

Accessibility to Land Administration by Grassroots Stakeholders in Vietnam: Case study of Vinh Long Province

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Key words: access to land; e-governance; land management; land stakeholder perception; land administration; Vietnam

SUMMARY

The trend in modern land administration systems towards e-land administration aims at improving access to land information and services for all stakeholders. Vietnam is no exception in this trend. The government has made large investments to develop the land information and registration system with the strong support from donor-funded land registration projects. One aim of land registration and titling is to build a transparent land administration system. Most investments have focused on the development of a computerised system to improve land administration delivery services. However, there have been some technical and non-technical factors which have become barriers to the implementation of an effective land administration system in the country. This paper presents the evaluation of grassroots stakeholders' accessibility to the land administration, and to the development of a modern land administration system in Vietnam. This research is based on a case study which investigates the challenges for development of a conceptual spatial data infrastructure to increase access to land information by all stakeholders in Vietnam.

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1. INTRODUCTION

Land and geographic information underpins many of the objectives and strategic goals of governments, including natural resource management, environment monitoring, land-use control, climate change adaption, and disaster risk management, as well as socio-economic development. Spatial and non-spatial information about land are important for government in land management and administration decision-making, but also for landholders in making decisions about their land. The role of spatial information to support decision making of local, national, regional and global issues was recognised more than two decades ago at the Rio Summit (1992), and is still central to discussions about the Sustainable Development Goals. Land information has often been described as an element which presents the location of resources and helps people to understand the relationships between real objects and resources. This concept enables the visualisation of resources' locations to support planning and management. Land administration assists in the protection of scarce community resources by allocation of the rights to them, creation of restrictions on them; and establishment of responsibilities of related stakeholders. The utilisation of spatial data and services allows decisions to be made about optimising the use of land and becomes one of the key principles for sustainable management and development (Muggenhuber, 2003; Steudler & Rajabifard, 2012).

Furthermore, the security of land use rights (land tenure), together with information about access to land, has been identified as important for the reduction of poverty (FAO, 2012; Maxwell & Wiebe, 1999; Quizon, 2013; Widman, 2014) and meeting the broader sustainable development goals objectives. The Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security (FAO, 2012) calls on States to recognise, record, and respect all legitimate rights to land. The way that land rights may be recorded is in the formal land administration system. However, it is often stated that approximately 70% of all land rights globally are not recorded in the formal land administration system.

In Vietnam, information on property rights, including land use rights and related land information, has recently been recognised as an important competitive indicator to attracting investors at the provincial and municipal level (Malesky et al., 2015). According to Thu and Perera (2011), access to land is a sensitive issue that may hinder foreign and private investments, as the stability of land use is a factor that multi-national enterprises consider when investing in Vietnam.

Stakeholder understanding of, and participation in, land administration process is an important element in land administration delivery and the provision of land-related services. A transparent land administration system requires active participation by individuals, households and organisations to increase access to land information. As the largest user, grassroots stakeholder's understanding and participation are critical when assessing the development, implementation, and maintenance of land administration.

Since the late 1990s, the Government of Vietnam has made large investments to develop a modern land administration system including land registration and the issuance of Land Use Right Certificates (LURCs) with the strong support from international donors such as Australia, Sweden, ABD, and The World Bank Group (World Bank, 2010). Such a modern transparent system will contribute a good governance and strengthen the trust of local people in land services and activities. The institutional arrangements have been improved by separating the state administration organisations and public service provision units, together with the establishment of a unified and decentralised system of land administration at all levels over the last decade (Vietnam National Assembly, 2003; World Bank, 2009). However, there has been a considerable gap between the land policy and its practical implementation to ensure the access to land by stakeholders. For instance, the standard requirements for land registration offices have not yet been developed and applied, while the procedures for the land titling process have retained complexity which may encourage corruption in the land sector (Embassy of Denmark, Embassy of Sweden, & World Bank, 2011).

There has been an estimated \$60 million of investments per year for cadastral survey and mapping, including procurement of surveying equipment and technical services (World Bank, 2011). However, several reviews have reported limitations in the land sector in Vietnam, especially in term of ensuring and increasing efficient access to land information by stakeholders. As a consequence, over the last few years the land sector in Vietnam has been rated in the top three sectors for corruption (DEPOCEN, World Bank, UKAID, & VTP, 2014; Martini, 2012; World Bank, 2010; World Bank & Government Inspectorate of Vietnam, 2013). There have been both technical and non-technical issues that have caused problems. In particular, land administration related services and activities, and accessibility to land information for land users, needs further development.

This paper presents the results of one element of a PhD research project being undertaken to develop a conceptual spatial data infrastructure model for land administration system (SDI Land) in Vietnam with a case study of Vinh Long Province (hereinafter called Vinh Long). The model aims to increase access to land information by all stakeholders. This paper considers the information needs of one group of these stakeholders - those at grassroots level.

This research employed a multi-method setting using a case study strategy that includes both quantitative and qualitative methods. The qualitative methods involved interviews of related stakeholders, including managerial officials, policy makers at the central ministries, and technical and managerial staff at provincial level, international organisations, donors, private and academia sector as well as community members through personal interviews and focus group discussions. The quantitative methods included questionnaires about people's attitudes, thoughts, and evaluations of engaging with land registration services at the government

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agencies; the difficulties encountered, and deficiencies and expectations in accessing land information.

The grassroots stakeholder consultation was conducted in Vietnam in late 2013. Three focus group discussion meetings and 160 individual and household questionnaire survey were conducted in Vinh Long. The selection of participants was made randomly by third parties to ensure the nature of collected data and the voluntary participations. However, there was a balance in both gender and cultural background for the participants of focus group discussions and questionnaires at the grassroots level. As the research involved human participants, the ethical issues were considered and approved to conform to the Australian National Statement on Ethical Conduct in Human Research before the fieldwork conduction. The data collection was in Vietnamese language and was then analysed by computer-aid data analysis software packages, including *MS. Excel* and *QSR NVivo*.

2. VIETNAM LAND ADMINISTRATION

2.1 Land Tenure in Vietnam

In Vietnam, land belongs to whole population, managed by the State and while private ownership of land is not recognized in Vietnam, land use rights can be issued (Vietnam National Assembly, 2013a). The State recognises and protects the land use rights of land users (Vietnam National Assembly, 2013b). In this context, as a special property, the meaning of the term land use right in Vietnam is not significantly different to the meaning of land ownership. In other words, it is the most secure form of tenure for landholders in Vietnam. In certain areas LURCs are allocated to individuals, households, organisations, and communities (hereinafter called land users) to use stably. No LURCs are issued for land on which land use rights have not been allocated, and this land remains under the control of the State.

LURCs are essentially usufruct rights, meaning that the land users may use land, but cannot own the land. Land use rights entitle land users to exchange, transfer, inherit, mortgage, lease, sub-lease, bequeath and donate land use rights, guarantee and contribute capital using land use rights (Vietnam National Assembly, 2003).

According to data from the General Department of Land Administration (GDLA), as of 2013, about 90% of agricultural land area, 75% of urban residential land area, 90% of rural residential land area, and 70% of forestland area had been issued LURCs. However, cadastral records, including cadastral maps, are largely incomplete, inaccurate, and out-of-date; and thus cannot support the needs of land related services delivery. By the end of 2014, there has been only about 20% of LURCs issued with the names of both spouses as promoted and regulated by land laws and policies. The system itself is cumbersome and inefficient, lacks transparency, and has not yet provided the end-users with quality services. As a result, it is difficult and costly to conduct land transactions or to use LURCs for mortgaging to access to credits.

2.2 Vietnam's Decentralised Land Administration System

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Vietnam’s land policies are administered through a hierarchy of authorities at the central level, sixty-three provinces and cities, more than seven hundred districts and over ten thousand communal administrative units (including communes, wards and towns). The Vietnam land administration system is a multi-level and decentralised system.

In 2009, GDLA was re-established under the Ministry of Natural Resources and Environment (MONRE) and has become the primary central level body in the country for land administration activities. GDLA is responsible for advocating with the other government agencies for necessary laws to reform public land, land registration and other land regulations for more efficient resource management system in the country. The activities of GDLA focus on state administration of land, directing and organising inspections of land nationwide and directing the surveying, measurement, drawing and management of cadastral maps, land use status maps and land use planning maps nationwide. GDLA is based in Hanoi.

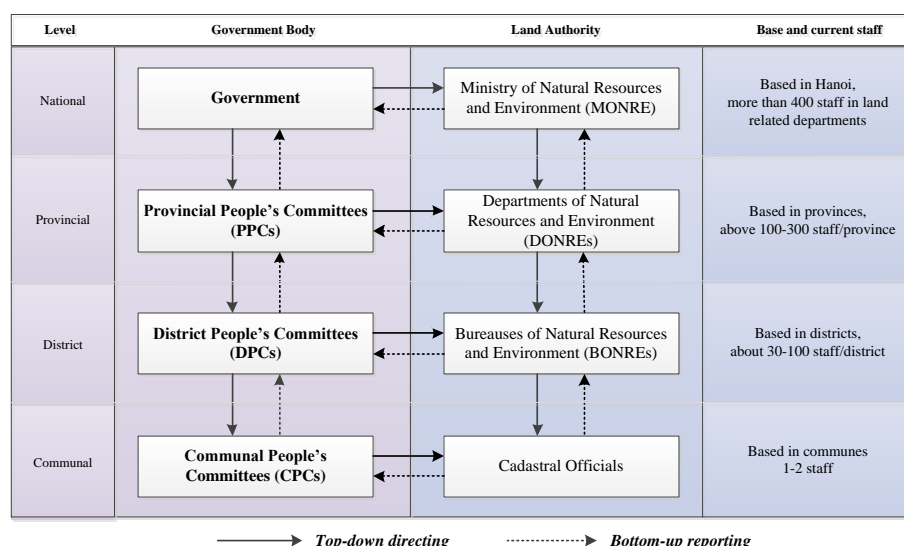


Figure 1: Vietnam Decentralised Land Administration System

At the provincial and district levels, the natural resources departments as well as the Commune People’s Committees, supported by cadastral officials are responsible for land management within the administrative boundaries. Respectively, the upper level authorities provide guidelines to lower ones. Staff and organisations belong to respective people’s committees at the same level (Figure 1). Most of the land administration activities happen at the local levels.

3. VINH LONG CASE STUDY

3.1 Land Tenure Profile in Vinh Long

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Located in the Mekong Delta region, lying between two major rivers in the area (Figure 2), Vinh Long plays an important role for agricultural production and is well known for fishing in the south of Vietnam. Like other traditional agricultural provinces, land is important to people for both residential and farming purposes. Vinh Long is the smallest province covering an area of approximately 1,500 km² and has a population of 1.04 million¹ over approximately 265,000 households with a density of 700 people /km². The Province is subdivided into eight district-level administrative units including six districts, a district-level town, and a city; 109 communal-level administrative units, including 94 communes, 5 communal-level towns, and 10 wards.

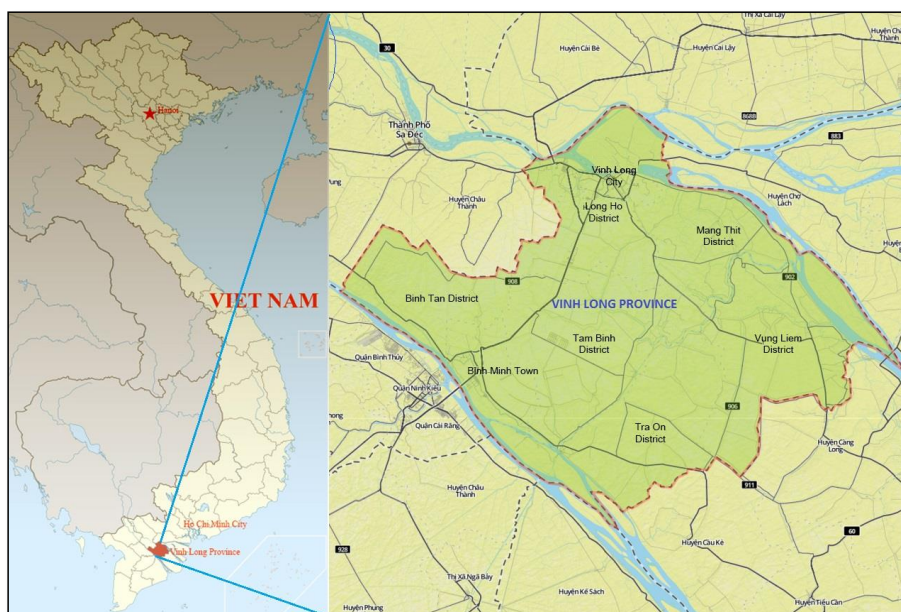


Figure 2: Vietnam and Vinh Long Province in the south of Vietnam
(non-scale maps; extracted from www.vietbando.vn)

Vinh Long was one of nine provinces covered by a World Bank funded project (VLAP) implemented during 2009-2013, and extended and closed by end of 2015. The Province was considered as a lead province in the project implementation with good progress, strong commitments of provincial leadership, and the active participation of land users during the project implementation. The figure of land tenure in the Province as of 2014 is presented in Table 1.

Table 1: Number of LURCs allocated of Vinh Long (source: Provincial Report to MONRE, 2015)

¹ Source: <http://www.vinhlong.gov.vn/Default.aspx?tabid=1255> accessed on August 21, 2015

	Individuals and households			Organisations		
	Number	Area (ha)	Parcels	Number	Area (ha)	Parcels
Total	263,948	124,286	450,000	2,604	3,114	7,500
With LURCs	252,789	120,973	400,780	2,309	2,946	6,166
Percentage	96%	97%	89%	89%	95%	82%

The land administration system of Vinh Long is similar to the other provinces with the DONRE belonging to PPC and nine BONREs at district level. At the provincial and district levels there are land registration offices organised to deal with all land administration activities related to grassroots stakeholders. Cadastral officials at communal level assist with the CPCs and BONREs land management related activities.

3.2 Selection of Case Study Districts

Three communal administrative units were selected including *Ward 2* of Vinh Long City, *Trung Thanh Tay* and *Trung Hiep* communes of Vung Liem District to represent for all three urban, peri-urban and rural communities.

The selection was based on number of criteria including technical, professional and organisational development as well as academia collaboration of the provincial leaders in the land sector. Demographical distribution and geographical range were also taken into consideration of the case study areas. Other criteria included the availability of as many land services as possible, the commitment of provincial leaders and the accessibility of investigators. Land tenure profiles of the three communes were similar to the whole province as shown in Table 1.

These following sections present the results of the interviews, focus group discussions and questionnaires and reflect the accessibility of grassroots stakeholders to land administration related information and services through a variety of research methods. These sections firstly discuss the understandings of local people on land use rights and their importance to them then present the findings on the barriers and issues of land related services and the recommendations on the land administration before analysing the accessibility to land information at grassroots level.

4. STAKEHOLDER AWARENESS OF LAND USE RIGHTS

4.1 Understandings of Land Use Rights

Of the 122 questionnaires responses, 104 individuals and households (equivalent to 84.6% of participants) had been granted LURCs. This is a large number in comparison with the average percentage (72%) reported by provinces to the MONRE (World Bank, 2010) and the figure as of 2013 reported by GDLA. However, only 69 (equivalent to 56.6%) are residential LURCs.

Table 2. How do you understand your land use rights?

Level of understanding	None	Poor	Sufficient	Good	Excellent	Total
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Number of respondents	2	24	75	16	5	122
Percentage (%)	2%	20%	61%	13%	4%	100%
<i>With LURCs</i>	2	17	67	13	5	104
<i>Without LURCs</i>	0	7	8	3	0	18
<i>Men</i>	2	13	40	10	4	69
<i>Women</i>	0	11	35	6	1	53

Of the 122 households questioned, 75 (about 61%) indicated that they sufficiently understand what their land use rights are (Table 2). However, the majority of participants of the focus group discussions considered that they are not really good at understanding the land use rights mentioned in the Law on Land and related legal documents due to the complicated technical interpretation and understandings.

There was little difference in understanding of land use rights between men and women in relation to their understanding of their rights to land (including restrictions and responsibilities) are shown in Table 2. Slightly fewer men (78.26%) stated that their understanding of land use rights were at the level of competence or higher, compared to women (79.25%). These results reflected the benefits to women of public awareness campaigns undertaken under VLAP during the last few years. Also, the understanding of land users did not differ depending on whether they had been granted or not granted LURCs.

In the urban area focus group discussions, about 80% of attendees perceived that they understood their land use rights sufficiently. Some of them could list the rights of land users set by the law; others could do this in languages that differentiated terms from the language used in the legal documents. They could also provide examples for others to understand and match the ideas. Even though individuals were aware that they could mortgage their LURCs to access to loans from the commercial banks, they still were confused about the procedures and the credit thresholds for borrowing. Although, the majority of attendees were unaware the value of their land, a few of them had mortgaged their LURCs for access to credit. In most cases, land users did not understand the procedures of land valuation. Borrowers simply believed the commercial banks had applied the right prices set by the government. The observation and discussion with local people suggested that due to the limited size of loans and the complicated procedures, many land users, especially the farmers hesitated contacting the commercial banks to access credit. Disregarding high interest rates and risks, farmers still seek “black credits”.

4.2 The Importance of Land Use Rights

Table 3 presents the results of questionnaire on the importance of land use rights. Participants were asked to score the relative importance to them of six property rights related to their land use rights – as given by the Land Law 2003 (Vietnam National Assembly, 2003). Overall, 81 respondents (66.4%) indicated that the land use rights are important or very important, whilst only 13.1% of respondents addressing that the land use rights are either very unimportant or unimportant. The rest 20.5% of respondents perceived that the land use rights are neutral (neither important nor unimportant) to them.

Table 3: The importance of land use rights

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How land use rights are important to you? (<i>from</i> (1) very unimportant <i>to</i> (5) very important)			
Rights set by the Law on Land	Not important or unimportant	Neutral	Important or very important
Inheriting land use right	7	12	103
Exchanging land use right	7	23	92
Mortgaging land use right	11	24	87
Transferring land use right	7	30	85
Guaranteeing land use right	31	26	65
Land use rights leasing, sub-leasing	30	34	58
Average (%)	16 (13.1%)	25 (20.5%)	81 (66.4%)

Within the six fundamental property rights of land users listed above, inheritance of the land use right was evaluated as the most important right by over 103 (84.4%) participants. The next most important was the exchange of land use right by 92 (75.4%) respondents. Additionally, the field observation suggested that the exchange of land use right supports land users, particularly farmers, to exchange land use for expanding the farming investments.

Both guaranteeing land use right, and leasing or sub-leasing of land use rights, were at the bottom of the table of property rights with an average of just over 50% of respondents suggested they were important. In general, the results are relatively consistent with the output of focus group discussions at the three communes. Despite the differences of locations, communities, and participants' backgrounds, the majority of respondents recognised the significant importance of land use rights to them. The results of focus group discussions could be summarised as follows:

- Inheritance of land use rights was important to grassroots individuals and households since all twenty-seven respondents stated that the inheritance of land use right is an essential right to land users;
- Mortgage and exchange of land use rights is of great significance to local land users. The majority of respondents (72%) in the focus group discussion commented that the mortgage of land use right was a basic important right despite only few of them having accessed credit by through mortgaging their land use right. More than half of the respondents (56%) in peri-urban and rural areas indicated that exchanging the land use right encouraged them to use larger land parcels for farming developments;
- One respondent shared their experience of using lease or sub-lease of land use rights. No respondent mentioned that guaranteeing the land use right would bring benefits to them. Nevertheless, there was misunderstanding about the two terms 'guaranteeing' and 'mortgaging' the land use right, which was identified when the participants discussed the ease of accessing credit by using LURCs.

In summary, the above results have shown the importance of land use rights as well as the benefits of issuing land use rights certificates to land users. However, a small number of land users successfully accessed credit by mortgaging the land use right. Land users, especially in

rural areas were still unwilling to, or faced difficulty in, dealing with commercial banks for loans.

5. ACCESSIBILITY TO LAND ADMINISTRATION SERVICES

5.1 Barriers to Land Registration Service Participation

This section presents and discusses the experiences of land users participating in land registration services. The results are presented in Table 4.

Table 4: Barriers for participating in land registration services

	What would be the biggest barrier to land registration services, if you were:		Average	Percentage
	to sell land	to buy land		
Administrative procedures	34	45	39.5	32.92%
Land use planning information	22	31	26.5	22.08%
High fees, charges and taxes	23	28	25.5	21.25%
Land value information	27	12	19.5	16.25%
Time-consuming	13	4	8.5	7.08%
Other factor	1	0	0.5	0.42%
Total ²	120	120	120	100.00%

Approximately one-third (32.92%) of respondents indicated that administrative procedures were the largest barrier for them to do land registration. The next largest barrier was considered to be limitations in land use planning information with an average of 22.08% of respondents. However, there was a difference in the responses for selling and buying land. While 22.13% of sellers revealed the limitations in land value information being the second largest factor; 25.41% of buyers acknowledged the difficulty in accessing land use planning, which relates to land use purpose, land recovery and acquisition, and land compensation being the second impact for them to decide.

Time taken to process the service was not considered as a barrier for the majority of sellers and buyers. Of the responses, just thirteen sellers and four buyers stated that time-consumption was the factor in completion of land registration. These figure made an average of 7.08% of responses.

Generally, the above statistics are consistent with the outputs of focus group discussions. However, there were some differences between rural and urban communities. Attendees living in urban and peri-urban areas were most concerned about the limitation of land use planning information, citizens living in rural areas were more worried about the fees, charges and taxes. There were 34 comments from participants regarding the barriers on land registration services at the focus group discussions. The results were summarised and could be categorized into two groups of *provision of land information* and *land policy practices* at grassroots level:

- More than two-third of respondents (73.33%) stated that the limitation and lack of land use planning information and documents affected their decisions for transferring land and

² There were 120 participants answering these two questions.

involving land registration services. The related ideas repeated quite often, 32.35% of responses, overall;

Kommenterede [DM1]: Not sure what this means.

- The land-related fees, charges and taxes were of concern to the attendees at the rural area focus group discussions. All respondents indicated these fees, charges and taxes were still particularly high and became the biggest barrier (57% of responses from rural area focus group discussions in particular, or 26.47% of responses from all three meetings overall). Financial reasons were also mentioned by 19% and 18% of respondents at urban area, and peri-urban area focus group discussions, respectively;
- One-third of respondents mentioned the difficulty of accessing land value information for related land transactions, including selling, buying and mortgaging. Those people considered that this limitation was the most difficult for them to sell and buy land at the best prices. This difficulty was mentioned by 14.71% of respondents;
- There was an similar response regarding land related administrative procedures at the focus group discussions. Overall, 17.65% of responses stating that the administrative issues were significant reasons preventing them from participation in land registration process. The figures were similar at the three meetings, all between 17-20% of responses.
- At the focus group discussions, only one respondent mentioned time consumption in land administration services as a big issue. However, some other attendees agreed that the land registration services took longer time than the regulation, especially in applying for LURCs.

Limitations exist in the dissemination of land use planning information as people interviewed perceived that they had to directly or indirectly contact cadastral officers to access land use planning information.

Transferring land informally:

Approximately 12% of participants indicated that they had informally transferred land over three communes. Due to the only small number of respondents, the results are not conclusive. However, they provide some indications of the factors in informal land transactions. The reasons varied and came from financial issues, administrative procedures, timing, and legal status.

Table 5: The reason for transferring land informally

Have you transferred your land informally? If Yes, why?		
Reasons	Number of responses	Percentage
Complicated administrative procedures	9	69%
No land titles (illegal status)	3	23%
High fees (financial issues)	2	15%
Time-consuming (timing)	1	8%

Of the participants who had transferred land informally, 69% stated that the complicated administrative procedures as the main barrier, while legal situation was the reason not doing registration of the 23%. According to the Land Law, land users could only transfer land officially providing that the land parcels have been issued LURCs (Vietnam National Accessibility to Land Administration by Grassroots Stakeholders in Vietnam: Case study of Vinh Long Province (7992) 11/21

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Assembly, 2003). Time consumption was not accounted as an issue to people as only one respondent accounted this as a reason (Table 5).

There was also discussion on transferring rural land informally in focus group discussions and it was suggested that if the land users occupy and use land over a period of time, especially for agricultural production in areas without new land planning projects, they do not really need LURCs.

5.2 Support provided by Local Land Administration Authorities

Individuals and households were asked to evaluate the support of local land administration authorities in specific land related services and activities, included exchanging, transferring, inheriting, mortgaging, leasing, sub-leasing, and guaranteeing land use rights, and two common activities, applying for LURCs and land subdivisions.

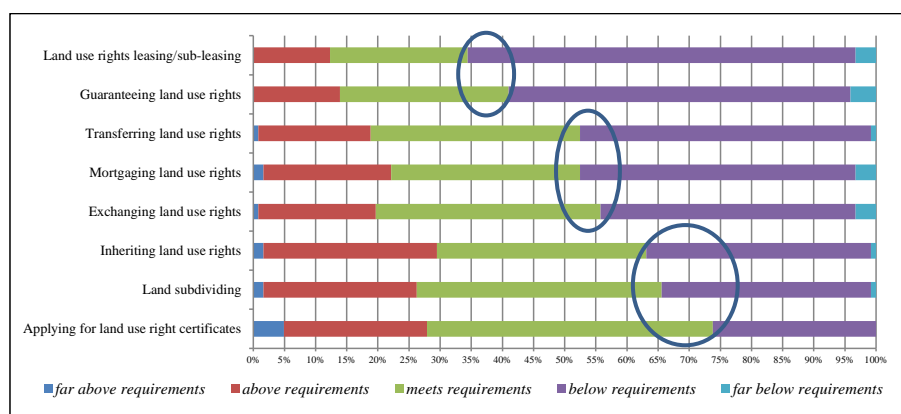


Figure 3: The evaluation of support of government authorities and staff

Figure 3 describes the comparison of the satisfaction of land users to the support of local land authorities and officers in different services and activities. Overall, 55% of respondents were satisfied with land administration services and activities. People evaluated highly (74% and 66% acceptable) the support of local staff for applying for LURCs and land subdivisions. . While the LURCs application activities establish the initial legal framework to implement other rights under land related services, the subdivisions of land parcels occur more often in the rural and peri-urban areas due to the expansions of families and urbanization process.

These results could be categorised into three groups. The most common services and activities (an average of 67.5%) including inheritance of land use rights (63%), subdivision of land parcels, and application for LURCs received the significant support from local authorities and staff (74%). The less common services (an average of 53.5%), including transfer, exchange, and mortgage land use rights received the acceptable support of local government offices such as land registration offices, cadastral officers, and financial institutions, as well as heads of

villages, ranging between 52% and 56%. The service relating to less common processes (an average of 37.7%), including guarantee by land use right and lease, sub-lease of land use right, received the lowest support of government agencies, with about 30% to 40% of respondents satisfied.

On the other hand, there were 45% of respondents dissatisfied with the delivery of land related services of local related authorities and officers. Many evaluated the support of the local related staff and authorities being below requirements (43%), and even far below their requirements by the rest 2%.

Table 6: The support of government authorities and staff by commune

Land services and activities	Average score by community (out of 5)			
	<i>Urban</i>	<i>Peri-urban</i>	<i>Rural</i>	<i>Average</i>
Applying for LURCs	3.00	3.57	2.72	3.07
Land subdividing	2.58	3.33	3.19	2.93
Inheriting land use right	2.48	3.53	3.22	2.93
Exchanging land use right	2.55	2.97	2.84	2.73
Mortgaging land use right	2.45	3.33	2.69	2.73
Transferring land use right	2.53	2.93	2.84	2.71
Guaranteeing land use right	2.20	2.70	2.91	2.51
Leasing, sub-leasing land use right	2.32	2.37	2.72	2.43
<i>Average by communities</i>	2.51	3.09	2.89	2.76

The results of questions on the quality of support provided by local government authorities and staff were categorised by commune as shown in Table 6. The scores were computed based on the participants' responses under a Likert scale ranging from 'very poor' to 'very good'. Each choice is given a numerical value and a mean figure for all the responses is later computed. For example, in this case, a score of 1 relates to 'very poor', 2 means 'poor', 3 means 'fair', 4 means 'good', and 5 means 'very good' in support of government authorities and staff.

Overall, the support provided by local government authorities and staff in rural and peri-urban areas were evaluated higher than for the urban area, except for the process of 'applying for LURCs' in the rural area. 'Applying for LURCs' received the highest score in both urban (3.00) and peri-urban (3.57) areas, with the support of government authorities and staff for this service being evaluated as between fair and good. On average, this service also received the best evaluation of stakeholders across all three communities with an average score of 3.07. The lowest evaluation was for the service 'guaranteeing land use right services' in urban area (2.20) with the service receiving the lowest score across all communes was 'support for leasing, sub-leasing land use right' (2.43).

These results were confirmed, and the differences partly explained, in the focus group discussions. In total, there were sixty comments related to the support of local authorities and government staff from the attendees. These can be summarised as follows:

- The support of local authorities and government staff was evaluated highest for activities related to the ‘application for LURCs’. There had been more than one-third of participants (22 out of 60, equivalent to 37%) presented and shared experiences on the support of local authorities and staff regarding the activities for application for LURCs. Of these, 73% provided positive comments. This was the largest number of comments on this topic;
- The support for conducting ‘land subdivision’ and ‘inheritance of land use rights’ were positively evaluated by 18% and 13% of participants respectively;
- The support for activities on ‘lease and sub-lease of land use rights’ received just only one comment. This suggested that the activities on leasing and subleasing land use rights at local level were considered straightforward.

The urban focus group discussions confirmed that the support of government authorities and staff for ‘applying for LURCs’ was the highest. The three focus group discussions also confirmed that the lowest level of support was considered to be for the sub-leasing services which was consistent with the result presented in Table 3.

6. ACCESSIBILITY TO LAND INFORMATION

6.1 The Importance of Land Information

Of 122 participants, 96% indicated that land-related information is important to them. Of these 73% stated that the land related information is essential in all aspects, including legal and policy information, technical information, and administrative procedure information.

The information about LURCs was evaluated as the most important to the land users, especially in rural and peri-urban areas with the scores of 4.91 and 4.73 respectively (between ‘important’ and ‘very important’). Information about LURCs includes land titling implementation plans, administrative procedures, documents, and supporting documents needed for applying for LURCs. On the other hand, cadastral maps and sketches and information on land mortgage were evaluated at the lowest levels of importance to land users with the scores of 3.82 and 3.78, respectively – between ‘neutral’ and ‘important’ (Table 7).

Table 7: What kind of information related to land is the most important to land users?

Land related information	Urban community	Peri-urban community	Rural community	Average
Land use right certificates	4.28	4.73	4.91	4.64
Land law and policies	4.20	4.67	4.28	4.38
Land use planning	4.23	4.37	4.38	4.33
Administrative procedures	4.03	4.53	4.56	4.38
Legal services related to land	3.88	4.60	4.38	4.29
Land value information	4.10	3.83	4.38	4.10
Cadastral (parcel) maps	3.88	3.80	3.78	3.82
Land mortgage	3.70	3.83	3.81	3.78

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Note: A score of 1 relates to “not-important”, 2 means “little importance”, 3 means “neutral”, 4 means “important”, and 5 means “very important” in support of government authorities and staff.

The related topics were discussed in all three focus group discussions which found that these results reflected partly the demands and understandings of local individuals and households on land information. Participants, especially for those who living in rural and peri-urban areas expressed the importance of land value information and land use planning. The discussion suggested that more than half of responses at the rural focus group discussion and about 70% of responses at the peri-urban focus group discussion considered this information most important to them for making decisions on land use. Participants also considered that access to land plans, including land use planning was difficult. Land value information is published under an administrative decision of a committee without representing this information on valuation maps. This lacks transparency and makes it hard for citizens to access information on land values.

A minority of participants required cadastral maps and sketches as well as land mortgage information. People living in areas covered by the VLAP were provided technical land parcel sketches by surveyors during the surveying period for verifying information related such as names, boundary lengths, and parcel dimensions. They were asked to provide feedback on the results of surveying for revision, and most focused on land boundary marking and adjudication. This is one way the surveyors and government agencies mobilising people to participate in land data collection. However, individuals can often only verify information such as names, addresses, and ID numbers. It is hard to verify the accuracy of the parcel dimensions and areas. Nevertheless, this is a good process for correction of data from the local stakeholders.

6.2 Accessibility of Land Information

The above section presented the evaluation of land users at grassroots level on the importance of land information. The results show that, despite the different responses, individuals and households have significant demand for land related information. This section presents the accessibility to land information and land documents by stakeholders and also discusses the barriers that individuals and household faced (as shown in Table 8).

Table 8: The accessibility of land related information

Land related information	Difficult to access	Neutral	Easy to access	Average
Administrative procedures	20 (16%)	38 (31%)	64 (52%)	<i>Easy</i>
Land use right certificates	19 (15%)	39 (31%)	64 (52%)	<i>Easy</i>
Legal services related to land	32 (26%)	47 (38%)	43 (35%)	<i>Neutral</i>
Land law and policies	51 (41%)	38 (31%)	33 (27%)	<i>Difficult</i>

Access to land-related ‘administrative procedures’ and ‘LURCs’ were easier than the other types of information. Over half of participants (52%) acknowledged it was easy to access these two basic types of information related to land. On the other hand, people at grassroots level faced difficulty accessing information on ‘land law and policies’.

Table 9: Accessibility of land documents

How easy is it for you to access land related documents? <i>from</i> very difficult (1) <i>to</i> very easy (5)						
Land documents	very difficult	difficult	neutral	easy	very easy	Average
LURCs	9	11	24	33	45	3.77 (easy)
Cadastral maps, sketches	25	33	39	15	10	2.61 (neutral)
Land use planning	23	22	40	23	14	2.86 (neutral)
Land value information	32	21	33	15	21	2.77 (neutral)

The results in Table 9 show that respondents found the ‘LURCs’ the most accessible while the other documents are neither easy or difficult to access.

Based on the results of the focus group discussions and questionnaire responses, information dissemination at the grassroots levels is still limited. Of the land related information, access to ‘LURCs information’ was evaluated as the easiest with the score of 3.54 out of 5. Approximately 58.2% of participants noted that access to land related information, from administrative procedures to related ‘law and policies’ was difficult.

Kommenterede [DM2]: This seems to repeat the paragraph before Table 9.

The result was confirmed by the outputs of focus group discussion meetings based on the responses to the question about the difficulties people experienced when participating in the government land registration process. According to the discussion, about half of attendees agreed that the best way to access land related information for them was to approach the local authority officers. Some attendees stated that they could access information by visiting public display sites of local offices. The information they could find included the list of qualified and disqualified applications for LURCs; information on land fees and tax; information on compensation, support and re-settlement plans (in some specific projects containing land recovery).

Participants were also asked about the accessibility of land documents including: LURCs, cadastral maps and parcel sketches, land use planning maps and documents, and land valuation information. The result shows that the accessibility to LURCs was evaluated as the easiest. This is consistent with the results in Table 9.

Surprisingly, access to ‘cadastral maps and parcel sketches’ and ‘land use planning information’ were more difficult to access despite the related legislation listing these as mandatory information needed to be publicly accessed by stakeholders (Vietnam National Assembly, 2003).

At the focus group discussions, almost all participants revealed that it was easy to find information about the LURCs. However, the information about the ‘land use planning’ and the ‘legal dimensions’ (through the maps) of land parcels was hard to access. Some participants advised that they found it difficult to get enough land use planning information and documents when they want to buy more land.

Access to information and documents is an important indicator for reducing rural poverty in developing countries (Binswanger-Mkhize, Bourguignon, & Brink, 2009). Experiences from grassroots levels show that the land disputes are often about land boundaries, and disputes can be reduced through the cadastral survey, mapping and adjudication process with the

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participation of land users and providing a clear mechanism for accessing land related information and documents.

Limitations for accessing land information

An average of 57% of participants indicated that they faced difficulty in accessing land related information, mostly because of the information was unavailable or out of date (both 71%). Complicated terminology and high fee rates for accessing information were also barriers with 57% of participants (Table 10).

Table 10: The difficulties in accessing land information

Do you face any of these following difficulties in accessing land information?				
Factors	Yes	%	No	%
Information not available	87	71%	35	29%
Out of date information	87	71%	35	29%
Terminology is complicated	70	57%	52	43%
High fee required	70	57%	52	43%
Identity required	39	32%	83	68%
Permission required	63	52%	59	48%
Average		56.8%		43.2%

Even though the communal offices are responsible to make information publicity available, landholders still face difficulty in all of aspects of accessing land information: *quality* (out of date, complicated terminology), *quantity* (not available), *timing* (out of date, not available) and *financial* (high fees) manners.

The manual methods required to access land information and documents and the roles of individuals have reduced the level of accessibility of citizens to land information. This is one of the aims in the development of an SDI Land proposed under the current research.

Dissemination of land information at grassroots level

There was uneven result among the methods of providing information for citizens, including mass media such as television, radio, and newspapers (both print and online versions) to local measurement including village meetings, poster and leaflet. Table 11 compared the evaluation of individuals on the effectiveness of the dissemination of land information to citizens.

Surprisingly, the most difficult way to access land information was through the Internet. Approximately half (47%) of the participants indicated that it was hard to access land information by searching on the Internet. Only 18% responded that they could easily do this via the high-tech and speedy search engines. The figure again reflected the weak dissemination of information about laws and regulations over the Internet. According to the Law on Land, Law on Urban Planning, the publication of information on land, such as urban planning (both draft and approval ones) needed to be made mandatory on the Internet through the websites of provincial people's committees or relevant organisations. This result consisted with the data

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showed in Table 10 with 71% of participants stating that out of date or unavailable information made them unable to access suitable land information.

Table 11: How local authorities bring land information to grassroots citizens

How easy is it for you to access land related information? from <i>very difficult (1)</i> to <i>very easy (5)</i>						
Source of information	very difficult	difficult	neutral	easy	very easy	Average
Internet surfing	42	15	43	7	15	2.49
Newspapers	18	18	49	16	21	3.03
Poster and leaflet	11	17	48	19	27	3.28
Government staff approaches	11	11	32	32	36	3.58
Published procedures	7	12	39	28	36	3.61
Radio and TV	7	9	37	27	42	3.72
Village meetings and consultations	4	8	25	25	60	4.06

The focus group discussions also supported these figures and information. The consultations suggested that the information which people tried to search on the related websites through the popular search engines include:

- Land related administrative procedures for applying for LURCs, mortgaging LURCs for loans from commercial banks, selling or buying land;
- Planning, land-use plans, urban planning both maps and descriptions;
- Information about land recovery, compensation, and resettlement, especially when a new plan is approved;
- Information on land leasing, renting and selling;
- Information on charges, fees and taxes related to land including charges and fees for applying for LURCs, extracting cadastral maps, extracting legal status of land parcels, land mortgaging, land subdivisions.

In contrast, local village meetings were still the most effective channel for people to find and seek information (4.06 – between ‘easy and ‘very easy’), especially on land use planning and LURCs. The field observations suggested that, similar to the other traditional villages in the country, the heads of villages in the case study areas often organised meetings (officially or unofficially), usually at nighttime to gather villagers for the dissemination of information. In these meetings, the villagers are provided with general information such as land use planning, new project implementation plans, and land taxation apart from the other information on the agricultural schedules.

7. DISCUSSION AND CONCLUSIONS

The above sections described the results of consultation with grassroots stakeholders on their understanding of land administration and their accessibility to land related information. The key findings of these consultations can be summarized to include:

Firstly, the analysis shows that land use rights are significant to grassroots stakeholders, both those with or without LURCs, and for both male and female. The issuance of LURCs establishes the legal framework to protect land tenure of the stakeholder at the highest level. LURCs provide the legitimate and formal right to access to land.

Secondly, there is a significant demand from grassroots stakeholders for land related information, in both spatial and attribute data formats. The analysis suggests that the land information plays an important role for landholders to make decisions. However, the accessibility to land information still remains weak, especially for spatial data (mapping), land use planning, and land value information. According to the Land Law, information regarding administrative procedures for land use certificates, cadastral maps, land use planning and land value is mandatory published in a number of ways and forms for citizens to access openly and freely. The land administration system should ensure the information is available and updated with an appropriate infrastructure for provision of information.

The analysis suggests limitations in land administration processes have placed barriers to accessing land information. The reasons include the unavailability of information, out of date information, complicated terminology, high fee levels, and permission requests. In addition, the use of the Internet to delivery land information has been ineffective which suggests that and further development of SDI must recognize the important role of the traditional village level sharing of information in a variety of forms. However, the younger people will increasingly look to the Internet for land information. By 2013, there had been more than 31 million Internet users in Vietnam (MIC, 2013). The huge number has been still rapidly increasing over the last few years and predicted to be doubled in 2016. The figure shows the potential of information provision on Internet is huge as websites can offer quick access to information for stakeholders simply with a connection. On the other hand, the related laws and regulations have already outlined the types of information that must be published online or not online. In fact, despite the rapid increase of number of the Internet subscribers in the country, the usage of this technology for dissemination of land related information has been still limited. Investment in an efficient infrastructure such as a land portal would make the accessibility to land information available and easy.

Thirdly, local government land authorities and staff should be provided with ongoing training under ongoing capacity building programs. In order to improve accessibility of government land information to citizens, this should include customer service training and improvements in efficiency. The benefit to the State is that this may reduce the percentage of people who transfer land under informal land markets, bringing them into the formal economy.

Lastly, public awareness rising campaigns should be implemented more often to local stakeholders. Initially, individuals and households need awareness of the importance of LURCs to ensure their land tenure security. Land users should also be informed their rights, restrictions and responsibilities fully to avoid social risks of implementation of land use rights. For instance, participation in LURCs process and land registration will reduce land disputes and complaints which often happen at grassroots level. Traditional village level forums continue to be important for awareness raising. At the higher level, land users should be guided to seek and request land information they need by using one-stop shop and the Internet via a land portal.

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The paper describes the results of stakeholder consultations on accessibility to land administration in case study areas. Participants living in the study areas perceive that LURCs and related services are the most important to protect their rights on land and understand their land use rights competently. The demands of access to land, land information, and land documents have been recently increasing. However, the level of accessibility to land information still remains low. There has existed an inefficient link among government agencies for accessing and sharing data efficiently and effectively.

The results have included evaluations of limitations, and barriers which could support to improve the land administration system, reform land administrative procedures, raise awareness for local citizens, and building capacity for government staff.

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BIOGRAPHICAL NOTES

Mau Duc Ngo commenced his PhD study on SDI for land administration at the School of Mathematical and Geospatial Sciences of RMIT University in July 2012 as an Australia Development Scholarship (ADS) awardee. The research investigates the development of SDI and aims to develop and implement an SDI model for land sector in Vietnam to enable data updating and sharing as well as access to land information by all stakeholders. Mau has been working for the General Department of Land Administration (Vietnam) since 2001. He holds a BSc in Land Administration and a MEng in Urban Planning and Management.

David Mitchell is an Associate Professor at RMIT. He has a PhD in land administration. David is co-chair of the GLTN Research and Training Cluster, and member of the GLTN International Advisory Board. At RMIT University he teaches cadastral surveying and land development and undertakes research focusing on the development of effective land policy and land administration tools to support tenure security, improved access to land and pro-poor rural development. He also has a strong research focus on land tenure, climate change and natural disasters.

Donald Grant was the New Zealand Surveyor General until February 2014 when he took up the position of Associate Professor in Geospatial Science at RMIT University. He holds a BSc Honours in Physics from Canterbury University, a Diploma in Surveying from Otago University and a PhD in Surveying from the University of New South Wales. He registered as a surveyor in 1979 and is a Licensed Cadastral Surveyor.

Nicholas Chrisman was Head of Geospatial Disciplines at RMIT University until December 2014. He is a Professor and holds a PhD in Geography with more than forty years teaching experience at university level. Currently, he is an editor for *Journal of Cartography and GIScience*, published by Taylor & Francis. Nicholas has published two books and over a hundred scientific articles. He is a member of Panel on Developing Science, Technology, and Innovation Indicators for the Future, National Research Council (USA).

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