





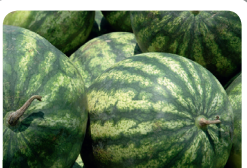





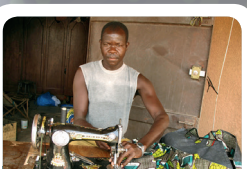










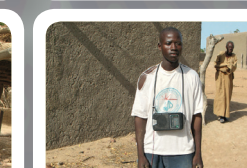


# Information sheet: households

 <p>Crop production</p> <p><b>Millet</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>	 <p>Crop production</p> <p><b>Sesame</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>	 <p>Crop production</p> <p><b>Peanuts</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>	 <p>Crop production</p> <p><b>Cotton</b></p> <p>Investment 25 Afro</p> <p>Earnings 6 Afro</p>	 <p>Crop production</p> <p><b>Afforestation</b></p> <p>Investment 20 Afro</p> <p>Earnings 4 Afro</p>	 <p>Crop production</p> <p><b>Cassava</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>
 <p>Crop production</p> <p><b>Melons</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>	 <p>Animal production</p> <p><b>Cattle</b></p> <p>Investment 40 Afro</p> <p>Earnings 10 Afro</p>	 <p>Animal production</p> <p><b>Sheep and goats</b></p> <p>Investment 20 Afro</p> <p>Earnings 5 Afro</p>	 <p>Animal production</p> <p><b>Poultry</b></p> <p>Investment 10 Afro</p> <p>Earnings 2 Afro</p>	 <p>Animal production</p> <p><b>Bees</b></p> <p>Investment 20 Afro</p> <p>Earnings 4 Afro</p>	 <p>Off-farm income</p> <p><b>Day labour</b></p> <p>Investment 20 Afro</p> <p>Earnings 5 Afro</p>
 <p>Off-farm income</p> <p><b>Crafts</b></p> <p>Investment 30 Afro</p> <p>Earnings 7 Afro</p>	 <p>Off-farm income</p> <p><b>Retail trade</b></p> <p>Investment 30 Afro</p> <p>Earnings 8 Afro</p>	 <p>Off-farm income</p> <p><b>Grain milling</b></p> <p>Investment 50 Afro</p> <p>Earnings 12 Afro</p>	 <p>Off-farm income</p> <p><b>Transport service</b></p> <p>Investment 50 Afro</p> <p>Earnings 12 Afro</p>	 <p>Off-farm income</p> <p><b>Job in the city</b></p> <p>Investment 40 Afro</p> <p>Earnings 9 Afro</p>	 <p>Off-farm income</p> <p><b>Processing agricultural products</b></p> <p>Investment 30 Afro</p> <p>Earnings 8 Afro</p>
 <p>Precautions Social security</p> <p><b>Health</b></p> <p>Investment 30 Afro</p>	 <p>Precautions Social security</p> <p><b>Stocks and savings</b></p> <p>Investment 30 Afro</p>	 <p>Precautions Social security</p> <p><b>Solidarity</b></p> <p>Investment 30 Afro</p>	 <p>Precautions Social security</p> <p><b>Education</b></p> <p>Investment 30 Afro</p>	 <p>Precautions Social security</p> <p><b>Family planning</b></p> <p>Investment 30 Afro</p>	 <p>Precautions Social security</p> <p><b>Information resources</b></p> <p>Investment 30 Afro</p>
<p><b>Intensifying crop production</b></p> <p><b>Possible measures</b></p> <ul style="list-style-type: none"> <li>• Improved seed</li> <li>• Fertilizer, plant protection</li> <li>• Soil and water conservation</li> <li>• Agroforestry</li> <li>• Mechanization</li> </ul> <p>Measures of intensification increase production.</p> <p>Every <i>Crop production</i> card combined with an intensification card generates double the annual earnings.</p> <p>Place the two cards together.</p> <p>Investment 10 Afro</p>			<p><b>Intensifying animal production</b></p> <p><b>Possible measures</b></p> <ul style="list-style-type: none"> <li>• Improved animal breeds</li> <li>• Vaccinations</li> <li>• Cultivation of fodder crops</li> </ul> <p>Measures of intensification increase production.</p> <p>Every <i>Animal production</i> card combined with an intensification card generates double the annual earnings.</p> <p>Place the two cards together.</p> <p>Investment 20 Afro</p>		<p><b>Loan</b></p> <p><b>Credit 60 Afro</b></p> <p>The terms are strict. The loan of 60 Afro plus annual interest of 10 Afro must be paid back to the game facilitator within 3 years. Thus, you must pay 30 Afro each year for 3 years. The first due date is the end of this year!</p> <p>Retain this card until the full amount has been repaid.</p>

- 1 Afro
- 10 Afro
- 20 Afro

**Investments**  
Maximum 100 Afro in year 1, afterwards unrestricted

**Land tax**  
10 Afro annually per household

**Earnings tax**  
1 Afro annually per activity card







# Information sheet: community council

## Tasks and procedures

<b>Composition of the community council</b>	The community council is made up of four members – one delegate from each household. To begin, the council members must select a council president and a financial administrator from their ranks.
<b>Tasks in each stage of the game</b>	
<b>Game stage: Investments</b>	The community council members obtain an overview of the possible measures of community development (game cards “Community development”). All the council members consult with their respective household about its investments. This enables council members to raise community development measures for discussion that will optimally support their own household strategy.
<b>Game stage: Earnings</b>	The community council chooses two community development measures, which it will propose for implementation at the annual year-end community assembly (all members of the community). It puts together convincing arguments for both measures.
<b>Game stage: Taxes and payments</b>	The financial administrator collects annual taxes from all the households: a land tax of 10 Afro plus an earnings tax of 1 Afro per income-generating activity card. The administrator determines the community’s cash holdings and informs the community council and the assembly about the financial status of the community.
<b>Game stage: Community assembly</b>	<ol style="list-style-type: none"><li>1. The community council proposes two collective investments in community development and explains the rationale behind them.</li><li>2. Following group discussion of the two measures, the council president leads a vote over each measure. During voting, each member of the community (including council members) has a single vote.</li><li>3. Voting procedure (simple majority wins):<ul style="list-style-type: none"><li>• Should the community invest or not?</li><li>• Should one or two measures be implemented?</li><li>• If only one measure, which one?</li></ul></li><li>4. In a tie, the council president casts the decisive vote.</li><li>5. The community assembly may also jointly decide not to undertake any investments in community development.</li></ol>
<b>Finances</b>	Community investments are financed by the community treasury. The community treasury receives funds from taxes and particular events. If not enough money is available for an investment, the community council can suggest that the households pay a special tax. The community assembly decides by simple majority.







# Information sheet: game facilitator

## Impacts of community development

### Irrigation systems

Irrigation reduces the risk of cultivation in drylands. Efficient, water-saving technology and relevant know-how are crucial to prevent negative consequences such as soil erosion, salinization, and lowering of the water table.

- Crop production benefits from this measure. Every *Crop production* card earns a one-time added profit of 2 Afro. Intensification measures also become more effective, so every *Intensifying crop production* card earns 3 Afro in added profit.
- **Community level:** The community must additionally invest 20 Afro in technical training in order to avoid the possible negative consequences of irrigation.

### Electricity supply

Electrification leads to improvements in the earning potential of many off-farm activities.

- For the next two years, investments in *Crafts, Processing agricultural products*, and *Grain milling* earn twice as much.
- **Community level:** The community treasury receives additional funds from market taxes in the amount of 40 Afro (from the game facilitator).

### Peace Court

All members of the community can request support from the Peace Court to resolve conflicts. This ensures that simmering conflicts are quickly addressed and solutions are sought involving all parties. It strengthens community cohesion and fosters peaceful social relations.

- Everyone may now purchase the card *Solidarity* for only 15 Afro.

### Community vehicle

Thanks to increased exchange, the community council gets to know the community's concerns, needs, and interests and includes them in negotiations with regional administrators.

- **Community level:** The whole community profits and the community treasury receives 50 Afro (from the game facilitator).
- **The richest household** (= whichever has the most Afro in cash) may use the vehicle for free on occasion. But the costs are borne by the broader community. Each other household must pay the game facilitator 5 Afro.

### Health system

Hygiene conditions improve thanks to the good work of the young advisers. This reduces health risks and instances of missed work. Improvements in worker health increase agricultural productivity.

- The increase in productivity leads to better agricultural yields. **From now on**, all households earn 10% more each year for all *Crop production* and *Animal production* cards.

### Fighting corruption

This measure promotes mutual trust and creates an open atmosphere. New tradespeople and small businesses establish themselves and more tourists visit the village. All the households benefit from the improved market environment and disappearance of corruption.

- The households receive added earnings of 2 Afro for every *Crop production*, *Animal production*, and *Off-farm income* card.



Measures of community development bearing this symbol remain valid for several rounds of play. If the community assembly approves such a measure, the game facilitator keeps the corresponding card on his or her table until its validity expires. Afterwards, it is placed on the game board.



### Modernization of the village market

The modernized market attracts new tradespeople and customers.

- Households that have invested in *Retail trade*, *Grain milling*, *Crafts*, or *Processing agricultural products* receive added earnings of **5 Afro** for each of these cards.
- **Community level:** Thanks to the increased business, the community treasury receives **20 Afro** in market taxes (from the game facilitator).
- If the community has already invested in *Road construction and maintenance*, and/or *Public transport*, then the revenues from market taxes increase by **10 Afro** for each card.

### New community hall

The interior minister attends the opening celebration, congratulating the council and the community on their bold decision and their magnificent new community hall.

- Every household brings chickens to the banquet. Each must give the game facilitator 1 *Poultry* card or, if they have none, must pay **10 Afro** to purchase chickens.
- **Community level:** The costs of hosting the minister amount to another **20 Afro** for the whole community.

### Public transport

Thanks to new transportation links, the village market flourishes and it becomes easier to find and keep a job in the city.

- All the households profit from the improved market opportunities and receive **10 Afro**. The sum is increased to **12 Afro** if the community has invested in *Road construction and maintenance*.
- Every household has the chance to acquire a *Job in the city* card for only **20 Afro**.
- **Community level:** The community profits from an added **25 Afro** in revenue from market taxes (from the game facilitator).

### School system

Children and youths acquire knowledge and skills that enable them to contribute to the development of their household and community. This also improves their chances of obtaining paid work.

- Local labourers profit from a construction contract. The card *Crafts* earns **10 Afro** in added profits.
- Households that have already invested in *Education* receive **15 Afro**.
- Every household can obtain a *Job in the city* card for half of the usual investment cost.

### Road construction and maintenance

Thanks to the good road network, a lively exchange of goods and information is established with surrounding communities and the city. Agricultural extension staff and project staff supporting animal production can now provide year-round services (advice, training, vaccinations, etc.) in the community.

- Every household earns a one-time added profit of **20 Afro**.
- **Community level:** If the community already invested in *Modernization of the village market*, an additional **30 Afro** in revenue from market taxes is received by the community treasury (from the game facilitator).

### Drinking water supply

This measure cuts down on cases of diarrhoea and parasites. It reduces the costs associated with doctor visits and medicines, as well as the amount of time women and children must spend retrieving drinking water.

- Every household receives a *Health* card or **30 Afro** if they already have such a card.

### Veterinary services



Vaccinations, medicines, and professional animal health services reduce the mortality rate of livestock. The productivity of livestock keeping increases as a result of improvements in animal health.

- **From now on**, all *Animal production* cards (except *Bees*) earn an added profit of **1 Afro** annually.
- Investments in intensifying animal production pay off. Every *Intensifying animal production* card earns a **one-time** added profit equal to the normal earning rate of the intensification card (e.g. intensified cattle farming = **20 Afro**).