Assessing health impacts of agrobusiness for energy - Eni's case



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INTRODUCTION

Eni is committed to achieve carbon neutrality by 2050

Producing vegetable oil to be converted into **biofuels** is one of the keys to the **energy transition** in the transport sector

iofuels are generated from raw materials (agrieedstock) produced from **degraded, polluted** or Ibandoned land, waste (i.e. used Cooking Oil-UCO and gro-industrial waste)

roduction ensures that there is **no impact** on the **bod supply chain and forest ecosystems**, and products re certified according to the criteria of the relevant



ENI AGRIBUSINESS MODEL



ADAPTATION OF ENI HEALTH MANAGEMENT MODEL



AREAS OF IMPROVEMENT ACTIONS

OCCUPATIONAL - WORKFORCE	COMMUNITY- HEALTH & ENVIRONMENT	STAKEHOLDER
 Arathrisks evaluation and control Braith surveillance 	 Permitting and gaps with local regulation Health impacts evaluation and control: Primary and secondary data collection Biodiversity and natural resources - including water Proliferation of parasites, wild/poisonous insects and animals -vector borne diseases Waste management - local regulation/local facilities, risks and opportunities Air Quality - pollution (e.g. emmisions from facility & trucks, dust generation, etc.) Health and Environmental-health monitoring One health concept Community health needs 	 The definition of 2 stakeholder levels is accessary: First level: International and strategic, e.g., research phase, experience sharing, etc. Second level : Specific for the project, e.g., when defining training or when doing community needs assessments

ACTION PLAN TO ADAPT HEALTH MODEL FOR AGRIBUSINESS



3 GOOD HEALTH AND WELL-BEING

6 CLEAN WATER AND SANITATION

2 ZERO HUNGER

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

 $\mathcal{C}\mathcal{O}$

8 DECENT WORK AND Economic growth

17 PARTNERSHIP PER GLI OBIETTIVI

HEALTH IMPACT ASSESSMENT



HEALTH IMPACT ASSESSMENT PROCEDURE



Identify the Value Chain

Identify the Value Chain components and boundaries Identify interfaces and responsibilities

Assess Health Risk and Impacts

Assess occupational health hazards and risks Assess health impacts starting from the context analysis

Identify Control Measures

- Identify the control measures through contract/agreement between Company and Farmers/transporters and/or Company and aggregators
- Identify sustainable programs for the Value Chain and the communities based on the context and needs assessment

Review and Adaptive Management

- Set monitoring and KPIs for review via audit, inspections program and stakeholders' engagement
- Review and adapt the control measures based on outcomes

HEALTH IMPACT ASSESSMENT TO HELP BUSINESS DECISION



Let's continue the conversation!

Post questions and comments in the IAIA23 app.

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