



BASICS

BUILDING AN ECONOMICALLY
SUSTAINABLE, INTEGRATED
CASSAVA SEED SYSTEM

BASICS PROJECT: FINAL IP REPORT

S E P T E M B E R 2 0 2 0



BILL & MELINDA
GATES foundation

BASICS PROJECT: FINAL IP REPORT 2020

This report provides complete overview of Funded Developments created within the project from 2015 as of the reporting date 30st of September 2020. The Project progress is in alignment with the Global Access Strategy.

<i>Reporting Period</i>	2015-2020			
	<i>Name of Partner Disclosing Funded Development</i>	<i>Title of Funded Developments created during the reporting period</i>	<i>Brief description of the Funded Development (supporting documents may be enclosed)</i>	<i>Conditions which may affect Global Access/Repository where Funded Development may be accessed (including link if available)</i>
1.	IITA	Cassava Seed Tracker (CST)	CST is an internet based application to track cassava seed flows and to document all cassava seed certification processes. The application can be used on laptops, tablets and smart phones. It can be used offline and only requires internet connection for syncing up the data. The CST is in use in the project and has been adapted by the national seed authority of Nigeria (NASCI) for certifying seed producer fields.	-No restrictions (IP associated with CST has been fully developed under the BASICS project.) http://seedtracker.org/cassava/ Until 2020 there is no identified condition that may affect global accessibility to the funded development.

<p>2.</p>	<p>IITA</p>	<p>Rapid Multiplication Lab</p>	<p>The SAH™ Rapid Multiplication technique originally developed by SAHTechno Ltd. has been adapted for use in cassava under local conditions in Nigeria. Two labs at research centers, one at IITA in Ibadan and another at NRCRI in Umudike are fully functional. There more labs were established and are running in Shao Farms in Ilorin, and at processing sites of Eagleson and Nitto Concepts and Psaltry International. SAH laboratories are also under development in at least seven other African countries in association with IITA and TAAT, Technologies for African Agriculture Transformation.</p>	<p>IITA negotiated with a third party, SAH Techno, for the acquisition of a rapid multiplication technique for use in the project. The negotiated agreement includes the adaptation of the technology for African conditions and the establishment of three rapid multiplication labs located at the National Root Crops Research Institute (NRCRI), IITA, and Shao Farms. The conditions for the use of this technology for additional labs in Africa have also been negotiated as a maximum one-off licensing fee, which would be further negotiated directly between the developer of the technology (SAHTechno) and those parties interested in acquiring it. IITA concluded and signed a Technology Transfer and Licensing Agreement for the SAH technology.</p>
<p>3.</p>	<p>FERA</p>	<p>Cassava Mosaic Virus diagnostic</p>	<p>Real-time LAMP assay able to detect Africa and East Africa Mosaic viruses (See Enclosed), with corresponding molecular marker sequences.</p>	<p>LAMP assay for CMV (i.e. primer sequence and reaction conditions) intended as public domain. Underlying LAMP technology owned by Eiken Chemical Company; Normal 3rd party licensing may apply (http://www.eiken.co.jp/en/). As of 2020 there is no identified condition that may affect global accessibility to this funded development.</p>

4.	CGIAR-RTB	Cassava seed flow map excel tool	It is an MS Excel based tool that allows for multi-year planning of seed production at breeder, foundation and certified seed classes and allows for the dependencies planning.	This tool was fully developed under the project and has no restrictions attached. Until 2020 there is no identified condition that may affect global accessibility to this funded development.
5.	CGD & Sahel	Cassava Seed Unit Analysis Toolkit (PLM Model)	Dynamic set of integrated operational planning and financial forecasting tools that can be customized to a processor's specific situation and leveraged to analyze the business case for establishing a cassava seed unit. MS Excel-based.	No restrictions. IP associated with Cassava Seed Unit Analysis Toolkit was fully developed under the BASICS project. Until 2020 there is no identified condition that may affect global accessibility to this funded development.
6.	CGD & Sahel	Cassava Seed Unit Analysis Toolkit (PLM Business Case Introduction)	Generalized business case narrative that serves as a companion guide to the PLM Model. MS Word-based	No restrictions. IP associated with Cassava Seed Unit Analysis Toolkit was fully developed under the BASICS project. Until 2020 there is no identified condition that may affect global accessibility to this funded development.



The purpose the BASICS project is to develop a sustainable cassava seed value chain in Nigeria, characterized by the commercial production and dissemination of cassava planting material. The project envisages benefits to farmers and the industry through higher returns from the use of clean planting material of superior stem quality that are made accessible to farmers at the right time and at an appropriate price.