Core group on pilot projects, third meeting
Global Network of basins working on climate change adaptation, first meeting

Geneva, 20-21 February 2013
Introduction

Challenges:

• The Cerrado and Pantanal both need to stay healthy to keep the river flowing and all of the associated services.

• Major threats:
  – Vegetation loss due to expansion of cattle ranching and agriculture, burning
  – Change in siltation, flooding patterns and course of the river from hydro dams

• Climate change:
  – Will alter the basic ecology of wetlands and eliminate up to 85% (for 3-4 C)
  – Detailed impacts not known
Main objective of the project

• Goal: Develop monitoring protocols and establish a long-term monitoring system for the state of the ecosystems

• In order to: Inform management, conservation and restoration to increase resilience
Transboundary Cooperation

• We are working directly with the governments of the Brazilian states of Mato Grosso and Mato Grosso do Sul

• We have also conducted multi-stakeholder workshops in each of the countries in order to engage government, academia and civil society stakeholders

• We are currently in fundraising mode.
3-S River Basin and Tonle Sap Lake
Major Challenges

• Climate change modelling combined with impact of planned hydro development shows an enormous threat to the fisheries in the Tonle Sap Lake.

• Recent vulnerability assessment based on precipitation and temperature predictions will increase vulnerability (analysis in progress).
Main objective of the project

• Increase species resilience to climate changes on the lake
• Develop payment for ecosystem services options for hydro-power in the 3-S basin
• Strengthen existing community fisheries committees to better manage their fisheries and other natural resources under hydro-power and climate change threats
• Develop alternative livelihoods including sustainable aquaculture
• Create savings and loan programs among other strategies for increasing household resilience against changes in income likely to accompany changes in fisheries availability.