Stressor Extreme climatic events Uncertainty (ecological) Sp. distributional shifts Uncertainty (social) Ocean acidification Regulation change Market changes Stock decline Globalization Consolidation Adaptation options: **Ecological** Investment in new gear or innovations Review programs / regulations Investments to improve value chain Social Coordination and organization Institutional Reductions in other stressors Dynamic ocean management Disaster risk management Financial assistance or investment for entering, Context CC International agreements Ν Transition out of fisheries Score Review programs / regulations Investment in new gear or innovations Coordination and organization 10 Transition out of fisheries 20 Financial assistance or investment for entering, 50 International agreements Disaster risk management Individual property rights Investments to improve value chain Reductions in other stressors Community-based rights Dynamic ocean management Economic/community development Financial assistance to help survive bad fishing Financial assistance to help transition out of fish Permit/license/quota banks

Research **Enforcement** 

Adaptation programs

Market diversification

Diversify livelihoods

Disaster funds

Insurance

Enforcement

Research

**MPAs** 

Adaptation programs

Diversify livelihoods

Cooperatives Disaster funds Education

Restoration

Education

**MPAs**