INTRODUCTION
INTRODUCTION
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FASCINATION

LOCATION
HOW TO DEVELOP CONTEXT SENSITIVE

INTENTION & AIM

WHAT? WHY? FOR WHO? HOW?

WHAT? WHY? FOR WHO? HOW?

INTENTION & AIM

WHAT? WHY? FOR WHO? HOW?

INTENTION & AIM

WHAT? WHY? FOR WHO? HOW?
LACK OF COMMUNICATION BETWEEN DEVELOPERS & INHABITANTS

WHAT?

WHY?

FOR WHO?

HOW?

^ = MY OPINION  * = FACT  # = FIELD ACTION RESEARCH  #^ = MY OWN OPINION BASED ON FIELD ACTION RESEARCH  + = MY OPINION BUT THE DECISION IS LEFT FOR THE INHABITANTS
INTERNATIONAL SCENARIO

DEVELOPERS IN RURAL AREA’S

INHABITANTS OF RURAL AREAS

INTENTION & AIM

WHAT?

WHY?

FOR WHO?

HOW?

^ = MY OPINION  * = FACT  # = FIELD ACTION RESEARCH  #^ = MY OWN OPINION BASED ON FIELD ACTION RESEARCH  + = MY OPINION BUT THE DECISION IS LEFT FOR THE INHABITANTS
<table>
<thead>
<tr>
<th>WHAT?</th>
<th>WHY?</th>
<th>FOR WHO?</th>
<th>HOW?</th>
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<tbody>
<tr>
<td>OBSERVING, DIALOGUE &amp; ANALYSIS#</td>
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UNDERSTANDING THE DEVELOPER#
UNDERSTANDING THE INHABITANTS#
REFLECTING ON BOTH PERSPECTIVES

PERSPECTIVES
DEVELOPER
INHABITANT
OWN

^ = MY OPINION
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PROBLEMS

AREA

COMMUNITY

COMPUND

INCREASING POPULATION

INHABITANTS NOT INVOLVED IN DEVELOPMENT

NO CENTRAL WATER SUPPLY

NO SELF FORMED ROADS

BEING REMOVED FROM THE LAND THEY LIVE ON

NO CENTRAL REGULATION BY CHAIRMAN AND COMMUNITY BOARD
PROBLEMS

NO COMMUNITY CENTRE

NOT ENOUGH SPACE TO GROW OWN CROPS

NO SELF FORMED ROADS

NO CENTRAL WATER SUPPLY NEARBY

NO CHURCH IN THE COMMUNITY

INHABITANTS NOT INVOLVED IN DEVELOPMENT
PROBLEMS

HABITAT DWELLING ONE SIZE DOESN'T FIT ALL

COLLECTING FIREWOOD TAKES A LONG TIME

NOT ALLOWED TO CONSTRUCT OWN SHOWER UNITS

CHILDREN AND PARENTS CAN'T SLEEP TOGETHER IN ONE ROOM ANY MORE.

HIGH AMOUNT OF MAINTENANCE ON THE DWELLING

NOT ALLOWED TO OFFER HABITATION TO RELATIVES AND FRIENDS

HOW IS THAT GOING TO FIT?
INTENTION & AIM
PERSPECTIVES
POSITIVE/NEGATIVE
PROBLEMS
GUIDELINES
"INHABITANTS WILL TAKE CARE OF WHAT THEY OWN"
“COOKING OUTSIDE IS PART OF THE CULTURE AND AT THE MOMENT STILL PREFERRED, AN OUTDOOR CHIMNEY SHOULD BE MADE TO PROTECT AGAINST FIRE HAZARDS”
“ADAPTEBILITY AND FLEXIBILITY IN AN KENYAN FAMILY ARE EXTREMELY IMPORTANT. IN NEW DEVELOPMENT INTERIOR WALLS SHOULD BE AVOIDED AS MUCH AS POSSIBLE.”
AIMS

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AREA

COMMUNITY

COMPOUND

IMPROVE COMMUNICATION^
REINSTATE CHAIRMAN AND COMMUNITY BOARD#^
REINSTATE & IMPROVE CONSTRUCTION CULTURE^
IMPROVE COMMUNICATION
COMMUNITY CENTRE

TOTAL CAPACITY 500-750 PEOPLE 2000M2

REGISTRATION OFFICE
CAPACITY 2 PEOPLE 10M2

ELECTRICITY OFFICE
CAPACITY 8M2 SMART GRID SYSTEM (MICRO POWER ECONOMY)

WATER
2 X WELL

SANITATION
30 X TOILETS

CHURCH
500 PEOPLE 1500M2

SOCCER PITCH
HALF SIZE 2700M2

BUSH SHOPS
6 SHOPS

IMPROVE COMMUNICATION

AREA

WHY HOW WHERE PROGRAM WHO ORGANIZATION PLAN PROBLEMS VS. SOLUTIONS
IMPROVE COMMUNICATION

WHY

HOW

WHERE

PROGRAM

WHO

ORGANIZATION

PLAN

PROBLEMS VS. SOLUTIONS

AREA 24000M²

COMMUNITIES

- PLOT SIZE PER FAMILY ≤ 350M²
  - MIN. 10
  - MAX. 15

- AMOUNT OF HORTICULTURE
  - MIN. 700M² PER FAMILY
  - MAX. 1100M² PER FAMILY

- AMOUNT OF COMMUNITIES = 7

AREA

HIGHLY DENSE

COMMUNITY CENTRE
REGISTRATION OFFICE
ELECTRICITY OFFICE
2 WELLS
30 TOILETS
CHURCH
SOCCER PITCH
BUSH SHOPS
<table>
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<tr>
<th>Area</th>
<th>Why</th>
<th>How</th>
<th>Where</th>
<th>Program</th>
<th>Who</th>
<th>Organization</th>
<th>Plan</th>
<th>Problems vs. Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Centre</td>
<td>Registration Office</td>
<td>Electricity Distribution</td>
<td>Water</td>
<td>Sanitation</td>
<td>Church</td>
<td>Soccer Pitch</td>
<td>Bush Shops</td>
<td></td>
</tr>
<tr>
<td>D=Developers*^</td>
<td>H=Inhabitants#</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
CONTROLE REGULATIONS

- All plots are registered on family name and can only be changed by approval of the owners of the farm.
- Every extension made to the dwelling has to be registered.
- Every inhabitant per plot has to be registered.
- The communities are not allowed to have more than 15 plots.
- The communities are not allowed to hold more than 150 people.
REINSTATE COMMUNITY BOARD AND CHAIRMAN^
BOARD MEETING IN THE CENTRE OF THE COMMUNITY

WHERE

COMMUNITY

COMMUNITY

HOW

WHERE

PROGRAM

ORGANIZATION

SCENARIO

PROBLEMS VS. SOLUTIONS
<table>
<thead>
<tr>
<th>Community Centre#</th>
<th>Water#</th>
<th>Roads^</th>
<th>Sanitation*</th>
<th>Board#^</th>
<th>Chairman#^</th>
<th>PLOTS#^</th>
<th>Families*</th>
<th>Horticulture*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity 80 People 250m²</td>
<td>1 Well 1 Reservoir Gutters</td>
<td>Self formed improved by communal labor</td>
<td>6 Toilets</td>
<td>10 People (elected &amp; registrated)</td>
<td>1 Person (elected &amp; registrated)</td>
<td>Seize 350m² Min. 10 Max. 15</td>
<td>Min. 700m² per family Max. 1100m² per family</td>
<td>Set by the developer</td>
</tr>
</tbody>
</table>

^ = My opinion  * = Fact  # = Field action research  #^ = My own opinion based on field action research  + = My opinion but the decision is left for the inhabitants
<table>
<thead>
<tr>
<th>COMMUNITY ACTION PLAN</th>
<th>HOW</th>
<th>WHERE</th>
<th>PROGRAM</th>
<th>ORGANIZATION</th>
<th>SCENARIO</th>
<th>PROBLEMS VS. SOLUTIONS</th>
</tr>
</thead>
</table>

**COMMUNITY**

- **WHERE**
- **HOW**
- **PROGRAM**
- **ORGANIZATION**
- **SCENARIO**
- **PROBLEMS VS. SOLUTIONS**
COMMUNITY

WHERE

HOW

PROGRAM

ORGANIZATION

SCENARIO

PROBLEMS VS. SOLUTIONS
NO CENTRAL REGULATION

INHABITANTS NOT INVOLVED IN DEVELOPMENT

NO COMMUNITY CENTRE
NO CENTRAL WATER SUPPLY NEARBY
NOT ENOUGH SPACE TO GROW OWN CROPS
CONTROLE REGULATIONS

ALL PLOTS ARE REGISTERED ON FAMILY NAME AND CAN ONLY BE CHANGED BY APPROVAL OF THE CHAIRMAN AND COMMUNITY BOARD. THIS NEEDS TO BE CONFIRMED BY THE OWNER.

EVERY EXTENSION MADE TO THE DWELLING HAS TO BE APPROVED BY THE CHAIRMAN AND COMMUNITY BOARD AND WILL NEED TO BE REGISTERED AT THE AREA´S REGISTRATION OFFICE.

EVERY INHABITANT PER PLOT HAS TO BE REGISTERED AT THE AREA´S REGISTRATION OFFICE.

THE CHAIRMAN AND COMMUNITY BOARD HAVE TO MAKE SURE THAT THERE WILL BE NO MORE THAN 15 PLOTS WITH 350M2 PER PLOT.

THE COMMUNITY NEEDS TO MAKE SURE THAT NO MORE THAN 150 PEOPLE ARE LIVING IN THE VILLAGE.
A STABLE EASY & FLEXIBLE SYSTEM BASED ON LOCAL MATERIALS
PLOTS
SIZE 350M2#

DWELLING
SIZE MIN. 25M2#
MAX. 150M2#^

EXTENSIONS
1 = 10M2#
MAX. = 6 (PER FAMILY)#^

FAMILIES
MIN. 10*
MAX. 30*

FAMILY MEMBERS
MIN. 1*
MAX. 10**^

HORTICULTURE
MIN. 600M2 PER FAMILY*
MAX. 1100M2 PER FAMILY^

SANITATION
MIN. 1 TOILET^
MAX. 2 TOILETS^
MIN. 1 SHOWER^
MAX. 2 SHOWERS^
OBSERVING AND ANALYSIS

- **HOUSE/COMPOUND**
- **HOW**
- **PROGRAM**
- **RESEARCH**
- **ORGANIZATION**
- **DESIGN**
- **PROBLEMS VS. SOLUTIONS**

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- **HOUSE/COMPOUND**
  - **Joseph (father 53)**
  - **meeting point: front of plot**
  - **meeting point: boa's place**
  - **meeting point: mama's place**
  - **get lunch**
  - **3 co-farmers**
  - **work**
  - **school**
  - **getting water**
  - **leisure**
  - **farmland**
  - **5 co-workers**
  - **4 friends samuel**
  - **group of friends**
  - **friends of the family**
  - **Martha (8)**
  - **Alis (mother 40)**
  - **Samuel (17)**
  - **mt elgon farm**
  - **chepchoina prim.**
  - **Naomi (15)**
  - **Dorikas (11)**
  - **Elizabeth (10)**
  - **anderssen prim.**
  - **meeting point for the whole village**
  - **waterpoint**
  - **church**
  - **breakfast, supper, lunch**

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- **HOW**
  - **program**
  - **research**
  - **design**
  - **problems vs. solutions**

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- **ORGANIZATION**
  - **work**
  - **school**
  - **getting water**
  - **leisure**

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- **DESIGN**
  - **Monday - Saturday routes**
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  - **Monday - Saturday routes**
  - **Monday - Saturday routes**
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- **PROBLEMS VS. SOLUTIONS**
  - **Monday - Saturday routes**
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  - **Monday - Saturday routes**
  - **Monday - Saturday routes**
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  - **Monday - Saturday routes**
  - **Monday - Saturday routes**
SIZE OF FAMILY
NEW CHIEF MARCHED IN

COMMUNITY MEETINGS

ORGANIZATION

DESIGN

PROBLEMS VS. SOLUTIONS
HOUSE/COMPOUND
HOW
PROGRAM
RESEARCH
ORGANIZATION
DESIGN
PROBLEMS VS. SOLUTIONS
FAMILY COMPOUND AFTER 20/25 YEARS

HOUSE/COMPOUND HOW PROGRAM RESEARCH ORGANIZATION DESIGN PROBLEMS VS. SOLUTIONS
HIGH AMOUNT OF HARDWOOD USED

COLLECTING FIREWOOD TAKES A LONG TIME

NOT ALLOWED TO BUILD OWN DWELLING

HOUSE/COMPOUND HOW PROGRAM RESEARCH ORGANIZATION DESIGN PROBLEMS VS. SOLUTIONS
CURRENT SURFACES DIFFICULT TO CLEAN

HABITAT DWELLING ONE SIZE DOESN’T FIT ALL
CAN'T COOK OUTSIDE

HOUSE/COMPOUND
HOW
PROGRAM
RESEARCH
ORGANIZATION
DESIGN
PROBLEMS VS. SOLUTIONS
HIGH AMOUNT OF MAINTENANCE ON THE DWELLING

HABITAT HOUSES ARE EXPENSIVE

HOUSE/COMPOUND  HOW  PROGRAM  RESEARCH  ORGANIZATION  DESIGN  PROBLEMS VS. SOLUTIONS
LACK OF SANITATION TAKES A LOT OF TIME TO FETCH WATER
ORIENTATION
OPENINGS & THERMAL MASS HEATING
INSULATION & HEATING
THE MODULAR BRICK
BAMBOO
SECTIONS & DETAILS