

# SECTOR ADJACENCY ASSESSMENT TABLES

| ENVIRONMENT             |   |                          |
|-------------------------|---|--------------------------|
| Subsectors              |   | Relevance Score (1 or 2) |
| Land (Terrestrial)      | <b>Drivers</b>  |                          |
|                         | Land conversion/ deforestation  |                          |
|                         | Desertification   |                          |
|                         | Pest species proliferation (crop destruction/ disease transmission)   |                          |
|                         | Erosion   |                          |
|                         | Fire frequency  |                          |
|                         | Soil quality  |                          |
|                         | Urbanization/ urban sprawl/ development   |                          |
|                         | Pollution   |                          |
|                         | Overharvest and illegal harvest of natural resources  |                          |
|                         | Invasive species  |                          |
|                         | Habitat fragmentation   |                          |
|                         | <b>Outcomes</b>   |                          |
|                         | Terrestrial habitat existence and quality (forests, grasslands, deserts etc.)                               |                          |
|                         | Terrestrial species survival (endangered, culturally important, commercially important, keystone, umbrella) |                          |
|                         | Green space availability  |                          |
|                         | Pollinator species persistence  |                          |
| Human-wildlife conflict |   |                          |
| Protected areas         |   |                          |

## ENVIRONMENT

| Subsectors                                |   | Relevance Score (1 or 2) |
|---|---|--------------------------|
| <b>Rivers and Streams</b>                 | <b>Drivers</b>  |                          |
|   | Dredging  |                          |
|   | Dams  |                          |
|   | Sedimentation   |                          |
|   | Water use   |                          |
|   | Water pollution (ag runoff, sewage, etc.)   |                          |
|   | Fisheries   |                          |
|   | Overharvest and illegal harvest of natural resources  |                          |
|   | Invasive species  |                          |
|   | Habitat fragmentation   |                          |
|   | <b>Outcomes</b>   |                          |
|   | Aquatic and riparian habitat existence and quality (wetlands, streams, rivers)                                    |                          |
|   | Riparian/ aquatic species survival (endangered, culturally important, commercially important, keystone, umbrella) |                          |
|   | Water quality/ eutrophication   |                          |
| Fishery sustainability (fish populations) |   |                          |
| <b>Oceans</b>                             | <b>Drivers</b>  |                          |
|   | Dredging  |                          |
|   | Water quality/ Pollution/ eutrophication  |                          |
|   | Fishing/ Over-fishing   |                          |
|   | Acidification   |                          |
|   | Coastal development   |                          |
|   | Shipping  |                          |
|   | Overharvest and illegal harvest of natural resources  |                          |
|   | Invasive species  |                          |
|   | Habitat fragmentation   |                          |
|   | <b>Outcomes</b>   |                          |
|   | Marine habitat existence and quality (coastal wetlands, mangroves, sea grass, coral reefs, pelagic)               |                          |
|   | Marine species survival (endangered, culturally important, commercially important, keystone, umbrella)            |                          |
|   | Fishery sustainability (fish populations)   |                          |

## ENVIRONMENT

| Subsectors                        |   | Relevance Score (1 or 2) |
|-----------------------------------|---|--------------------------|
| <b>Air and Climate</b>            | <b>Drivers</b>  |                          |
|                                   | Air pollution sources                                     |                          |
|                                   | Particulates  |                          |
|                                   | Airborne toxins   |                          |
|                                   | Warming   |                          |
|                                   | Extreme weather (storms, drought, fires, etc.)            |                          |
|                                   | Ocean acidification                                       |                          |
|                                   | <b>Outcomes</b>   |                          |
|                                   | Air quality (PM concentration, toxin concentration, etc.) |                          |
|                                   | Carbon dioxide and other greenhouse gas emissions         |                          |
|                                   | Species range shifts/ suitable habitat for species        |                          |
|                                   | Carbon accumulation and storage in natural habitats       |                          |
| <b>Crosscutting Sector Issues</b> | Environmental policies and enforcement                    |                          |
|                                   | Natural resource governance                               |                          |
|                                   | Access to Environmental information                       |                          |
| <b>Additional items</b>           |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |

## HEALTH

| Subsectors               |  | Relevance Score (1 or 2) |
|--------------------------|--|--------------------------|
| <b>Drivers</b>           | <b>Environmental risks</b>   |                          |
|                          | Unsafe water, sanitation, and hygiene                              |                          |
|                          | Air pollution  |                          |
|                          | Other environmental risks (e.g., residential radon, lead exposure) |                          |
|                          | Occupational risks   |                          |
|                          | <b>Behavioral risks</b>  |                          |
|                          | Child and maternal malnutrition                                    |                          |
|                          | Tobacco  |                          |
|                          | Alcohol and drug use   |                          |
|                          | Dietary risks  |                          |
|                          | Intimate partner violence  |                          |
|                          | Childhood maltreatment   |                          |
|                          | Unsafe sex   |                          |
|                          | Low physical activity  |                          |
|                          | <b>Metabolic Risks</b>   |                          |
|                          | High fasting plasma glucose  |                          |
|                          | High LDL cholesterol   |                          |
|                          | High systolic blood pressure                                       |                          |
|                          | High body mass index   |                          |
|                          | Low bone mineral density   |                          |
| Impaired kidney function |  |                          |

## HEALTH

| Subsectors      |   | Relevance Score (1 or 2) |
|-----------------|---|--------------------------|
| <b>Outcomes</b> | <b>Communicable, maternal, neonatal, and nutritional diseases</b>   |                          |
|                 | HIV/AIDS and sexually transmitted infections  |                          |
|                 | Respiratory infections and tuberculosis   |                          |
|                 | Enteric infections  |                          |
|                 | Neglected tropical diseases and malaria   |                          |
|                 | Other infectious diseases   |                          |
|                 | Maternal and neonatal disorders (e.g. maternal hemorrhage, maternal sepsis and other infections, obstructed labor and uterine rupture, maternal abortion and miscarriage, ectopic pregnancy, maternal deaths aggravated by HIV/AIDS; preterm birth, neonatal sepsis and other infections) |                          |
|                 | Nutritional deficiencies  |                          |
|                 | <b>Non-communicable diseases</b>  |                          |
|                 | Neoplasms (cancer)  |                          |
|                 | Cardiovascular diseases   |                          |
|                 | Chronic respiratory diseases  |                          |
|                 | Digestive diseases  |                          |
|                 | Neurological disorders (e.g., Alzheimer's, Parkinson's, multiple sclerosis)   |                          |
|                 | Mental disorders (including stress)   |                          |
|                 | Substance use disorders   |                          |
|                 | Diabetes and kidney diseases  |                          |
|                 | Skin and subcutaneous diseases  |                          |
|                 | Sense organ diseases  |                          |
|                 | Musculoskeletal disorders   |                          |
|                 | Other non-communicable diseases (e.g., congenital birth defects)  |                          |
|                 | <b>Injuries</b>   |                          |
|                 | Transport injuries  |                          |
|                 | Unintentional injuries (e.g., falls, drowning, fire/heat/hot substances, poisonings, animal contact, environmental heat and cold exposure)  |                          |
|                 | Self-harm and interpersonal violence  |                          |

## HEALTH

| Subsectors                        |  | Relevance Score (1 or 2) |
|-----------------------------------|--|--------------------------|
| <b>Crosscutting sector issues</b> | Policies , governance, and financing for health services   |                          |
|                                   | Social determinants of health (e.g., culture, social cohesion, norms and attitudes, social disorder, income, equity, access to technology and information, etc.) |                          |
|                                   | Physical determinants of health (e.g., natural and built environments, transportation, housing, exposure to toxic substances and other physical hazards, etc.)   |                          |
|                                   | Access to and quality of health services (including health care facilities)  |                          |
|                                   | Individual behavior  |                          |
|                                   | Biology and genetics   |                          |
| <b>Additional items</b>           |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |

## NUTRITION

| Subsectors                        |   | Relevance Score (1 or 2) |
|-----------------------------------|---|--------------------------|
| <b>Drivers</b>                    | Diets (nutritional intake)  |                          |
|                                   | Household food security   |                          |
|                                   | Intra-household food allocation   |                          |
|                                   | Care and feeding practices (e.g., complementary feeding, breastfeeding)   |                          |
|                                   | Diseases (e.g., diarrheal disease)  |                          |
|                                   | Household environment   |                          |
|                                   | Food safety   |                          |
|                                   | Health services   |                          |
|                                   | Access to nutritious foods  |                          |
| <b>Outcomes</b>                   | Stunting  |                          |
|                                   | Wasting   |                          |
|                                   | Underweight   |                          |
|                                   | Overweight  |                          |
|                                   | Obesity   |                          |
|                                   | Micronutrient deficiencies  |                          |
| <b>Crosscutting sector issues</b> | Household access to adequate quantity and quality of resources: land, education, employment, income, technology |                          |
|                                   | Financial, human, physical, and social capital  |                          |
|                                   | Social cultural, economic, and political context  |                          |
| <b>Additional Items</b>           |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |

## AGRICULTURE AND FOOD SECURITY

| Subsectors                                 |  | Relevance Score (1 or 2) |
|--|--|--------------------------|
| <b>Agricultural Production</b>             | <b>Drivers</b>   |                          |
|  | Crop type  |                          |
|  | Livestock type   |                          |
|  | Mechanization/ access to technology  |                          |
|  | Agricultural intensification   |                          |
|  | Seed varieties (GMOs)  |                          |
|  | Fertilizer and pesticide use (for crops)   |                          |
|  | Antibiotic use (for livestock)   |                          |
|  | Type of agriculture (industrial vs. smallholder, commercial vs. subsistence vs. artisanal) |                          |
|  | Urbanization and availability of labor   |                          |
|  | Aquaculture expansion  |                          |
|  | <b>Outcomes</b>  |                          |
|  | Production diversity   |                          |
|  | Nutritional Density  |                          |
|  | Crop yield   |                          |
|  | Sustainable agricultural practice implementation (BMPs)                                    |                          |
|  | Antibiotic resistant bacteria spread/ prevalence of disease untreatable by antibiotics     |                          |
|  | Agro-ecological conditions   |                          |
|  | Agricultural income/ agricultural employment   |                          |
|  | Agricultural businesses  |                          |
| Crop disease/ livestock disease prevalence |  |                          |
| Crop health                                |  |                          |
| <b>Agricultural supply chains</b>          | <b>Drivers</b>   |                          |
|  | Food supply chains   |                          |
|  | Access to markets  |                          |
|  | <b>Outcomes</b>  |                          |
| Food price shocks                          |  |                          |



## AGRICULTURE AND FOOD SECURITY

| Subsectors  |  | Relevance Score (1 or 2) |
|---|--|--------------------------|
| <b>Consumption and food access</b>                                  | <b>Drivers</b>   |                          |
|   | Cooking practices—resources required (wood/ fuel)                      |                          |
|   | Population growth  |                          |
|   | Affordability of agricultural products/ food prices                    |                          |
|   | Hygiene and sanitation   |                          |
|   | Alternative protein sources—e.g. insects, synthetic                    |                          |
|   | Dietary patterns   |                          |
|   | Food storage   |                          |
|   | <b>Outcomes</b>  |                          |
|   | Reduced agricultural waste (and method of disposal)                    |                          |
|   | Food safety  |                          |
|   | Food waste   |                          |
|   | Food availability  |                          |
|   | Food access (to agricultural products, to wild food products)          |                          |
|   | Food utilization (ability to use available food)                       |                          |
|   | Stability of availability, access, and utilization                     |                          |
| Nutritional status  |  |                          |
| <b>Resources and environmental conditions (agricultural inputs)</b> | <b>Drivers</b>   |                          |
|   | Irrigation/ agricultural water management                              |                          |
|   | Land conversion to agriculture   |                          |
|   | Soil erosion   |                          |
|   | Pollination (managed and natural)                                      |                          |
|   | Water availability and quality (surface and groundwater)               |                          |
|   | Desertification/ land degradation (related to erosion and soil health) |                          |
|   | Agricultural pests   |                          |
|   | Climate/ precipitation changes that affect crops                       |                          |
|   | Frequency of extreme weather events                                    |                          |
|   | <b>Outcomes</b>  |                          |
|   | Water availability for growing crops                                   |                          |
|   | Fertilizer and pesticide runoff  |                          |
|   | Soil health- nutrients, salinity                                       |                          |
|   | Water use efficiency/ availability of water for other uses             |                          |
|   | Agriculture related greenhouse gas emissions                           |                          |

## AGRICULTURE AND FOOD SECURITY

| Subsectors                        |   | Relevance Score (1 or 2) |
|-----------------------------------|---|--------------------------|
| <b>Crosscutting Sector Issues</b> | Agricultural regulation and enforcement                                     |                          |
|                                   | Availability of agricultural R&D/ extension                                 |                          |
|                                   | Governance of natural resources (e.g. land and water rights)                |                          |
|                                   | Social norms (e.g. cultural/ traditional agricultural management practices) |                          |
| <b>Additional Items</b>           |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |
|                                   |   |                          |

## WATER, SANITATION & HYGIENE (WASH)

| Subsectors  |  | Relevance Score (1 or 2) |
|---|--|--------------------------|
| <b>Water access (and quality)</b>                               | <b>Drivers</b>   |                          |
|   | Water sources  |                          |
|   | Affordability of water   |                          |
|   | Water pollution/ contamination   |                          |
|   | Water recycling/ re-use  |                          |
|   | Water scarcity/ use-efficiency   |                          |
|   | <b>Outcomes</b>  |                          |
|   | Access to water (for multiple uses e.g. cleaning, laundry etc.)                              |                          |
|   | Access to potable water (for drinking and cooking)   |                          |
|   | Time spent gathering water   |                          |
| <b>Sanitation</b>   | <b>Drivers</b>   |                          |
|   | Access to toilets and toilet use practices   |                          |
|   | Wastewater treatment practices   |                          |
|   | <b>Outcomes</b>  |                          |
|   | Access to toilets/ toilet facilities   |                          |
|   | Contamination of water sources with wastewater (and associated disease burden and pollution) |                          |
|   | Bacteria/ virus/ parasite load in drinking water   |                          |
| Disease burden of infections caused by using contaminated water |  |                          |
| <b>Hygiene</b>  | <b>Drivers</b>   |                          |
|   | Hand washing practices   |                          |
|   | Hygiene education/ awareness   |                          |
|   | Access to soap   |                          |
|   | Access to menstrual hygiene products   |                          |
|   | Disease spread through fingers, flies, fields, and fluids                                    |                          |
|   | <b>Outcomes</b>  |                          |
|   | Women/ girls engaged in usual activities during menstruation                                 |                          |
| Disease transmission (and resulting disease burden)             |  |                          |
| <b>Crosscutting Sector Issues</b>                               | Water infrastructure/ access to sanitation and hygiene hardware and products                 |                          |
|   | Sanitation policies and governance   |                          |
|   | Behavior change (education/ awareness)   |                          |

## WATER, SANITATION & HYGIENE (WASH)

| <b>Subsectors</b>       |  | <b>Relevance Score (1 or 2)</b> |
|-------------------------|--|---------------------------------|
| <b>Additional Items</b> |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |
|                         |  |                                 |

## ENERGY

| Subsectors   |  | Relevance Score (1 or 2) |
|--|--|--------------------------|
| <b>Energy access</b>   | <b>Drivers</b>   |                          |
|  | Energy access type (on-grid vs. off-grid; centralized vs. decentralized) |                          |
|  | Cost of electricity  |                          |
|  | <b>Outcomes</b>  |                          |
|  | Access to energy   |                          |
|  | Access to electricity  |                          |
|  | Access to clean cooking  |                          |
| Access to heating and cooling                                  |  |                          |
| <b>Energy systems</b>  | <b>Drivers</b>   |                          |
|  | Energy type  |                          |
|  | <b>Outcomes</b>  |                          |
|  | Access to renewable energy   |                          |
| Energy security (uninterrupted availability of energy sources) |  |                          |
| <b>Resource use</b>  | <b>Drivers</b>   |                          |
|  | Natural resources required for energy production                         |                          |
|  | <b>Outcomes</b>  |                          |
|  | Greenhouse gas emissions   |                          |
|  | Wood use   |                          |
| Energy use   |  |                          |
| <b>Crosscutting Sector Issues</b>                              | Energy finance and investment  |                          |
|  | Energy policy and governance   |                          |
|  | Energy infrastructure  |                          |
| <b>Additional Items</b>  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |
|  |  |                          |

## EDUCATION

| Subsectors                              |   | Relevance Score (1 or 2) |
|---|---|--------------------------|
| <b>Schools</b>                          | <b>Drivers</b>  |                          |
|   | Access to schools   |                          |
|   | Access to school supplies   |                          |
|   | <b>Outcomes</b>   |                          |
|   | School attendance   |                          |
|   | School enrollment   |                          |
|   | Retention of students/ completion of education  |                          |
| Student safety                          |   |                          |
| <b>Teachers</b>                         | <b>Drivers</b>  |                          |
|   | Teacher quality/ training   |                          |
|   | Number of teachers/ access to teachers (ratio of teachers to students)                          |                          |
|   | <b>Outcomes</b>   |                          |
| Teacher effectiveness                   |   |                          |
| <b>Education System</b>                 | <b>Drivers</b>  |                          |
|   | Retention of students/ completion of education  |                          |
|   | Education facilities  |                          |
|   | Adequate educational system in place (early childhood ed, primary, secondary, tertiary schools) |                          |
|   | Investment in curriculum development  |                          |
|   | <b>Outcomes</b>   |                          |
|   | Environment suitable for learning   |                          |
| Literacy/ numeracy rates                |   |                          |
| <b>Skills training/ Adult education</b> | <b>Drivers</b>  |                          |
|   | Access to training  |                          |
|   | <b>Outcomes</b>   |                          |
| Employment/ skills preparedness         |   |                          |
| <b>Crosscutting Sector Issues</b>       | Education standards   |                          |
|   | Education traditions and norms  |                          |
|   | Education funding   |                          |
| <b>Additional Items</b>                 |   |                          |
|   |   |                          |
|   |   |                          |
|   |   |                          |
|   |   |                          |
|   |   |                          |
|   |   |                          |

## ECONOMIC DEVELOPMENT AND LIVELIHOODS

| Subsectors                        |  | Relevance Score (1 or 2) |
|-----------------------------------|--|--------------------------|
| <b>Drivers</b>                    | Entrepreneurship   |                          |
|                                   | Access to markets  |                          |
|                                   | Equal pay  |                          |
|                                   | Access to job training                                   |                          |
|                                   | Access to education                                      |                          |
|                                   | Access to financial services                             |                          |
|                                   | Cost of training   |                          |
| <b>Outcomes</b>                   | Poverty rates  |                          |
|                                   | Job availability/ job opportunities                      |                          |
|                                   | Job and income diversity                                 |                          |
|                                   | Forced labor   |                          |
|                                   | Savings/ assets  |                          |
|                                   | Shelter  |                          |
|                                   | Personal life/ leisure time                              |                          |
|                                   | Time Use   |                          |
|                                   | Living standards   |                          |
|                                   | Adults gain marketable skills                            |                          |
|                                   | Eligibility for jobs requiring specific skills/ training |                          |
| <b>Crosscutting Sector Issues</b> | Labor rights/ worker rights                              |                          |
|                                   | Labor policy and enforcement                             |                          |
|                                   | Land tenure  |                          |
| <b>Additional Items</b>           |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |
|                                   |  |                          |