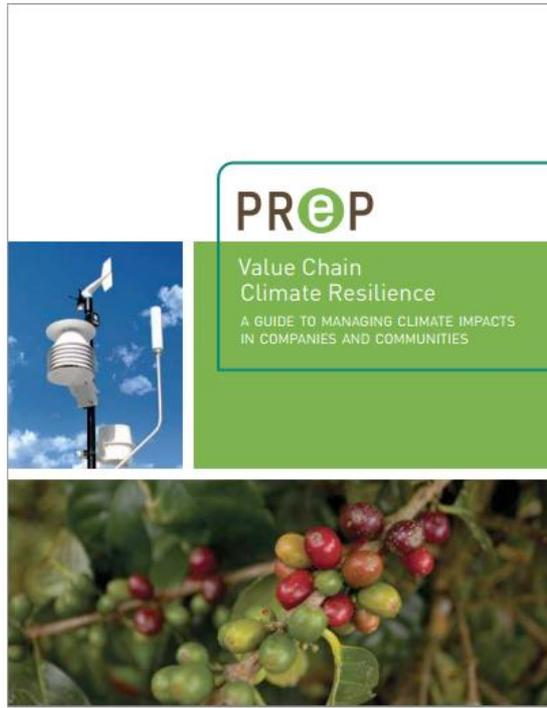
High-level risk assessment of on key product categories:

- Agriculture (tea, coffee, soybeans, wheat, rice & palm oil)
- Marine
- Livestock
- Cotton
- Wood products

Through workshops and desk based reviews, Acclimatise identified 'hot spot' countries/regions and issues of concern

MARKS &
SPENCER

Value Chain Climate Resilience (Oxfam)



LEVI STRAUSS & CO.



Support resources and business environment



Access to finance



Policy environment



Stakeholder expectations

Primary activities beyond business fencelines



Community and ecosystem resilience



Raw materials sourcing



Distribution



Sales

**Snapshot
of the
business
value chain**

Primary activities within business fencelines



Assets and infrastructure



Production



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