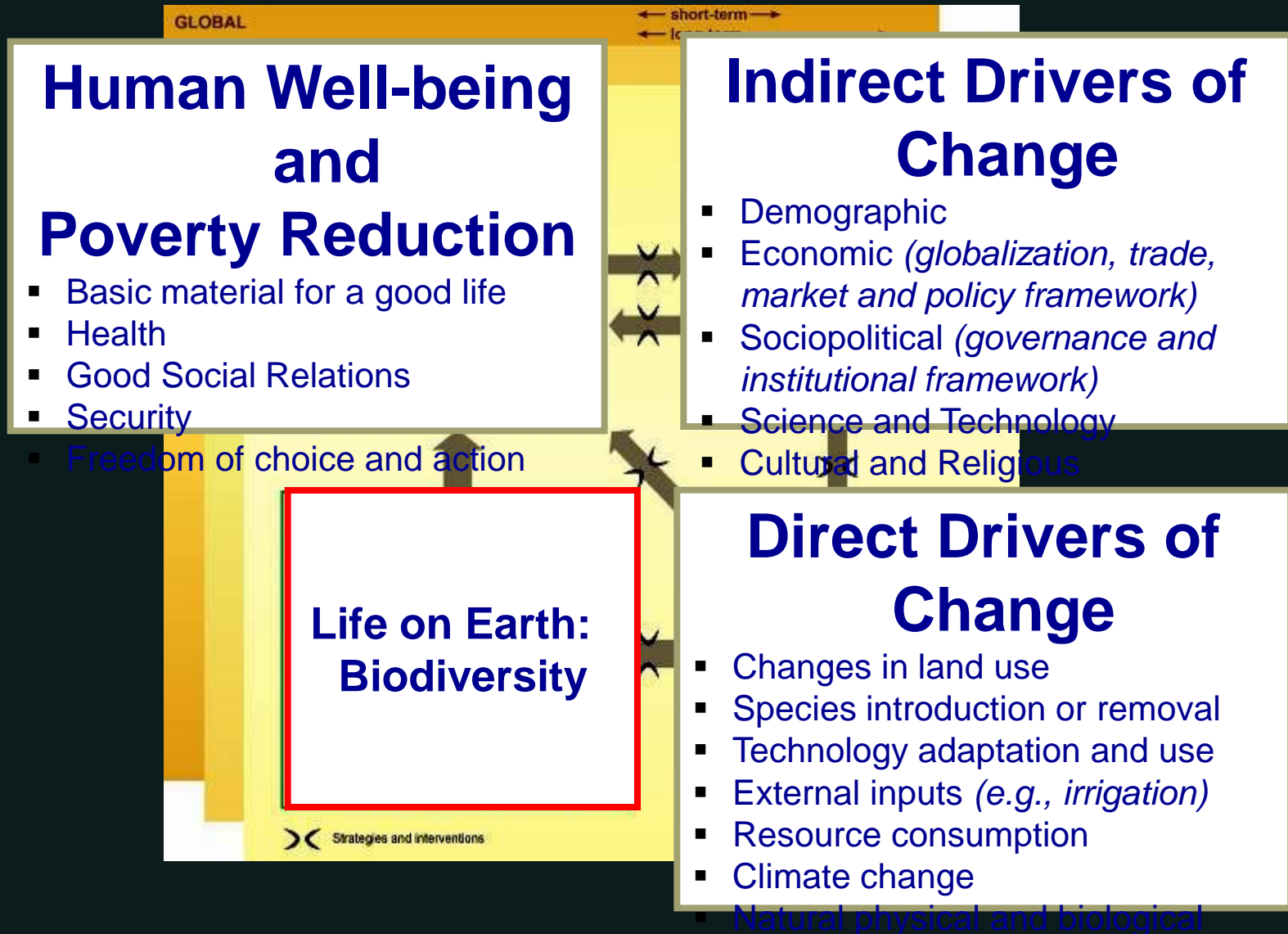


# MA Conceptual Framework



# ECOSYSTEMS AND HUMAN WELL-BEING

VOLUME 3

## **POLICY RESPONSES**



Findings of the Responses Working Group

MILLENNIUM ECOSYSTEM ASSESSMENT



# Inventory matrix of response options

Regional level

National level

Local level

Options

issues

Response options

Economic instruments

Participatory & voluntary approach

Technology transfer

Forest management

Food security

Fresh water management

Biodiversity conservation

Urban planning

Climate change

**Trade-offs**

Response options

Regulation & compliance

Information dissemination & education

Regional cooperation & policy integration

# Promising Options: Change the economic incentives

- Problem can't be solved so long as ecosystem services are treated as free and limitless

- Measure ecosystem service values
- Incorporate into cost-benefit analyses

- Agricultural and fisheries production subsidies cause ecosystem service degradation.

- Annual subsidy to agricultural in industrialized countries: \$324 billion annually (1/3 of global value)
- Annual subsidy to fisheries in industrialized countries \$6.2 billion (20% of global value)
- Opportunity to shift subsidies to payments for ecosystem services



# Policy Round Table

## Use of Valuation in

- PES
- Wetland Banking
- Tradeable Permits
- Ecosystems Accounting
- Benefits Costs Analysis

# Policy Responses

1. What works and how
2. Enabling and Constraining Factors
3. Costs effectiveness of response policies
4. Who initiates the response