Cassava Seed Tracker ™

www.seedtracker.org/cassava

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Outline

- **Recap – Nigerian seed regulations & standards**

- **CST overview and introduction to key features**

- **Next steps**

- **Demo (post-meeting activity)**

Commercial seed production

Prerequisite

- **Seed company registration Corporate Affairs Commission, including type of seed to be produced (Basic or certified).**

- **Separate registration (trade name) required for each class of seed**

- **Breeder seed remains the responsibility of NARS with crop mandate (e.g. NRCRI) and other organizations recognized by NASC (e.g. IITA)**

CAC

Seed production [Basic and Certified]

- **Pre-planting: Selection of (approved) variety, Field, Source seed and Registration with NASC [1st inspection]**

- **Planting and field management: Spacing, Varietal purity, Incidence of "notified" pest and diseases, weediness [2nd inspection]**

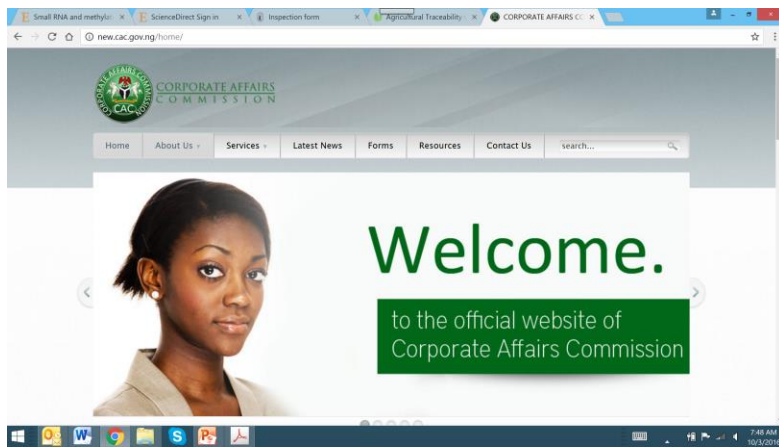- **Harvesting: Incidence of notified pest and diseases, Stem quality, Stem quantity, Labelling [3rd inspection]**

NASC

Registration

http://new.cac.gov.ng/home/
Corporate Affairs Commission - Company Registration Portal

http://seedcouncil.org.ng/

Seed company registration also through NASC web portal also.

Seed field registration
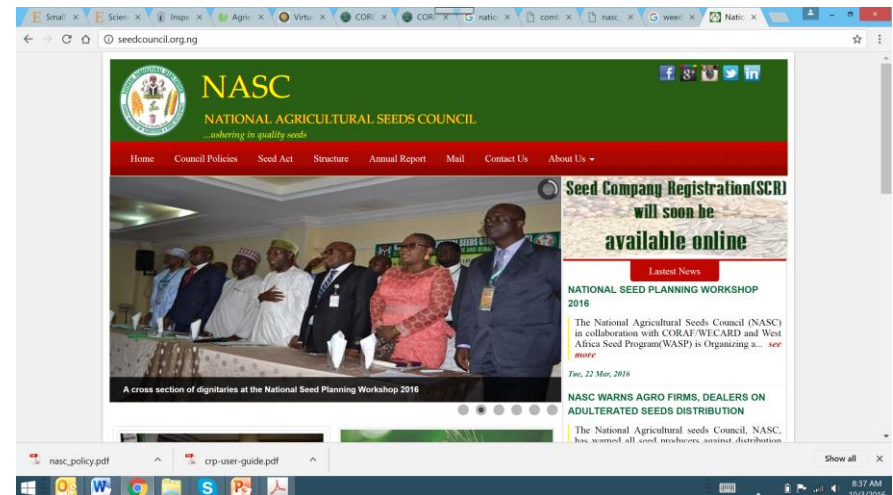
Guidelines for registered seed production

Minimum Quality Control Standards For Cassava Seeds Production in Nigeria

Developed By:

...ushering in quality seeds

NATIONAL AGRICULTURAL SEEDS COUNCIL
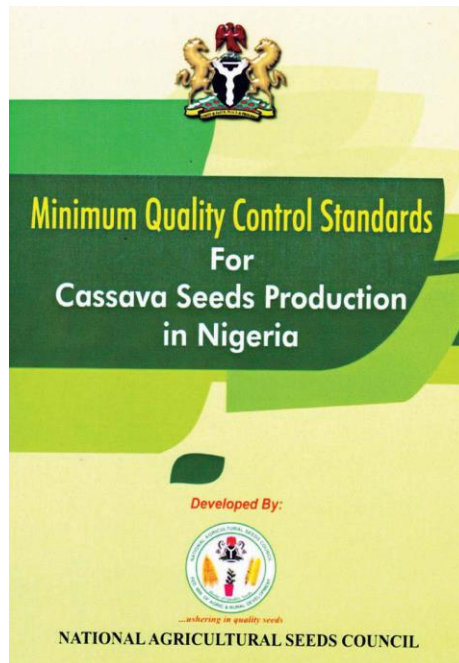
Parameter	Basic seed	Certified
Off type	10%	20%
*CMD (mosaic)	10%	20%
*CAD (Anthracnose)	10%	20%
*CBB (bacterial blight)	10%	20%
Scale insects	0%	20%
CM (mealybug)	10%	20%
CGM (green mite)	10%	20%

*CBB, CMD, CGM only plants with severity ≥3 are scored

- Minimum isolation distance 5 m
- At least 7 months old
- Stem girth of ~1.5 to 2.5 cm
- About 1 m stems; 50 stems per bundle
- Ratooning or regeneration
  - 2x for Basic seed
  - 3x for certified seed

Cassava seed tracker

Integrated seed resource management software
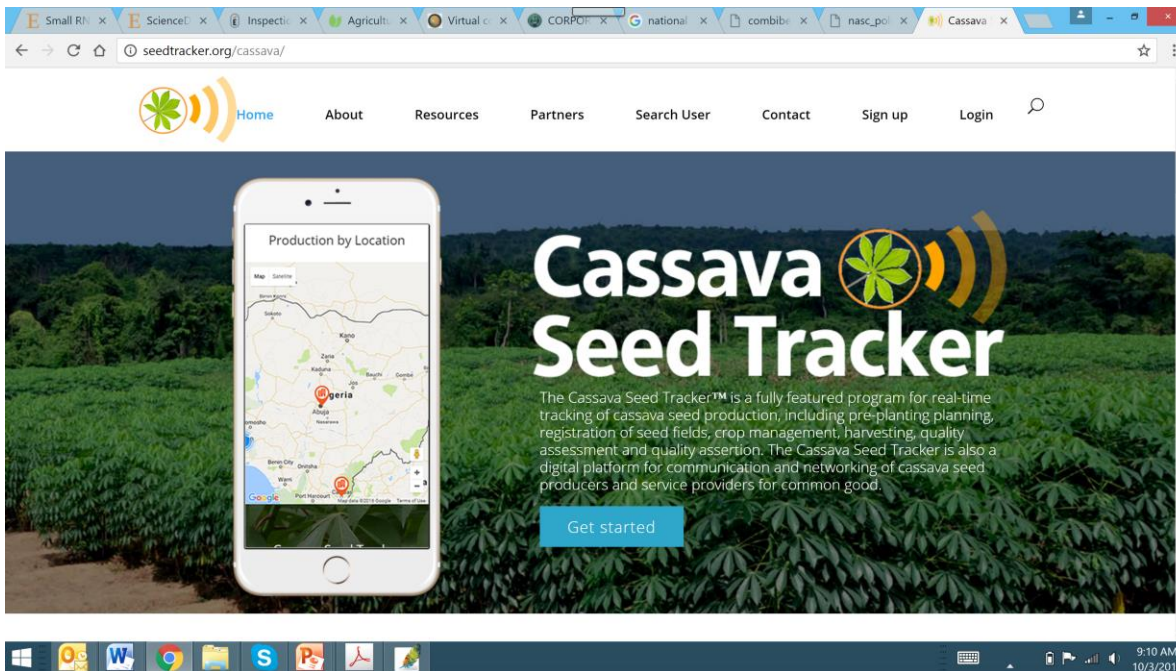
- **Secure**
- **Secure data**
- **Personalized data**

Producers **Researchers** **Traders**

Regulators **Extension specialists** **Logistics/input dealers**
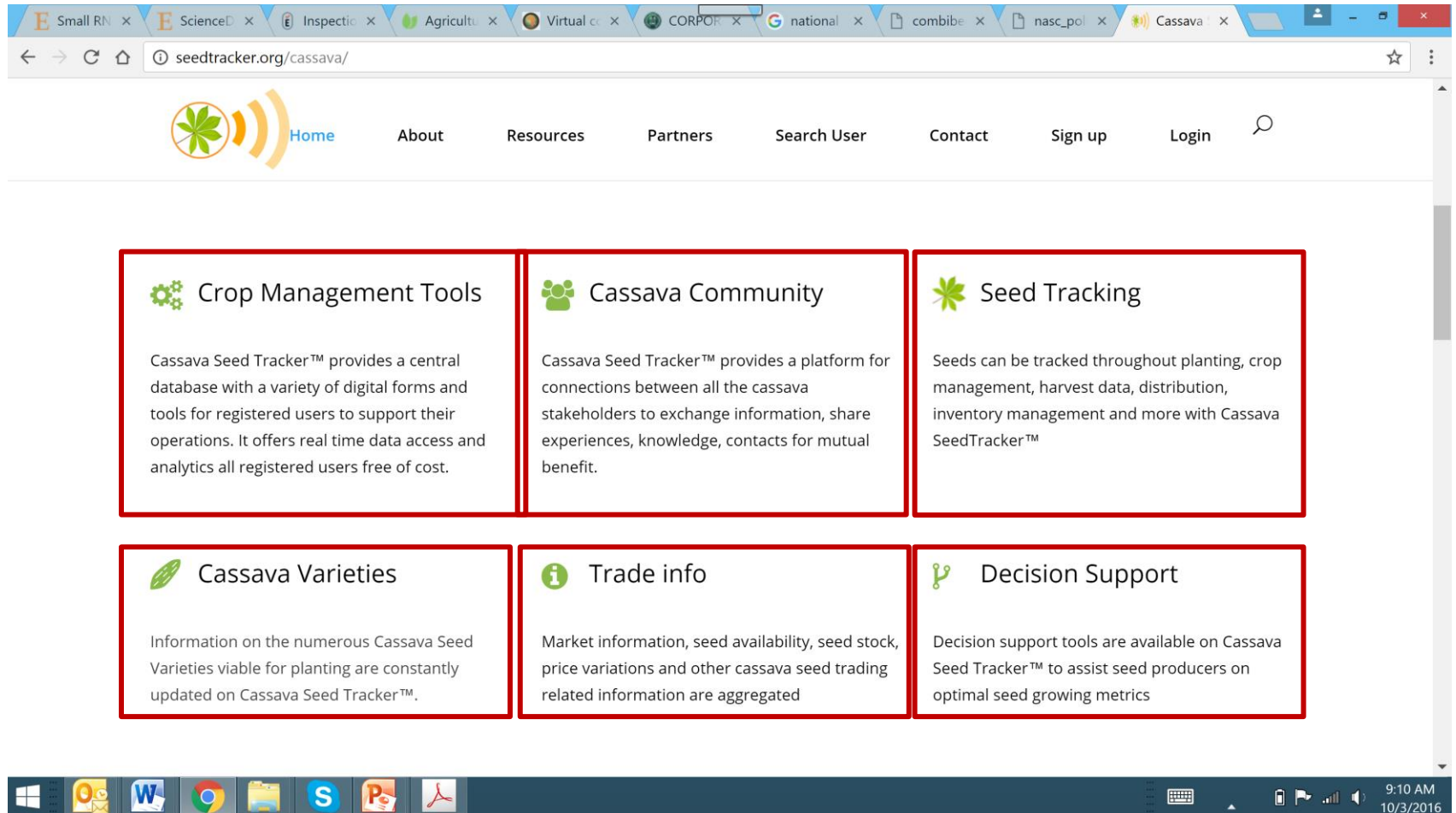
Inventory of costs / seed stock **Registration (on-line forms)**

Tool set (weather, cost estimation, crop management decision support, etc.

Flexible platform to tailorable to user needs, other crops and countries

Cassava seed tracker

Variety of features

Cassava seed tracker

Interactive map

Cassava seed tracker

Input forms – Dash board

Input forms – Dash board

- **Pre-planting information**
  - **Information communication to regulators**
  - **Regulators review information and feedback**
  - **Registration fee payment**
- **Planting**
  - **Spacing and crop management details**
  - **Post-planting inspection (2nd inspection)**
  - **Check list and quantitative data for quality thresholds**
- **Harvesting**
  - **Check list and quantitative data for quality thresholds**
  - **Barcoding (QR Code)**
- **Traceability** (QR Code)
  - **Field registration to post harvest tracking**

Next steps

- **CST user registration**

- **Training in using data entry forms**

- **Populating CST site with information and tools**

- **Single singing on QR coding**

- **Bug fixing**

- **Scoping for server set-up in NASC**

- **Training NASC**

- **Integration into NASC website**

- **Full launch in the BASICS 2nd annual meeting - 2017**

Acknowledgments

www.seedtracker.org/cassava

Thanks for Your Attention

BASICS

BUILDING AN ECONOMICALLY
SUSTAINABLE, INTEGRATED
CASSAVA SEED SYSTEM

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.