



## EIA in Action: A Virtual Field Visit

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## **SCENARIO**

- This is a project planning and design trip for the economic growth and food security team
  - Further define development objectives and options or alternatives for meeting objectives
  - Learn more about the potential environmental and social impacts of the proposed activity and possible mitigation strategies
    - Document review and multi-day field trip to the Kilombero Valley
      - o Data Collection and Review of Relevant Literature
      - Stakeholder Consultations
      - Mapping/Geospatial Data

## **OVERVIEW**

- Session Objectives:
  - Identify the most important aspects of the baseline situation
  - Determine potentially significant environmental and human health impacts
  - Consider the minimum range of alternatives
  - Identify potential environmental management (mitigation) measures

- What you need:
  - Worksheet
  - USAID Agriculture Sector Environmental Guideline



- Construction of surface water-based irrigation schemes at five sites in Kilombero District
  - Magombera Kimbiyoko (MaKi), Kisegese, Udagaji, Mgugwe, and Mpanga-Ngalimila
  - Construction is complex and will require large-scale earthworks. Each new system will involve weir diversions, distribution canals, secondary control structures, drainage, and on-farm access roads.
- Beneficiaries are smallholder farmers
  - Construction will be combined with a farmer training program























Low-productivity agriculture

Pastoralism

Foraging for forest products and bushmeat (provisioning ecosystem services)

































## **ECOSYSTEM SERVICES**

Provisioning Services	Regulating Services	Cultural Services
Food	Regulation of water timing	Spiritual and religious
Crops	and flows	values
Livestock		
<ul> <li>Capture fisheries</li> </ul>	Erosion control	Recreation and
		tourism
Raw materials	Maintenance of soil quality	
<ul> <li>Timber and other wood</li> </ul>		
fibers	Water purification and	
<ul> <li>Biomass Fuels</li> </ul>	waste treatment	
Fresh Water		
	Climate regulation (global,	
Pharmaceuticals and	local and regional)	
natural medicines		







- Work for 30 minutes in small groups to:
  - Review key potential impacts of the project, per the Sector Environmental Guideline
  - Characterize key elements of the baseline situation
  - In view of the baseline situation and the intended intervention, identify which impacts are of concern/may be significant
  - Identify likely mitigation/management approaches.