

# Mapping of Digitalization and Blockchain Projects in the Land Sector

Annex to the paper “Disruption or Déjà Vu? Digitalization, Land and Human Rights. Case Studies from Brazil, Indonesia, Georgia, India and Rwanda” (published November 2020).



**FIAN**  
INTERNATIONAL

**TABLE 1: GLOBAL MAPPING OF BLOCKCHAIN PROJECTS IN THE LAND SECTOR**

No.	Country	Location	Donor/company involved	Time-frame	Status	Links
1.	Australia	Regional (New South Wales)	ChromaWay	2018-2019	Proof-of-concept (PoC) completed/ Pilot planned	<a href="https://theblockchainland.com/2018/10/18/new-south-wales-blockchain-property-conveyance/">https://theblockchainland.com/2018/10/18/new-south-wales-blockchain-property-conveyance/</a> <a href="https://www.registrargeneral.nsw.gov.au/___data/assets/pdf_file/0009/354393/ChromaWay.pdf">https://www.registrargeneral.nsw.gov.au/___data/assets/pdf_file/0009/354393/ChromaWay.pdf</a>
2.	Bolivia	National	Inter-American Development Bank / ChromaWay	2019 -	PoC ongoing	<a href="https://www.iadb.org/en/project/RG-T3356">https://www.iadb.org/en/project/RG-T3356</a> <a href="https://bit.ly/3sSZeri">https://bit.ly/3sSZeri</a> <a href="https://www.youtube.com/watch?v=wymNVICRc-o">https://www.youtube.com/watch?v=wymNVICRc-o</a>
3.	Brazil	Regional (Pelotas and Morro Redondo cities)	Ubitquity	2017	Pilot completed	<a href="https://www.oicrf.org/-/evaluating-the-use-of-blockchain-in-land-transactions-an-archival-science-perspective">https://www.oicrf.org/-/evaluating-the-use-of-blockchain-in-land-transactions-an-archival-science-perspective</a> <a href="https://gbaglobal.org/wp-content/uploads/2018/02/Ubitquity-Brasil-Intro-Slides-English.pdf">https://gbaglobal.org/wp-content/uploads/2018/02/Ubitquity-Brasil-Intro-Slides-English.pdf</a>
4.	Canada	Regional (British Columbia)	ChromaWay	2018	Prototype completed	<a href="https://www.conftool.com/landandpoverty2019/index.php/06-03-Miller-365_paper.pdf?page=downloadPaper&amp;filename=06-03-Miller-365_paper.pdf&amp;form_id=365&amp;form_version=final">https://www.conftool.com/landandpoverty2019/index.php/06-03-Miller-365_paper.pdf?page=downloadPaper&amp;filename=06-03-Miller-365_paper.pdf&amp;form_id=365&amp;form_version=final</a>
5.	Colombia	Regional	UST Global	2018	Prototype completed	<a href="https://coinrivet.com/colombia-launches-a-time-saving-blockchain-land-registry-pilot-project/">https://coinrivet.com/colombia-launches-a-time-saving-blockchain-land-registry-pilot-project/</a> <a href="https://www.agenciadetierras.gov.co/2018/09/24/por-primera-vez-el-gobierno-implementa-alta-tecnologia-para-la-proteccion-de-datos-en-materia-de-tierras/">https://www.agenciadetierras.gov.co/2018/09/24/por-primera-vez-el-gobierno-implementa-alta-tecnologia-para-la-proteccion-de-datos-en-materia-de-tierras/</a>
6.	Fiji	Regional (Greater Suva)	Asian Development Bank / KPMG Digital Village	2017 -	Pilot ongoing	<a href="https://events.development.asia/system/files/materials/2019/04/201904-developing-blockchain-based-land-registry-system-fiji.pdf">https://events.development.asia/system/files/materials/2019/04/201904-developing-blockchain-based-land-registry-system-fiji.pdf</a> <a href="https://www.tltb.com.fj/getattachment/Media/Newsletter/Our-DigitaLand-2019.pdf.aspx?lang=en-US">https://www.tltb.com.fj/getattachment/Media/Newsletter/Our-DigitaLand-2019.pdf.aspx?lang=en-US</a>

No.	Country	Location	Donor/company involved	Time-frame	Status	Links
7.	Ghana	Unknown	IBM	2018 -	Announcement/ MoU	<a href="https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning">https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning</a>
8.	Ghana	Unknown	BenBen	2016 -	Unknown	<a href="http://www.benben.com.gh/">http://www.benben.com.gh/</a>  <a href="https://www.cta.int/en/blog/all/article/benben-ghana-empowering-citizens-by-providing-land-security-sid0ff22d6c6-ddf1-400c-a6cb-395c42d4e468">https://www.cta.int/en/blog/all/article/benben-ghana-empowering-citizens-by-providing-land-security-sid0ff22d6c6-ddf1-400c-a6cb-395c42d4e468</a>
9.	Ghana	Regional (Kumasi)	Bitland	2016 -	Unknown	<a href="https://www.forbes.com/sites/rogeraitken/2016/04/05/bitlands-african-blockchain-initiative-putting-land-on-the-ledger/#189ef44f7537">https://www.forbes.com/sites/rogeraitken/2016/04/05/bitlands-african-blockchain-initiative-putting-land-on-the-ledger/#189ef44f7537</a>  <a href="https://www.researchgate.net/profile/Christiaan_Lemmen/publication/316595854_Blockchain-based_Land_Administration_Feasible_Illusory_or_Panacae/links/590607d14585152d2e966dfc/Blockchain-based-Land-Administration-Feasible-Illusory-or-Panacae.pdf">https://www.researchgate.net/profile/Christiaan_Lemmen/publication/316595854_Blockchain-based_Land_Administration_Feasible_Illusory_or_Panacae/links/590607d14585152d2e966dfc/Blockchain-based-Land-Administration-Feasible-Illusory-or-Panacae.pdf</a>
10.	Georgia	National	Bitfury	2016 -	Completed/ Ongoing	<a href="https://www.researchgate.net/publication/332901048_Blockchain_for_digital_government_An_assessment_of_pioneering_implementations_in_public_services">https://www.researchgate.net/publication/332901048_Blockchain_for_digital_government_An_assessment_of_pioneering_implementations_in_public_services</a>  <a href="https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning">https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning</a>  <a href="https://www.youtube.com/watch?v=upvK4qnlULg">https://www.youtube.com/watch?v=upvK4qnlULg</a>
11.	Honduras	Regional (La Ceiba city)	Factom, Epigraph	2015 -	Cancelled	<a href="https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning">https://www.oicrf.org/-/bockchain-and-property-in-2018-at-the-end-of-the-beginning</a>  <a href="https://www.oicrf.org/-/evaluating-the-use-of-blockchain-in-land-transactions-an-archival-science-perspective">https://www.oicrf.org/-/evaluating-the-use-of-blockchain-in-land-transactions-an-archival-science-perspective</a>
12.	India	Regional (Haryana)	UNDP / Blocksale Solutions	2018	PoC completed	<a href="https://www.undp.org/content/undp/en/home/blog/2018/Using-blockchain-to-make-land-registry-more-reliable-in-India.html">https://www.undp.org/content/undp/en/home/blog/2018/Using-blockchain-to-make-land-registry-more-reliable-in-India.html</a>  <a href="https://app.hubspot.com/documents/5052729/view/47606210?accessId=8373f0">https://app.hubspot.com/documents/5052729/view/47606210?accessId=8373f0</a>
13.	India	Regional (Andhra Pradesh)	Zebi Data, Chromaway, ConsenSys	2017-2018	Pilot completed	<a href="https://qz.com/india/1325423/indias-andhra-state-is-using-blockchain-to-build-capital-amaravati/">https://qz.com/india/1325423/indias-andhra-state-is-using-blockchain-to-build-capital-amaravati/</a>  <a href="https://www.reuters.com/article/us-india-landrights-tech/indian-states-look-to-digitize-land-deals-with-blockchain-idUSKBN1AQ1T3">https://www.reuters.com/article/us-india-landrights-tech/indian-states-look-to-digitize-land-deals-with-blockchain-idUSKBN1AQ1T3</a>

No.	Country	Location	Donor/company involved	Time-frame	Status	Links
14.	India	(Regional) Telangana		2017-2018	PoC completed	<a href="https://it.telangana.gov.in/wp-content/uploads/2019/05/Telangana-Blockchain-Policy-Draft-May-2019.pdf">https://it.telangana.gov.in/wp-content/uploads/2019/05/Telangana-Blockchain-Policy-Draft-May-2019.pdf</a> <a href="https://archive.factorially.com/india-government-blockchain-projects/">https://archive.factorially.com/india-government-blockchain-projects/</a> <a href="https://www.livemint.com/Politics/4IOMVhyOuK6k0LwSVGikZL/Telangana-govt-to-use-blockchain-tech-for-securing-land-reco.html">https://www.livemint.com/Politics/4IOMVhyOuK6k0LwSVGikZL/Telangana-govt-to-use-blockchain-tech-for-securing-land-reco.html</a>
15.	India	Regional (Uttar Pradesh)		2018 -	Unknown	<a href="https://www.businesstoday.in/current/policy/up-may-become-the-first-state-to-fully-adopt-blockchain-technology-for-data-security/story/280576.html">https://www.businesstoday.in/current/policy/up-may-become-the-first-state-to-fully-adopt-blockchain-technology-for-data-security/story/280576.html</a> <a href="https://archive.factorially.com/india-government-blockchain-projects/">https://archive.factorially.com/india-government-blockchain-projects/</a>
16.	India	Regional (Maharashtra)	XinFin	2018-2019	PoC completed	<a href="https://medium.com/xinfin/xinfin-presents-blockchain-proof-of-concept-for-land-registry-to-maharashtra-government-bb1100382f24">https://medium.com/xinfin/xinfin-presents-blockchain-proof-of-concept-for-land-registry-to-maharashtra-government-bb1100382f24</a> <a href="https://archive.factorially.com/india-government-blockchain-projects/">https://archive.factorially.com/india-government-blockchain-projects/</a>
17.	India	Regional (Madhya Pradesh)		2019 -	Unknown	<a href="http://landrecords.mp.gov.in/tender/tender_mpclr_201718_8.pdf">http://landrecords.mp.gov.in/tender/tender_mpclr_201718_8.pdf</a> <a href="https://nasscom.in/knowledge-center/publications/nasscom-avasant-india-blockchain-report-2019">https://nasscom.in/knowledge-center/publications/nasscom-avasant-india-blockchain-report-2019</a>
18.	India	Regional (Goa)		2018 -	Unknown	<a href="https://archive.factorially.com/india-government-blockchain-projects/">https://archive.factorially.com/india-government-blockchain-projects/</a> <a href="https://nasscom.in/knowledge-center/publications/nasscom-avasant-india-blockchain-report-2019">https://nasscom.in/knowledge-center/publications/nasscom-avasant-india-blockchain-report-2019</a>
19.	India	Regional (Rajasthan)		2018 -	Unknown	<a href="http://ficci.in/spdocument/23117/Digital-Rajasthan-Embracing-Change.pdf">http://ficci.in/spdocument/23117/Digital-Rajasthan-Embracing-Change.pdf</a> <a href="https://medium.com/auxesis/rajasthan-to-roll-out-blockchain-technology-for-land-records-80d181da4daa">https://medium.com/auxesis/rajasthan-to-roll-out-blockchain-technology-for-land-records-80d181da4daa</a>
20.	Japan	Regional	Propy	2019 -	Pilot ongoing	<a href="https://propy.com/blog/propy-completes-first-two-blockchain-property-deals-in-japan/">https://propy.com/blog/propy-completes-first-two-blockchain-property-deals-in-japan/</a> <a href="https://propy.com/blog/propy-partners-with-japanese-escrow-company/">https://propy.com/blog/propy-partners-with-japanese-escrow-company/</a>
21.	Kenya	unknown	Land Layby Group, others	2018 -	Unknown	<a href="https://www.reuters.com/article/us-africa-landrights-blockchain/african-startups-bet-on-blockchain-to-tackle-land-fraud-idUSKCN1G00YK">https://www.reuters.com/article/us-africa-landrights-blockchain/african-startups-bet-on-blockchain-to-tackle-land-fraud-idUSKCN1G00YK</a> <a href="https://www.coinwire.com/land-layby-listing">https://www.coinwire.com/land-layby-listing</a>

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22.	Netherlands	National		2017 -	Unknown (Feasibility Study)	<a href="https://www.conftool.com/landandpoverty2020/index.php/06-03-Vos-694_paper.pdf?page=downloadPaper&amp;filename=06-03-Vos-694_paper.pdf&amp;form_id=694&amp;form_version=final">https://www.conftool.com/landandpoverty2020/index.php/06-03-Vos-694_paper.pdf?page=downloadPaper&amp;filename=06-03-Vos-694_paper.pdf&amp;form_id=694&amp;form_version=final</a> <a href="https://www.elra.eu/wp-content/uploads/2017/05/Jacques-VosBlockchain.pdf">https://www.elra.eu/wp-content/uploads/2017/05/Jacques-VosBlockchain.pdf</a>
23.	Peru	National	Inter-American Development Bank / ChromaWay	2019 -	PoC ongoing	<a href="https://www.iadb.org/en/project/RG-T3356">https://www.iadb.org/en/project/RG-T3356</a> <a href="https://bit.ly/3sSZeri">https://bit.ly/3sSZeri</a> <a href="https://www.youtube.com/watch?v=wymNVICRc-o">https://www.youtube.com/watch?v=wymNVICRc-o</a>
24.	Paraguay	National	Inter-American Development Bank / ChromaWay	2019 -	PoC ongoing	<a href="https://www.iadb.org/en/project/RG-T3356">https://www.iadb.org/en/project/RG-T3356</a> <a href="https://bit.ly/3sSZeri">https://bit.ly/3sSZeri</a> <a href="https://www.youtube.com/watch?v=wymNVICRc-o">https://www.youtube.com/watch?v=wymNVICRc-o</a>
25.	Rwanda	Regional (Kigali)	Medici Land Governance	2018 -	PoC/Pilot Ongoing	<a href="https://www.mediciland.com/projects/">https://www.mediciland.com/projects/</a> <a href="https://www.globenewswire.com/news-release/2018/11/01/1641252/0/en/Medici-Land-Governance-an-Overstock-Subsidiary-Signs-MOU-With-Government-of-Rwanda-to-Implement-Paperless-Blockchain-Land-Governance-and-Property-Rights-Management.html">https://www.globenewswire.com/news-release/2018/11/01/1641252/0/en/Medici-Land-Governance-an-Overstock-Subsidiary-Signs-MOU-With-Government-of-Rwanda-to-Implement-Paperless-Blockchain-Land-Governance-and-Property-Rights-Management.html</a>
26.	Sweden	National	ChromaWay	2016 -	PoC completed/ Ongoing	<a href="https://static1.squarespace.com/static/5e26f18cd5824c7138a9118b/t/5e3c35451c2cbb6170caa19e/1581004119677/Blockchain_Landregistry_Report_2017.pdf">https://static1.squarespace.com/static/5e26f18cd5824c7138a9118b/t/5e3c35451c2cbb6170caa19e/1581004119677/Blockchain_Landregistry_Report_2017.pdf</a> <a href="https://www.researchgate.net/publication/332901048_Blockchain_for_digital_government_An_assessment_of_pioneering_implementations_in_public_services">https://www.researchgate.net/publication/332901048_Blockchain_for_digital_government_An_assessment_of_pioneering_implementations_in_public_services</a>
27.	United Arab Emirates	Regional (Dubai)	ConsenSys, Dubai Properties, ERES	2016 -	PoC completed/ Ongoing	<a href="https://www.conftool.com/landandpoverty2019/index.php/06-03-alsuwaidi-635_ppt.pptx?page=downloadPaper&amp;filename=06-03-alsuwaidi-635_ppt.pptx&amp;form_id=635&amp;form_index=2&amp;form_version=final">https://www.conftool.com/landandpoverty2019/index.php/06-03-alsuwaidi-635_ppt.pptx?page=downloadPaper&amp;filename=06-03-alsuwaidi-635_ppt.pptx&amp;form_id=635&amp;form_index=2&amp;form_version=final</a>
28.	United Arab Emirates	Regional (Abu Dhabi)	Tech Mahindra	2019 -	Announcement/ MoU	<a href="https://www.techmahindra.com/en-in/dpm-abu-dhabi-and-techmahindra-launch-blockchain-solution-for-land-registry/">https://www.techmahindra.com/en-in/dpm-abu-dhabi-and-techmahindra-launch-blockchain-solution-for-land-registry/</a> <a href="https://www.youtube.com/watch?v=-aSLWu20U">https://www.youtube.com/watch?v=-aSLWu20U</a>

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29.	United Kingdom	Unknown	Methods, R3, Consensus	2018 -	PoC completed/ Ongoing	<a href="https://www.gov.uk/government/news/hm-land-registry-to-explore-the-benefits-of-blockchain">https://www.gov.uk/government/news/hm-land-registry-to-explore-the-benefits-of-blockchain</a>  <a href="https://www.gov.uk/government/publications/hm-land-registry-annual-report-and-accounts-2019-to-2020/performance-report">https://www.gov.uk/government/publications/hm-land-registry-annual-report-and-accounts-2019-to-2020/performance-report</a>
30.	United Kingdom	Regional (Bermuda overseas territory)	Bitfury	2018 -	Announcement/ MoU	<a href="https://www.gov.bm/articles/government-bermuda-partners-bitfury-bring-blockchain-land-registry">https://www.gov.bm/articles/government-bermuda-partners-bitfury-bring-blockchain-land-registry</a>
31.	Ukraine	Regional (Kiev)	Propy	2017	Pilot completed	<a href="https://markets.businessinsider.com/news/stocks/propy-announces-worlds-first-real-estate-purchase-on-ethereum-blockchain-1002925408">https://markets.businessinsider.com/news/stocks/propy-announces-worlds-first-real-estate-purchase-on-ethereum-blockchain-1002925408</a>
32.	Ukraine	unknown	Bitfury	2017	Announcement/ MoU	<a href="https://ti-ukraine.org/en/news/derzhavnyi-zemelnyi-kadastr-pereishov-na-tekhnohiiu-blokchein/">https://ti-ukraine.org/en/news/derzhavnyi-zemelnyi-kadastr-pereishov-na-tekhnohiiu-blokchein/</a>  <a href="https://www.bloomberg.com/news/articles/2017-10-03/ukraine-turns-to-blockchain-to-boost-land-ownership-transparency">https://www.bloomberg.com/news/articles/2017-10-03/ukraine-turns-to-blockchain-to-boost-land-ownership-transparency</a>
33.	USA	Regional (two counties in Wyoming)	Medici Land Governance	2018	Pilot ongoing	<a href="https://mediciland.com/projects/wyoming/">https://mediciland.com/projects/wyoming/</a>  <a href="https://investors.overstock.com/news-releases/news-release-details/medici-land-governance-makes-teton-county-wyoming-first-county">https://investors.overstock.com/news-releases/news-release-details/medici-land-governance-makes-teton-county-wyoming-first-county</a>
34.	USA	Regional (Vermont)	Propy	2018-2019	Pilot completed	<a href="https://sos.vermont.gov/media/r3jh24ig/vsara_blockchains_for_public_recordkeeping_white_paper_v1.pdf">https://sos.vermont.gov/media/r3jh24ig/vsara_blockchains_for_public_recordkeeping_white_paper_v1.pdf</a>  <a href="https://propy.com/blog/vermont-blockchain-legislation-and-propy-things-you-need-to-know/">https://propy.com/blog/vermont-blockchain-legislation-and-propy-things-you-need-to-know/</a>
35.	USA	Regional (Cook county, Illinois)	IBREA, velox.re	2017-2018	Pilot completed	<a href="https://www.cookrecorder.com/ccrd-releases-blockchain-pilot-final-report/">https://www.cookrecorder.com/ccrd-releases-blockchain-pilot-final-report/</a>
36.	Zambia	Regional (Lusaka)	Medici Land Governance	2018 -	PoC ongoing	<a href="https://www.globenewswire.com/news-release/2019/05/22/1840827/0/en/Medici-Land-Governance-Signs-MOU-with-Lusaka-City-Zambia-to-Develop-and-Deploy-a-Land-Governance-Platform-and-Support-Property-Title-Issuance.html">https://www.globenewswire.com/news-release/2019/05/22/1840827/0/en/Medici-Land-Governance-Signs-MOU-with-Lusaka-City-Zambia-to-Develop-and-Deploy-a-Land-Governance-Platform-and-Support-Property-Title-Issuance.html</a>  <a href="https://www.conftool.com/landandpoverty2019/index.php/03-03-Larson-1124_ppt.ppt?page=downloadPaper&amp;filename=03-03-Larson-1124_ppt.ppt&amp;form_id=1124&amp;form_index=2&amp;form_version=final">https://www.conftool.com/landandpoverty2019/index.php/03-03-Larson-1124_ppt.ppt?page=downloadPaper&amp;filename=03-03-Larson-1124_ppt.ppt&amp;form_id=1124&amp;form_index=2&amp;form_version=final</a>

**TABLE 2: MAPPING OF LARGE-SCALE DIGITALIZATION PROJECTS IN THE LAND SECTOR  
(IN COUNTRIES CLASSIFIED AS LOW OR MEDIUM HUMAN DEVELOPMENT ON UNDP'S HUMAN DEVELOPMENT INDEX)**

No.	Country	Name of project	Focus (digitalization)	Time-frame	Donors	Involved companies/agencies	Donor contribution/cost of digitalization component	Links
1.	Bangladesh	Promoting Access to Land in Bangladesh/ Digital Land Management System (DLMS) project	Integrated Digital Land Recording System (IDLRS)/ Digital Land Management System (DLMS)	2011-2017	EU	NIRAS	€10.000.000	<a href="https://eeas.europa.eu/delegations/bangladesh_en/18880/">https://eeas.europa.eu/delegations/bangladesh_en/18880/</a>  <a href="https://www.niras.com/media/10910396/land_final-compressed.pdf">https://www.niras.com/media/10910396/land_final-compressed.pdf</a>
2.	Cameroon	Cadastre Modernization and Business Climate Support Project (PAMOCCA)	Digital mapping, digital land registry	2011-2020	African Development Bank	IGN FI	US\$10.000.000	<a href="https://www.afdb.org/fileadmin/uploads/afdb/Documents/Project-and-Operations/CAMEROON-Support_Project_for_Modernization_of_the_Land_Registration_System_and_Business_Climate-Appraisal_Repo_.pdf">https://www.afdb.org/fileadmin/uploads/afdb/Documents/Project-and-Operations/CAMEROON-Support_Project_for_Modernization_of_the_Land_Registration_System_and_Business_Climate-Appraisal_Repo_.pdf</a>  <a href="https://www.ignfi.fr/en/portfolio-item/appui-modernisation-cadastre-cameroun/">https://www.ignfi.fr/en/portfolio-item/appui-modernisation-cadastre-cameroun/</a>
3.	Cape Verde	Land Management for Investment Project	Digital registry (Land Management Information and Transaction System/ LMITS)	2012-2017	Millennium Challenge Corporation (MCC)	DAI Global	US\$17.000.000	<a href="https://www.mcc.gov/resources/story/section-cvii-star-report-land-project">https://www.mcc.gov/resources/story/section-cvii-star-report-land-project</a>
4.	Ethiopia	Climate Action through Landscape Management (CALM)	National Rural Land Administration Information System (NRLAIS)	2019-2024	World Bank		US\$14.000.000/ US\$84.000.000	<a href="http://documents1.worldbank.org/curated/en/949841560736884940/pdf/Ethiopia-Climate-Action-through-Landscape-Management-Program-for-Results-Project.pdf">http://documents1.worldbank.org/curated/en/949841560736884940/pdf/Ethiopia-Climate-Action-through-Landscape-Management-Program-for-Results-Project.pdf</a>

No.	Country	Name of project	Focus (digitalization)	Time-frame	Donors	Involved companies/agencies	Donor contribution/cost of digitalization component	Links
5.	Ethiopia	Responsible and Innovative Land Administration of Ethiopia (REILA), Phase 1 +2	National Rural Land Information System (NRLAIS)	2011-2021	Finnish Ministry of Foreign Affairs	NIRAS, Hansa Luftbild AG	€19.600.000	<a href="https://www.niras.com/development-consulting/projects/land-registration-in-ethiopia/">https://www.niras.com/development-consulting/projects/land-registration-in-ethiopia/</a>
6.	Ethiopia	Land Investment for Transformation (LIFT)	Land Administration System (RLAS)/ NRLAIS	2014-2021	DFID	DAI, NIRAS, Nathan Associates, GIRDC	£72.704.000/ £3.000.000	<a href="https://devtracker.fcdo.gov.uk/projects/GB-1-202900/documents">https://devtracker.fcdo.gov.uk/projects/GB-1-202900/documents</a>
7.	Ethiopia	Support to Responsible Agricultural Investments in Ethiopia” (S2RAI), Phase I + II	Facilitate and monitor land-based investments through the Commercial Agricultural Management Information System (CAMIS), e-services, linked to NRLAIS	2016-2024	BMZ, EU		€10.175.000	<a href="https://www.giz.info/en/downloads/2020-05-Projektinfo_GV%20Land_%c3%84thiopien_EN.pdf">https://www.giz.info/en/downloads/2020-05-Projektinfo_GV%20Land_%c3%84thiopien_EN.pdf</a>  <a href="https://landportal.org/library/resources/building-harmonized-private-and-state-land-data-and-information-systems-ethiopia">https://landportal.org/library/resources/building-harmonized-private-and-state-land-data-and-information-systems-ethiopia</a>
8.	Ghana	Land Administration project 2 (LAP2)	Digital land registry (Ghana Enterprise Land Information System/GELIS), e-services	2011-2020	World Bank		US\$50.000.000/ US\$19.000.000	<a href="https://projects.worldbank.org/en/projects-operations/document-detail/P120636">https://projects.worldbank.org/en/projects-operations/document-detail/P120636</a>
9.	India	Digital India Land Records Modernization Programme (DILRMP)	Digital land registry and cadaster	2008-(ongoing)				<a href="http://dilrmp.gov.in/">http://dilrmp.gov.in/</a>



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10.	Indonesia	Program to Accelerate Agrarian Reform (One Map Project)	Digital mapping/ registration, digital land registry and cadaster (eLand), e-services	2018-2023	World Bank	Kadaster Int.	US\$200.000.000/ US\$48.000.000	<a href="http://documents.worldbank.org/curated/en/393931532143851037/pdf/Indonesia-One-Map-PAD-06262018.pdf">http://documents.worldbank.org/curated/en/393931532143851037/pdf/Indonesia-One-Map-PAD-06262018.pdf</a>
11.	Ivory Coast	Land Policy Improvement Project	Digital land registry and cadaster, land e-services	2018-2023	World Bank		US\$50.000.000/ US\$18.000.000	<a href="http://documents.worldbank.org/curated/en/158861522699104205/pdf/COTE-DIVOIRE-PAD-NEW-03092018.pdf">http://documents.worldbank.org/curated/en/158861522699104205/pdf/COTE-DIVOIRE-PAD-NEW-03092018.pdf</a>
12.	Kenya	Digitization of Land Registries	Digital land registry, e-services	2014/2015-			US\$4.600.000	<a href="https://lands.go.ke/programmes-and-projects/">https://lands.go.ke/programmes-and-projects/</a> <a href="https://www.reuters.com/article/us-kenya-landrights/kenyan-lawyers-wrangle-with-government-over-land-registry-digitization-idUSKBN1181K1">https://www.reuters.com/article/us-kenya-landrights/kenyan-lawyers-wrangle-with-government-over-land-registry-digitization-idUSKBN1181K1</a>
13.	Laos	Land Management and Decentralised Planning	Digital land registry/ cadaster (Lao LandReg)	2014-2021	BMZ	GIZ	€12.424.110	<a href="https://www.giz.de/projektdaten/projects.action?request_locale=de_DE&amp;pn=201621929">https://www.giz.de/projektdaten/projects.action?request_locale=de_DE&amp;pn=201621929</a> <a href="https://landportal.org/library/resources/systematic-land-registration-rural-areas-lao-pdr-concept-document-countrywide">https://landportal.org/library/resources/systematic-land-registration-rural-areas-lao-pdr-concept-document-countrywide</a>
14.	Laos	Enhancing Systematic Land Registration Project	Digital land registry/ cadaster (Lao LandReg)	2020/21- (planning phase)	World Bank		US\$25.000.000	<a href="https://projects.worldbank.org/en/projects-operations/document-detail/P169669">https://projects.worldbank.org/en/projects-operations/document-detail/P169669</a> <a href="https://www.worldbank.org/en/programs/korea-world-bank-group-partnership-facility/brief/kwpf-tf0b2449">https://www.worldbank.org/en/programs/korea-world-bank-group-partnership-facility/brief/kwpf-tf0b2449</a>
15.	Liberia		Digital Land Information Management System (LIMS)	2020-		Medici Land Governance (MLG)		<a href="https://mediciland.com/1544-2/">https://mediciland.com/1544-2/</a> <a href="https://mediciland.com/projects/monrovia-liberia/">https://mediciland.com/projects/monrovia-liberia/</a>

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16.	Madagascar	Agriculture Rural Growth and Land Management Project (component on land policy and land rights registration)	Digital land registry	2016/19-2022	World Bank		US\$47.400.000/ US\$2.300.000	<a href="https://projects.worldbank.org/en/projects-operations/document-detail/P166133">https://projects.worldbank.org/en/projects-operations/document-detail/P166133</a>  <a href="http://documents.worldbank.org/curated/en/705911551754907069/Madagascar-Agriculture-Growth-and-Land-Management-Additional-Financing">http://documents.worldbank.org/curated/en/705911551754907069/Madagascar-Agriculture-Growth-and-Land-Management-Additional-Financing</a>
17.	Mozambique	Mozambique Land Administration Project (Terra Segura)	Digital mapping, Land Information Management System (SiGIT), e-services	2018/19-2024	World Bank		US\$100.000.000/ US\$8.700.000	<a href="https://projects.worldbank.org/en/projects-operations/document-detail/P164551">https://projects.worldbank.org/en/projects-operations/document-detail/P164551</a>  <a href="http://documents.worldbank.org/curated/en/690511544238091029/pdf/Mozambique-PAD-P164551-for-Board-11132018-636798168819424015.pdf">http://documents.worldbank.org/curated/en/690511544238091029/pdf/Mozambique-PAD-P164551-for-Board-11132018-636798168819424015.pdf</a>
18.	Nepal		Digital land registry	2015-	Asian Development Bank			<a href="https://www.conftool.com/landandpoverty2019/index.php/06-11-Bhatta-389_paper.pdf?page=downloadPaper&amp;filename=06-11-Bhatta-389_paper.pdf&amp;form_id=389&amp;form_version=final">https://www.conftool.com/landandpoverty2019/index.php/06-11-Bhatta-389_paper.pdf?page=downloadPaper&amp;filename=06-11-Bhatta-389_paper.pdf&amp;form_id=389&amp;form_version=final</a>  <a href="https://kathmandupost.com/national/2018/08/28/land-revenue-data-goes-digital">https://kathmandupost.com/national/2018/08/28/land-revenue-data-goes-digital</a>
19.	Nicaragua	Second Land Administration Project (PRODEP II)	Integrated Cadastre Registry Information System (SIICAR), e-services	2013-2020	World Bank		US\$58.000.000/ US\$14.600.000	<a href="http://documents.worldbank.org/curated/en/809621496169075161/Nicaragua-Second-Land-Administration-Project-additional-financing">http://documents.worldbank.org/curated/en/809621496169075161/Nicaragua-Second-Land-Administration-Project-additional-financing</a>

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20.	Nicaragua	Property Rights Strengthening Project	Cadaster Registry Information System (SIICAR), e-services	2008-2024	World Bank		US\$50.000.000/ US\$12.750.000	<a href="http://documents1.worldbank.org/curated/en/895431521338507774/pdf/PAD2598-clean-02262018.pdf">http://documents1.worldbank.org/curated/en/895431521338507774/pdf/PAD2598-clean-02262018.pdf</a>
21.	Nigeria	Systematic Property Registration Program; under: Kaduna State Economic Transformation Program-For-Results	Digital land registry	2016/17-2021	World Bank		US\$40.000.000	<a href="https://www.kadgis.org/">https://www.kadgis.org/</a> <a href="http://documents.worldbank.org/curated/en/551311498183420726/pdf/P161998-PD-06-01-17-06012017.pdf">http://documents.worldbank.org/curated/en/551311498183420726/pdf/P161998-PD-06-01-17-06012017.pdf</a>
22.	Pakistan	Punjab Land Records Management and Information Systems Project	Digital land registry, e-services	2007-2016	World Bank		US\$115.000.000/ US\$84.000.000	<a href="http://documents.worldbank.org/curated/en/488611499886532325/pdf/ICR00003719-06212017.pdf">http://documents.worldbank.org/curated/en/488611499886532325/pdf/ICR00003719-06212017.pdf</a>  <a href="https://rodportal.punjab-zameen.gov.pk">https://rodportal.punjab-zameen.gov.pk</a>
23.	Rwanda	Transformation of Agriculture Sector Program 4 Phase 2	ALIS 2 and Smart Agriculture Information System (SAIS), e-services	2018-2021	World Bank		US\$26.000.000	<a href="http://documents1.worldbank.org/curated/en/402011527823870045/pdf/RWANDA-PAD-05092018.pdf">http://documents1.worldbank.org/curated/en/402011527823870045/pdf/RWANDA-PAD-05092018.pdf</a>  <a href="http://www.fonerwa.org/sites/default/files/Rwanda_Strategic_Plan_for_Agriculture_Transformation_2018.pdf">http://www.fonerwa.org/sites/default/files/Rwanda_Strategic_Plan_for_Agriculture_Transformation_2018.pdf</a>
24.	Rwanda	Private Sector Driven Agricultural Growth (PSDAG) Project	Land information database and online platform for investors - Agriculture Land Information System/ALIS, e-services, linked to LAIS	2014-2019	USAID	RTI Int.		<a href="https://www.evalforward.org/sites/default/files/2020-07/Final%20PSDAG%20Evaluation%20Report_4Aug2018_0.pdf">https://www.evalforward.org/sites/default/files/2020-07/Final%20PSDAG%20Evaluation%20Report_4Aug2018_0.pdf</a>  <a href="https://www.agrilinks.org/post/enabling-responsible-private-investment-rwanda">https://www.agrilinks.org/post/enabling-responsible-private-investment-rwanda</a>

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25.	Rwanda	National Land Tenure Regularisation Programme (NLTRP)	Digital mapping, land registry (Land Administration Information System/LAIS)	2009-2019	DFID, EU, SIDA, Netherlands	Kadaster Int. (since 2018)	£31.368.000/ ~ £9.000.000	<a href="https://devtracker.dfid.gov.uk/projects/GB-1-200284/documents">https://devtracker.dfid.gov.uk/projects/GB-1-200284/documents</a>  <a href="https://www.conftool.com/landandpoverty2019/index.php?page=downloadPaper&amp;ismobile=true&amp;filename=01-05-Byamukama-214_paper.pdf&amp;form_id=214&amp;form_version=final">https://www.conftool.com/landandpoverty2019/index.php?page=downloadPaper&amp;ismobile=true&amp;filename=01-05-Byamukama-214_paper.pdf&amp;form_id=214&amp;form_version=final</a>
26.	Tanzania	Private Sector Competitiveness Project (sub-compoment: Land Administration Reforms)	Integrated Land Management Information System (ILMIS)	2015-2018	World Bank	IGN FI	US\$35.200.000/ US\$14.000.000	<a href="http://documents.worldbank.org/curated/en/695891554411693994/pdf/Tanzania-Private-Sector-Competitiveness-Project.pdf">http://documents.worldbank.org/curated/en/695891554411693994/pdf/Tanzania-Private-Sector-Competitiveness-Project.pdf</a>  <a href="https://www.ignfi.fr/wp-content/uploads/2018/07/Tanzanie.Ilmis_EN_201806-min.pdf">https://www.ignfi.fr/wp-content/uploads/2018/07/Tanzanie.Ilmis_EN_201806-min.pdf</a>
27.	Tanzania	Land Tenure Support Programme	Digital mapping/ registration, digital registry	2014-2018	DFID, DANIDA, SIDA		US\$15.200.000	<a href="https://devtracker.dfid.gov.uk/projects/GB-1-202843/documents">https://devtracker.dfid.gov.uk/projects/GB-1-202843/documents</a>
28.	Tanzania	Land Tenure Improvement Project	Integrated Land Management Information System (ILMIS), e-services	2020/21- (planning phase)	World Bank		US\$150.000.000	<a href="http://documents1.worldbank.org/curated/en/934461589985643361/pdf/Project-Information-Document-Land-Tenure-Improvement-Project-P164906.pdf">http://documents1.worldbank.org/curated/en/934461589985643361/pdf/Project-Information-Document-Land-Tenure-Improvement-Project-P164906.pdf</a>
29.	Tanzania	Feed the Future Tanzania Land Tenure Assistance	digital mapping/ registration (Mobile Application to Secure Tenure/ MAST) and digital registry (Technical Register under Social Tenure/ TRUST)	2015-2019	USAID	DAI Global	US\$6.600.000	<a href="https://www.land-links.org/wp-content/uploads/2018/03/USAID_Land_Tenure_LTA_Inception_Report.pdf">https://www.land-links.org/wp-content/uploads/2018/03/USAID_Land_Tenure_LTA_Inception_Report.pdf</a>  <a href="https://dai-global-developments.com/articles/using-mobile-technology-for-first-registration-of-land-lessons-learned-in-tanzania?utm_source=related-box">https://dai-global-developments.com/articles/using-mobile-technology-for-first-registration-of-land-lessons-learned-in-tanzania?utm_source=related-box</a>

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30.	Uganda	Land Administration Reform (component of Competitive-ness and Enterprise Development Project)	National Land Information System (NLIS)	2013-2023	World Bank	IGN FI	US\$54.000.000/ US\$28.900.000	<a href="http://documents.worldbank.org/curated/en/409061468308685658/pdf/751720PAD0P13000900IDA0R20130009601.pdf">http://documents.worldbank.org/curated/en/409061468308685658/pdf/751720PAD0P13000900IDA0R20130009601.pdf</a>  <a href="https://www.ignfi.fr/en/portfolio-item/systeme-information-foncier-national-ouganda/">https://www.ignfi.fr/en/portfolio-item/systeme-information-foncier-national-ouganda/</a>
31.	Vietnam	Project for Improved Land Governance and Databases (VILG)	Multipurpose Land Information System (MPLIS) and Land Database, e-services	2016-2021	World Bank		US\$150.000.000/ US\$160.000.000	<a href="http://documents.worldbank.org/curated/en/696171467818164180/pdf/PAD1780-REVISED-OUO-9-IDA-R2016-0166-2.pdf">http://documents.worldbank.org/curated/en/696171467818164180/pdf/PAD1780-REVISED-OUO-9-IDA-R2016-0166-2.pdf</a>



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