



**Biodiversity and Business**  
Convention for Biological Diversity  
**Third Business and the 2010 Biodiversity Challenge Conference**  
In Conjunction with the  
**UNEP Business and Industry Global Dialogue**  
Jakarta, Indonesia

**Session 3.C - Monday 30 November 2009 15:00-18:00 – Parallel session**

**ENERGY**

**PURPOSE AND ISSUES TO ADDRESS**

Energy is a fundamental part of our lives. It is needed for heating, cooking, cooling and lighting in our homes. Most energy sources at some stage are dependent on ecosystem services, e.g. water flows used to power turbines to generate electricity or grow biomass used for heating, cooking and electricity generation. The services provided by ecosystems – through their supporting, provisioning and regulating services – underpin our well-being including most of the energy services we use daily. Yet many of the ecosystem services which underpin energy systems – particularly water-provisioning services – are in decline. How are energy systems likely to be impacted by declining ecosystem services? Are some energy technologies (such as biofuels, heat-based power, hydropower) more vulnerable than others? Are there ways of building energy systems so that they are more resilient to changes which are likely to be brought about by climate change impacts? Can energy systems actually create opportunities for investing in natural infrastructure to reverse the trends in ecosystem services provisioning?

These are the kinds of questions we will explore in a facilitated group discussion in which all participants are welcome to engage!

The objectives of the session are to:

1. Identify examples of how ecosystem goods and services underpin energy security (particularly focusing on water services)
2. Explore the vulnerability of energy systems to changes in water systems (brought about by poor land-use management and exacerbated by climate change and over exploitation)
3. Identify opportunities for more sustainable watershed management practices that can safeguard energy futures



The expected outputs of the session are:

- a. Recommendations to governments going into CBD COP10 (e.g. what kinds of policy frameworks governments should put in place to mobilise investments into sustainable watershed management practices which safeguard energy futures)
- b. Recommendations to governments convening at the GMEF (e.g. what role UNEP and other UN agencies/bodies can play in mobilising investments into sustainable watershed management practices which safeguard energy futures)
- c. Lessons and examples for the TEEB process

## **MODERATOR**

- Andrea Athanas, Senior Programme Officer, Energy, Ecosystems and Livelihoods, Business and Biodiversity, International Union for Conservation of Nature

## **CONFIRMED PARTICIPANTS**

Some of the participants who have already expressed an interest in engaging in this lively discussion are:

- Erica Dholoo, Project Manager, International Petroleum Industry Environmental Conservation Association (IPIECA)
- Jayant Sarnaik, Deputy Director, Applied Environmental Research Foundation, India
- Has Mukh Patel, CEO, Fiji Electricity Authority, Fiji

## **CONTACT**

- Ms. Andrea Athanas, Senior Programme Officer, Energy, Ecosystems and Livelihoods, Business and Biodiversity, International Union for Conservation of Nature: [Andrea.ATHANAS@iucn.org](mailto:Andrea.ATHANAS@iucn.org) (please cc: UNEP DTIE: Garrette Clark [garrette.clark@unep.org](mailto:garrette.clark@unep.org) and Sophie Dunkerley [sophie.dunkerley@unep.org](mailto:sophie.dunkerley@unep.org))