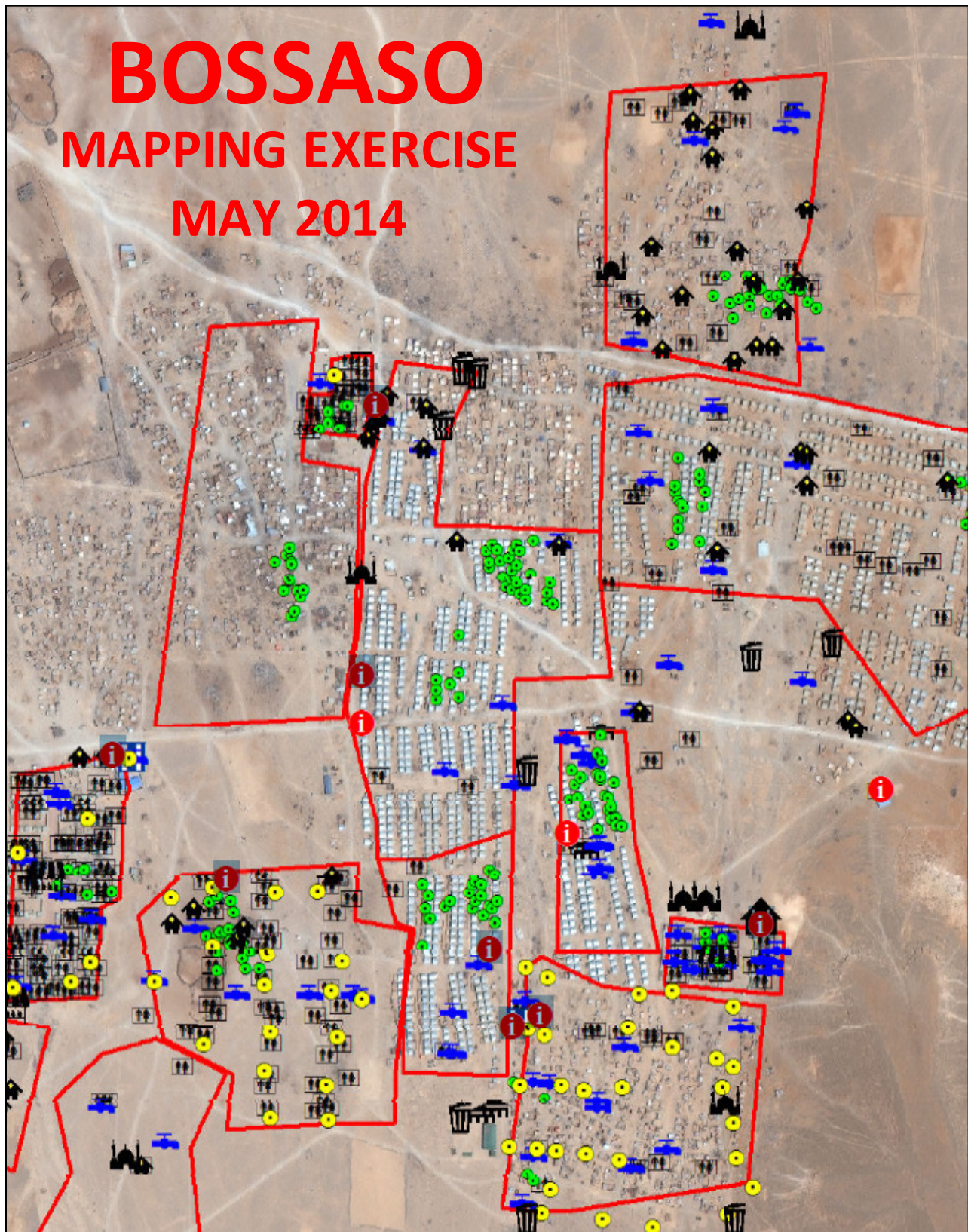


BOSSASO

MAPPING EXERCISE

MAY 2014



INTRODUCTION & OBJECTIVE

Bossaso is the capital city of Bari region in Puntland State of Somalia and the economic capital of Puntland. It has a main sea port and large business centre, providing livelihoods for many people from various parts of Somalia, including IDPs. It is being used as a transit point for mixed migratory movements coming from Southern and Central Somalia, and Ethiopia, who are en-route east to Yemen, as well as west from Somaliland, Ethiopia and Sudan to Libya and other Gulf States. Furthermore, there are approximately 207 non-Somali Mandate refugees and 3,446 asylum seekers registered with UNHCR and the Puntland authorities.

This fact-sheet presents an analysis of primary data collected by DRC, NRC, UNHABITAT, ASOL and CARE during the month of April in BOSSASO. The collection of data was closely supervised by the Shelter Cluster in Somalia.

The objective of the infrastructure mapping exercise is to provide a useful and timely ‘snapshot’ of the IDP¹ settlements² in BOSSASO, with a main aim to **map out the basic services** that IDPs can access in their respective settlements. This factsheet does not aim to provide detailed programmatic information; rather it is designed to share with a broad audience a concise overview of the current situation in this area.

Settlements in Somalia generally are divided into numerous ‘umbrellas’. Each umbrella is made up of multiple IDP settlements. Umbrella leaders are responsible for the oversight and management of the settlements. Each of the settlements generally have an elected leader or ‘gatekeeper’ responsible for multiple IDP settlements and landowner engagement. Settlements in Somalia are often divided by natural land boundaries belonging to one or more landowner.

The report takes into account several key limitations in the collection of data:

- Due to budget restrictions and the short time-scale, general data on each settlement

was collected through a key informant interview (KII).³

- Due to security restrictions and the capacity of field staff, the methodology used for density-estimates was limited to 1 density check per approximately 150 households consisting of 15-20 households per density check.
- Data collected may therefore reflect both IDP and host community needs.
- Other approaches based on probability sampling, including cluster and area sampling⁴, were considered but were not used due to budget restrictions and non-availability of updated Satellite imagery. Emphasis was given to collecting reliable GPS data for the perimeter, density and facility purposes, which resulted in less representative data at the household level.

METHODOLOGY

The aim of the study was to produce quick turnaround ‘baseline data’⁵ that would enable further production of a map of all settlements including a perimeter, a density check and a plot of all facilities accessed by IDPs. The study was conducted on a limited budget and consequently a restricted timeframe. This, combined with security considerations, led the data collection team to adopt a methodology **that was appropriate for the Somalia context and for the scope of this particular exercise**. The following provides an overview of the methodology developed:

- General data is collected through a key-informant interview⁶.
- Perimeter of each settlement: The data-collectors walk around the settlement and capture one in every ten households who

³ Key Informants are categorized as follows IDP community leader, IDP elder, Host community leader, Host community elder, religious leader or a focus group.

⁴ This methodology is often used to conduct rapid needs assessment of affected communities after natural disasters through household questionnaires.

⁵ As the methodology adopted does not provide a basis for a statistical assessment, the results are suggestive and serve as a starting point for improved programming interventions. Nevertheless, as there is a lack of base-line data, this report can be seen as suggestive for base-line purposes.

⁶ Due to budget constraints, it was not possible to use the UNHCR participatory assessment methodology which would recommend the use of different focus group discussions divided according to age and gender.

¹ IDP: Internally Displaced Person

² Majority of the settlements are IDPs but the data collected comprises both IDPs and urban poor.

DATA COLLECTION

resides on the boundary of the settlement. Data in the household survey is collected through direct observation by the data-collector.

- **Density check** (1 per 150 households): The aim of this part of the study is to conduct a quick turnaround household assessment to produce an estimate of population density in the respective settlement.⁷ The surveys were conducted among what was determined to be a natural cluster of households in each settlement as selected in the field on a *non-probability basis* and involved a minimum of 15 households in each cluster.
- **Facilities mapping:** All basic services that IDPs access in their respective settlement are recorded. This includes latrines, water-points, schools, health facilities, kiosks, markets, mosques, garbage collection points, police posts, solar lighting posts and community centres. Most data is collected through direct observation and through meetings with staff available at the facilities or IDPs and host community members living around the facility.

The total study was produced in 2 weeks of field work and to a budget of under \$3,500⁸. The methodology adopted does not provide a basis for a statistical assessment of the resulting density estimate and so p-values and/or confidence intervals could not be prepared. It is therefore strongly recommended that, time and budget permitting, future surveys of this type be conducted on a probability basis to permit the preparation of a full statistical analysis.⁹ Nevertheless, the results are extremely suggestive and serve as a starting point for improved programming interventions.

UNOCHA provided the necessary support for payments of the enumerators and the Cluster members contributed with human resources and transport. The Shelter Cluster ensured a coordination task during the data collection and the compilation of the final report.

The methodology applied for this interagency assessment included two phases of data collection and analysis: secondary data review with the Shelter Cluster partners in BOSSASO and primary data collection. Remote sensing and spatial analysis can be added to this exercise if updated Satellite Imagery could be provided.

Drawing on background information from a secondary data review from key agencies in BOSSASO, the assessment engaged cluster member agencies in the primary data collection. One tool was developed for the primary data collection phase: a settlement infrastructure mapping survey, which included a key informant interview, direct observation surveys for HH data and the facility surveys.

The surveys were all conducted with mobile phones by non-technical staff, engaged through cluster partners in BOSSASO and trained by the Shelter Cluster staff. Before beginning data collection, the assessment officer conducted a one-day training on the tool, methodology and data collection plan for team leaders/enumerators in BOSSASO. The Shelter Cluster secretariat provided feed-back in crucial intervals to the Cluster staff in the field and the team leaders.

Data collection was undertaken by 4 assessment teams, with each team consisting of one team leader and four enumerators responsible for data collection. Assessment teams were comprised of male and female enumerators.¹⁰

Access to the settlements was negotiated in advance through dialogue with the local authority as well as umbrella and settlement leaders, including gatekeepers.

The data was uploaded directly from the mobile phones onto the mFieldwork online platform for analysis by teams based in Nairobi. The assessment databases as well as the methodology and data collection tools are available upon request.

⁷ The household survey results were combined with a map/surface-area of each cluster, as prepared in the field by each enumerator using GPS points, to produce an overall estimate of household density.

⁸ Including training costs, daily allowances for the team leaders/enumerators, but excluding salary costs, flights and other related costs for all Shelter Cluster staff.

¹⁰ This is dependent on the availability of female enumerators within the organisations.

GENERAL DATA

According to data collected during the KII, it was reported that there are 16907 **households** living in 37 settlements, of which 13454 were reported as **IDP households**. An average of 20% households were reported to be from the host community.

Overview table: Settlements and estimated HHs according to KII and secondary data.

37 Settlements	HH estimate
10 Bush	185
100 Bush	973
55 Bush	400
Abowe A	110
Abowe B	748
Absame A	483
Absame B	478
Ajuran A	361
Ajuran B	350
Al Khayr	400
Balaade	300
Banadir BB	261
Banadir town	570
Bariga Bossaso A/B/C	181
Biyo Kulule A	380
Biyo Kulule B	240
Biyokulule town	360
Bulo eley BB	600
Bulo Eley town	385
Bulo Mingis A	750
Bulo qodax	180
Farjano	470
Gribble	180
Hafatal Arab	370
Inji	130
Bulo Mingis B	1700
New Shabelle	470
Raf & Raho	800
Saylada xoolaha	251
Shabelle A	630
Shabelle B	751
Shirkow	325
Suato	640
Tawakal	780
Turjale	370
Ugbaad	70
Hadole	275

In determining the **place of Origin** of the Displaced Population, the KIIs suggest that the

majority of IDPs in BOSSASO are from Lower Shabelle and Woqooyi-Galbeed.

Table 1¹¹: % of place of origin reported in KII

DISTRICT	%
Lower Juba	5%
Middle Juba	%
Gedo	%
Bay / Bakool	16% / 8%
Banaadir	30%
Hiraan / Galgaduud	3% / 3%
Nugaal	%
Mudug	%
Middle Shabelle	16%
Lower Shabelle	32%
Bari	35%
Awdal / Woqooyi-Galbeed	% / 30%
Togdheer / Sanaag / Sool	3% / % / %

When asked about access to **basic services**, 43% of key informants reported access to **medical care** and stated that the closest health facility that IDPs/host community have access to is on average a 28 minute walk from their place of residence. The closest **school** where IDPs have access to is reported to be (on average) a 25 minute walk.

In 35% of the KII, it was reported that the population had access to **nutrition** programmes. 14% of KII reported the existence of **Child Friendly Spaces**.

When determining the **type of settlement**, it was concluded that 43% of IDPs live in a planned¹² settlement while 54% lives in an un-planned settlement.

Table 2: % of different settlement options

Group	%
Living in a planned settlement	43%
Living in an un-planned settlement	54%
Living in a public building	%
Living with host families	3%
Other	0%

When asking the key informant on **past emergencies**, it was reported that 62% reported a fire-outbreak in the past, 41% reported a diseases outbreak and 22% reported flooding in their respective settlement.

¹¹ In all tables and figures, if the data is null, data will be shown as “-” % (blank).

¹² Definition planned settlements: settlements with a minimum level of site planning with fire-breaks and areas for communal space.

PROTECTION & SOLUTIONS

89% of KII reported that they were residing on privately owned land. 38% reported there was No Land Tenure Agreement, while 62% reported a land tenure agreement of more than 2 years. 46% of KII responded that they were currently paying rent, of which 100% pay in cash.

Table 3: different land tenure agreements (LTA)¹³

(LTD=land title deed)	%
No LTA	38%
Informal LTA, clan consent	3%
Individual permanent LTD	3%
Communal permanent LTD	%
2-5 year LTA	24%
5-10 year LTA	24%
>10 year LTA	5%
Don't know	3%

When discussing access to protection services, 86% of KII reported the existence of **persons with specific needs**¹⁴ living in the settlement. 56% of KII reported having refugees in their settlement, while 41% reported migrants. 50% of all KIIs reported to have new arrivals in the last month.

Table 4: % of groups reported in the settlements

Group	%
Refugees	56%
Returnees	41%
Migrants	41%
Do not know	3%

Table 5: % of arrivals reported versus timeframe

Time-period	%
During the last month	50%
1-3 months ago	34%
3-6 months ago	6%

41% of KII reported access to psychological counselling. 35% of KII reported access to legal counselling.

¹³ The categorization of land tenure used will be further defined through a Housing, Land and Property working group under the protection cluster. This survey cannot confirm the authenticity of the LTA or LTDs.

¹⁴ Includes unaccompanied minors, separated children, single-headed families persons with disabilities, etc.

Regarding **evictions**, it was reported through the KII, that 41% had received an eviction notice. In 65% of those cases, the whole settlement was at risk of eviction¹⁵.

100% of settlements reported having committees. 27 out of the 37 settlements reported that the committee addresses security concerns.

Table 7: % of different security concerns addressed by the committee

Security concern	%
GBV	26%
Disputes with host community	41%
Conflict with police	22%
Evictions	44%
Conflict with local militia	22%

5% of KII suggest that the overall security situation in the settlement is “*very bad*” while 14% suggest it is “*very good*”.

Table 7: Security situation in the settlements

Perception	%
Very Bad	5%
Bad	5%
Varies	16%
Good	65%
Very good	14%

When asked about the relationship with the host community, % of KII described the relationship as “*very bad*” and 5% as “*bad*”. However, the fact that IDPs and host community members were often both present during discussions may have skewed the accuracy of these responses.

9% of KII reported they did not know their preferred option for **Durable Solutions**. 66% opted to locally integrate, while 9% preferred to return.

Table 8a: preferred option for durable solution

Local Integration	66%
Return	9%
Resettlement	9%
Do not know	9%
Other	6%

¹⁵ More information is available on protection issues and evictions (available on request).

Table 8b: Main reasons reported during the KII to end their displacement.

Time-period	%
No on-going conflict	44%
Access to improved shelter	3%
Access to health care	%
Access to education	%
Access to markets	3%
Access to land	47%
Other	3%

SHELTER FACTS

The data reflected under the shelter facts are derived from the data collected of the perimeter and density points. The surveys were conducted among what was determined to be a natural cluster of households in each settlement as selected in the field on a non-probability basis and involved a minimum of 15 households in each cluster. Therefore the data of the shelter facts are more suggestive than representative.

In total, 1146 density and perimeter points were taken during the exercise. On average, there are **5.75 persons per household** and each household occupies **1.44 buuls**. In total, 93% of all the structures are fixed with **doors**, of which 93% are **lockable**. In total, 59 % of all shelters are categorized as buuls.

Table 9: Shelter typologies

What	%
Buul with 1 layer	19%
Buul with 2 layers	15%
Buul with >2 layers	25%
Vernacular Buul	%
Tents	%
Timber frame / plastic sheeting	11%
Timber shelter	%
Corrugated Iron Sheet	20%
Solid house	9%

In general, the IDP population has 62% access to **mats**, 54% access to **jerry cans**, 34% access to **blankets** and 92% access to **cooking pots**.

Table 10: Access to NFIs

Time-period	%
Mats	62%
Plastic Sheetting	34%
Blankets	34%
Jerry can	54%
Washbasin	72%
Knives	89%
Cooking pots	92%

WASH FACTS

In total, 708 **latrines** were captured in all settlements and in total 1330 **dropping holes** were reported¹⁶. 77% of latrines were categorized as **functional** and a total of 7681 households were reported using them. On average 7.36 households were sharing each dropping hole and 21% of latrines were segregated male/female.

According to the data collected, 76% of all latrines were categorized as **communal** and 74% were reported as **lockable**. In total, 73% of all latrines are reported to be maintained.

Table 11: Reasons of non-functionality latrines

Time-period	%
Pit is full	70%
Super structure cracked	42%
Security	%
Septic tank not connected	10%
Other	10%
Unknown	7%

In total, 247 **water points** were captured in all settlements, with a total of 106 taps. 20% are connected to the **municipal water system**.

Table 12: Typologies of water points

Time-period	%
Burkad	70%
Water tank	13%
Water-trucking	2%
Water Kiosk	5%
Other piped systems	2%
Protected well w/o pump	2%
Protected well with pump	2%
Unprotected well	%
River	%

¹⁶ All latrines were mapped out, but according to their structures and not according to the dropping holes.

84% of all water points were categorized as **functional**. On average, it was reported that 1619.14 **Somali Shillings** is paid per jerry can.

Table 13: Reasons of non-functionality water points reported

Time-period	%
Storage tanks broken	28%
Taps broken	10%
Water contaminated	3%
Water trucking stopped	33%
Connection to municipal is broken	%
Insecurity	%
Dominated by host comm.	%
Pump broken	%
Unknown	40%
Other	8%

HEALTH FACILITY FACTS

8 **Health facilities** were captured. Of this 75% of them are **functioning** and 63% of health facilities reported to have a **lockable room**. In total, 29 **rooms** were reported in all the health facilities.

Table 14: Typologies of Health Facilities

Typology	%
Health Centres	75%
Primary Health Care Unit	25%
Hospital	%
Other	%

Table 15a: Services available

Services	%
Maternal health services	25%
Vaccination services	25%
Paediatric services	13%
Outpatient services	50%
Inpatient services	13%

Table 15b: Running of the health facility

Services	%
INGO	63%
LNGO	13%
Private	13%
Public	13%

88% of health facilities reported having access to **water**. 38% % of the health facilities reported having access to **electricity**.

In total, there are 5 **nurses**, 4 **community health workers**, 0 **doctors** and 0 **midwives** employed in the health facilities.

EDUCATION FACTS

16 schools were mapped out of which 69% were functioning. In total, 52 classrooms were reported.

The number of schools with access to **latrines** was reported at 69%. Of these 91% are **functioning**, and 82% are **segregated** male/female.

31% of all schools reported being connected to the municipal water system.

Table 14: Access to services in the school

Services at schools	%
Access to municipal water	31%
Rainwater harvesting	%
Access to borehole	%
Access to watertank	31%
Access to shallow well	%
Other	13%
None	100%

In total, 982 amount of **male** students and 725 amount of **female** students are enrolled in the schools. 1412 **IDP children** have access to these schools.

OTHER FACILITIES

In total, 14 **markets** and 115 **kiosks** were mapped out. The markets and kiosks were reported to be '*open after dark*' for respectively 86% and 86%.

In total, 113 **solar lighting posts** were mapped out, with a functionality rate of 95%.

Table 16: Reasons of non-functionality reported¹⁷

Reason	%
Battery broken	53%
Parts stolen	18%
Lamp broken	35%
Other	%

¹⁷ Multiple reasons were provided by water point.

Unknown	35%
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90% of solar posts are reported to improve **night activities** and 91% was reported to improve **the security**. In 50% of all cases, the community committee takes care of the maintenance.

Table 16: Maintenance of solar posts

Who	%
NGO/INGO	46%
Community Committee	50%
Unknown	4%

10 **community centres** were mapped out with 50% having access to latrines. Community support activities were reported at 90%.

Table 17: Activities reported at the com centre

Activity	%
Community support	90%
Nutrition programmes	30%
Learning opportunities	30%
Recreation	10%
Entertainment	%

19 **garbage collection** points in 37 settlements were mapped out. It was reported that 37% of all garbage collection had been done in the past month.

RECOMMENDATIONS¹⁸

This report only comprises 50% of the collected data. The assessment databases as well as the methodology and data collection tools are available upon request, with confidential information removed..

As the HGA has not been completed, this **data needs to be triangulated** and included in the final HGA report.

It is recommended to the **Wash, Education and Health** cluster to look at the functionality of the different wash, health and school facilities.

It is recommended for UNHCR to take into consideration the data collected that relates to

persons with specific needs, protection concerns and durable solutions.

The **Shelter Cluster** should further develop the mapping tools to become more statistically representative of the population. The methodology could also be improved by increasing the representativeness of focus group discussions to ensure that the specific protection needs of different gender and age groups are all accounted for. In addition, IDPs and host community members should always be interviewed separately, as IDPs often cannot freely express their needs and concerns in the presence of gatekeepers and other powerful host community members.

Emphasis should be put on evaluating the impact of transitional and permanent shelter projects in Bossaso in Bariga Bossaso.

It is recommended that the maps produced are **updated on a regular basis** with the support of inter-cluster coordination (For example each eviction should be mapped out).

It is recommended to further continue the efforts in ensuring **improved land tenure**. Forced evictions remain a constant threat to the sustainability of short, mid- and long-term solutions. Strong advocacy towards all stakeholders will be a key activity. There is a strong need to examine the potential usefulness of setting up a separate working group on HLP.

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¹⁸ The methodology adopted does not provide a basis for a statistical assessment of the resulting density estimate and so p-values and/or confidence intervals could not be prepared. Nevertheless, the results are extremely suggestive and serve as a starting point for improved programming interventions in this area.