



INTRODUCTION TO REAL-TIME PLATFORMS:

rtSurvey, rtWork and rtHome

REAL-TIME ANALYTICS

2018 | info@rta.vn

REAL-TIME ANALYTICS: WHO WE ARE?



rtSurvey

Real-Time Survey:
for survey data
collection projects



rtWork

Real-Time Workspace:
all-in-one workspace
for projects and
organizations



rtHome

Real-Time Home: App
for end-users to
interact with orgs
using rtWork



REAL-TIME SURVEY

**THE SURVEY PLATFORM THAT PROVIDES
ALL THE NEEDED TOOLS TO RUN A
COMPUTER-ASSISTED PERSONAL
INTERVIEW (CAPI) SURVEY ON MOBILE
DEVICES (ANDROID AND iOS)**

REAL-TIME SURVEY: COMPETITORS

COMPETITORS:

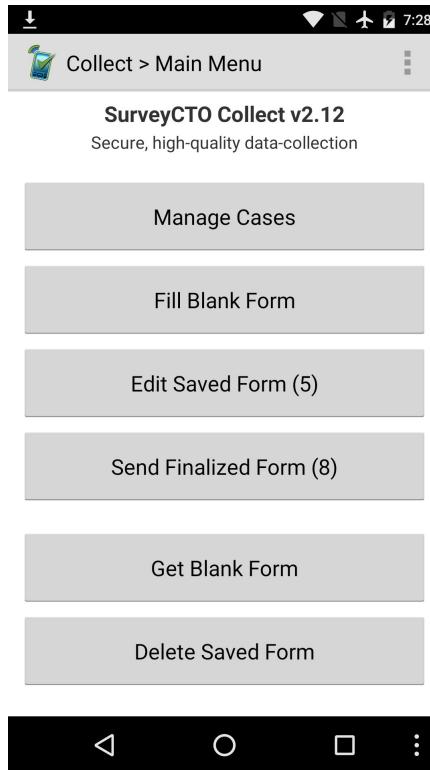
- ODK: <http://opendatakit.org>
- SurveyCTO: <http://surveycto.com>
- World Bank's Survey Solutions:
<https://solutions.worldbank.org>
- Magpi: <http://home.magpi.com>

REAL-TIME SURVEY: COMPARISON

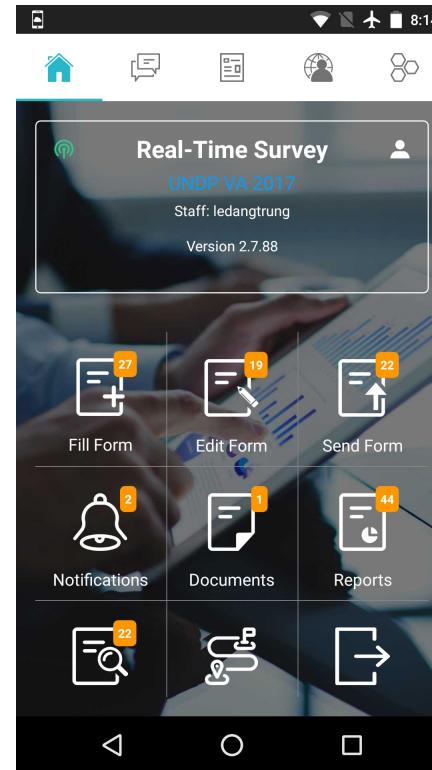
	COMPETITORS:	REAL-TIME SURVEY:
- Data Entry	Yes	Yes
- Data Cleaning	No	Yes
- Data Analysis	No	Yes
- Survey Management	No	Yes
- Supportive utilities	None	Many
- Mobile platforms	Android	Android, iOS

REAL-TIME SURVEY: COMPARISON

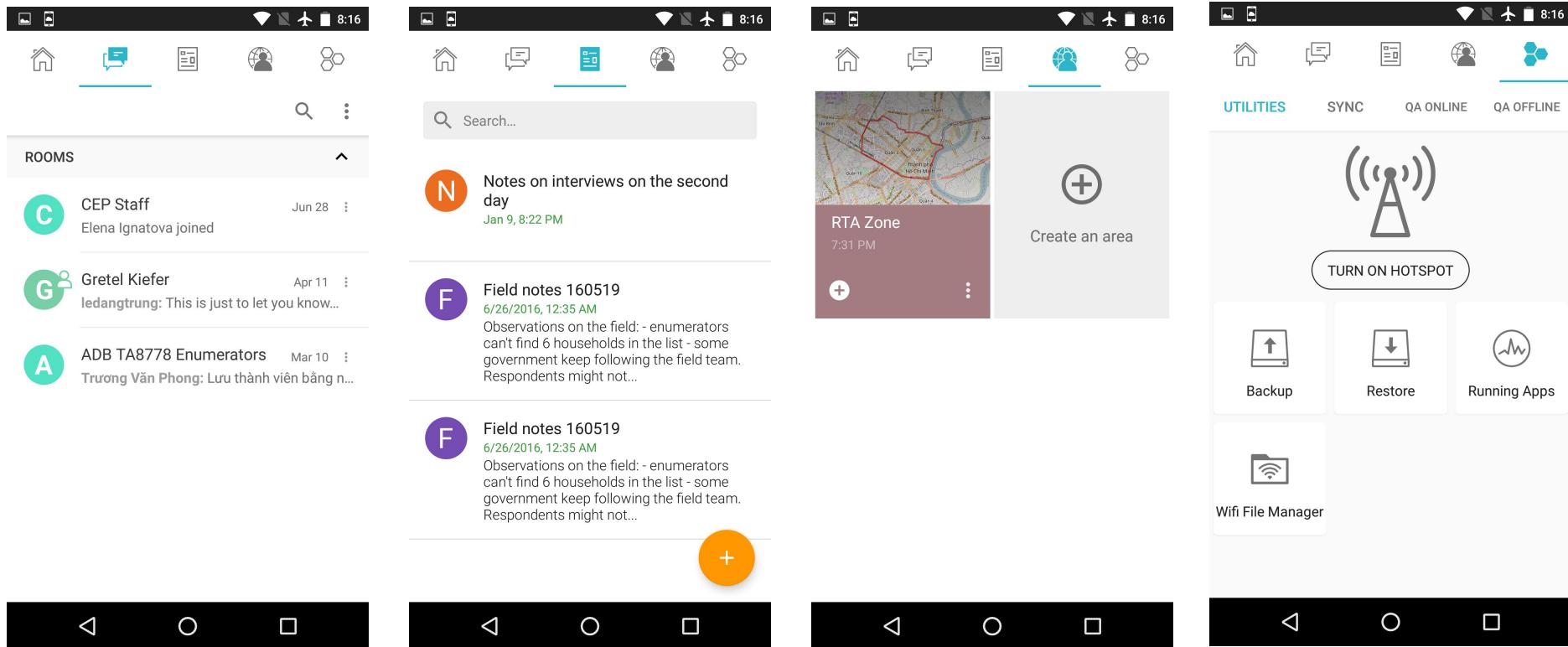
COMPETITORS:



REAL-TIME SURVEY:



REAL-TIME SURVEY: CLOSER LOOK



REAL-TIME SURVEY: CLOSER LOOK

The image displays four screenshots of a mobile survey application interface, likely from an Android device, showing different sections of a survey form.

- Screenshot 1:** Shows a list of survey forms:
 - BFA-CEP GEOCODING (3 - 1702231706) Version 1702231706
 - BFA-CEP Official (G3 v1702151116) Version 1702151116
 - BFA-CEP Training (G3 v1702151117) Version 1702151117
 - CEP CLIENTS CHÍNH THỨC (G1 v1703081930) Version 1703081930
 - CEP clients mobile money survey (G2 v1703081847) Version 1703081847
 - Enumerator Evaluation Form (Version 1610271323) Version 1610271323
- Screenshot 2:** Shows a question in Vietnamese:

13. Theo anh/chị, ví điện tử có thể sử dụng vào những mục đích nào? *

ĐTV không đọc phương án trả lời

Gửi tiền cho gia đình và bạn bè
 Nhận tiền từ gia đình và bạn bè
 Nhận tiền lương từ công ty/cơ quan
 Gửi tiền tiết kiệm
 Trả nợ
 Trả hóa đơn
 Trả tiền mua bán và sử dụng hàng hóa, dịch vụ
 Mua thẻ điện thoại
[Nêu rõ](#)
- Screenshot 3:** Shows a section titled "1. SURVEY AND INTERVIEW MANAGEMENT > Introduction":

1.3. INTRODUCTION
INFORM AND CLARIFY WITH AH AT START OF SURVEY

1.3.1 Do you agree to participate in this survey?

[Yes](#) [No](#) [Withdraw](#)

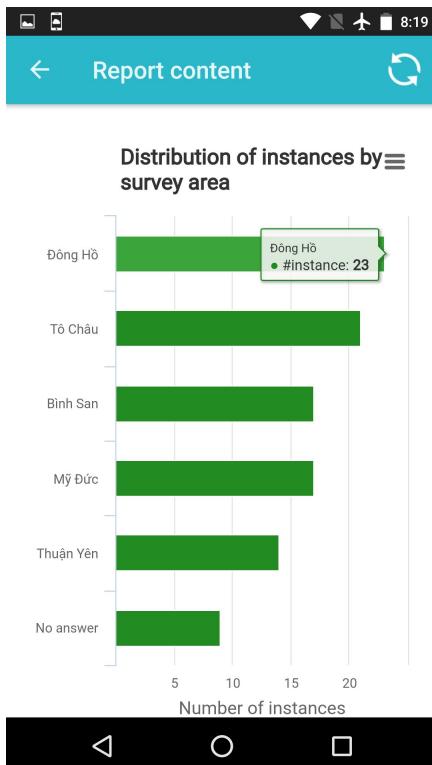
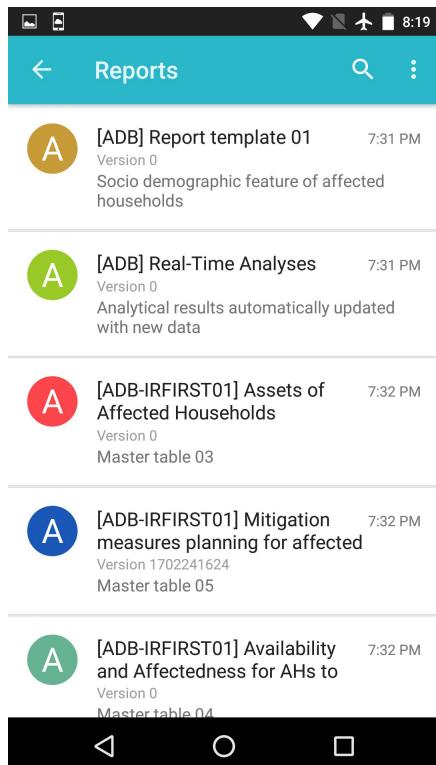
1.3.2 Has your household (HH) been informed that the Project is at a study stage, and will contact you again (after 1/2 or several years) for formal land acquisition procedures in case the Project will be implemented?

[Yes](#) [No](#)

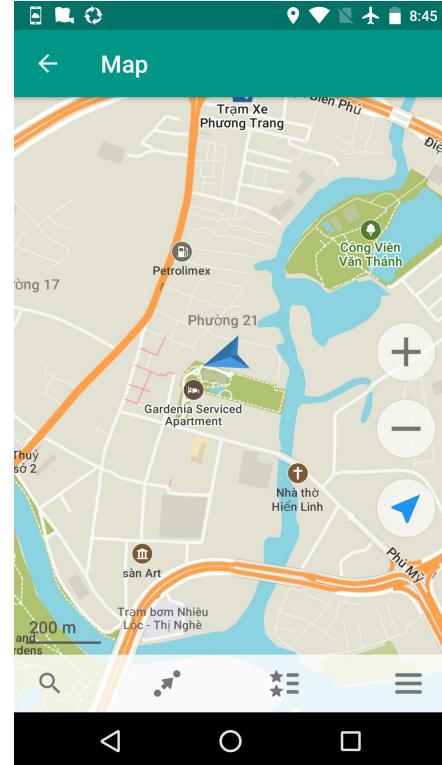
1.3.3.1 Has your HH been consulted by the Project?

[Yes](#) [No](#)
- Screenshot 4:** Shows a section titled "[ADB] IRFIRST01 PL2 - F...":
 - 4.4. AFFECTED AND TOTAL TREES**
 - 4.5. AFFECTED CROPS**
 - 5.1 PHYSICAL DISPLACEMENT (RELOCATION)**
 - 5.2 COMPENSATION**
 - 5.3 ECONOMIC DISPLACEMENT (LOSS / REDUCTION OF INCOME)**
 - 5.4 KEY MITIGATION PLANNING CRITERIA**
 - 5.5 ATTITUDE TOWARDS PROJECT**

REAL-TIME SURVEY: CLOSER LOOK



-
- This screenshot shows the 'Notifications' screen. It lists several notifications from a user named 'ledangtrung' with various due dates and messages.
- Feb 27, 2:43 PM Due: 2/27/2017, 7:00 PM Vui lòng hoàn thành 10 khảo sát trước 5pm hôm nay (Feb 27, 2017)
 - Feb 27, 2:42 PM Chào Trung, vui lòng hoàn thành 5 khảo sát ngày hôm nay.
 - Oct 24, 10:07 AM Due: 10/24/2016, 6:00 PM Submit all the completed interviews by 6pm, today
 - Oct 24, 10:05 AM Hi welcome to 2nd IRFIST Pilot
 - Oct 23, 1:00 PM Due: 10/21/2016, 11:00 PM Welcome to IR-FIRST Training. We need to master the questionnaires today!

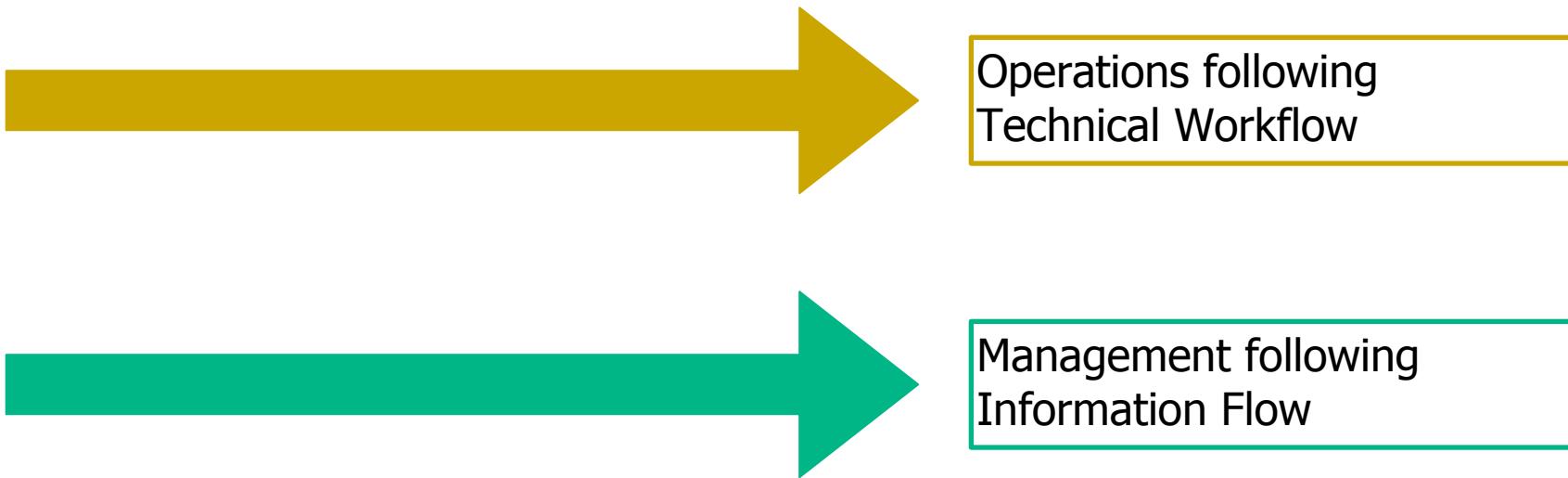




REAL-TIME WORKSPACE

**THE TECHNOLOGY THAT EXISTS TO SOLVE
THE TRADITIONAL MANAGEMENT
PROBLEMS**

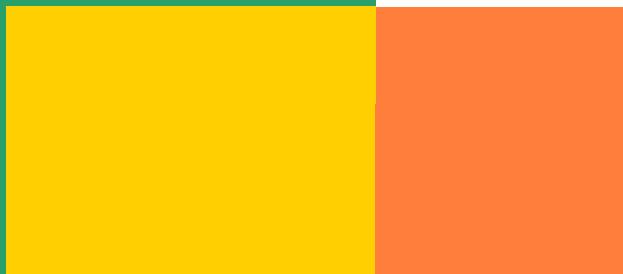
CONVENTIONAL MANAGEMENT APPROACH



CONVENTIONAL MANAGEMENT APPROACH: WHY IS IT SO WRONG?



The conventional
MANAGEMENT mechanism
is heavily flawed by design!



Data generated by operations



Good data captured by system



Bad data captured by system

HOW OPERATION SHOULD BE MANAGED?

Real-Time Workspace



Technical Workflow
&
Information Flow

In One System: **rtWork**

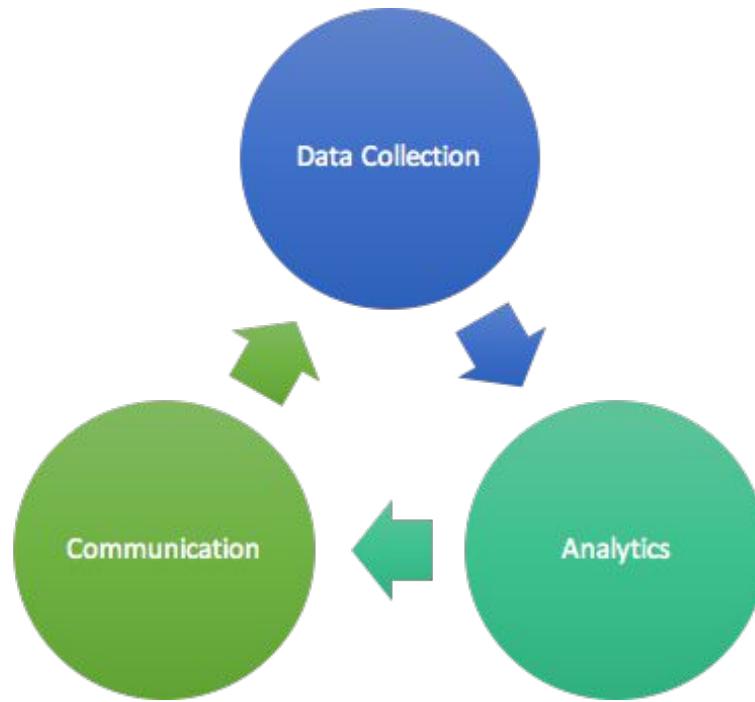
WHEN TW & IW IMPLEMENTED IN 1 SYSTEM

- 
- Benefits are fully captured
 - No data are leaked
 - Even no reporting tasks are needed, saving huge amount of costs

**This is our
New Approach!**

HOW DO WE SOLVE THE MANAGEMENT PROBLEMS?

REAL-TIME WORKSPACE HAS 3 POWERFUL ENGINES:



TO EXECUTE WORKFLOWS IN REAL-TIME



DEMONSTRATED USE CASES

FARM MANAGEMENT: THE CASE OF BANANA



EVERY BANABA TREE IS ID TAGGED



Ngày trồng: 30/03/2017

Lô

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

Líp

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

Hàng

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

STT cây

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	0
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← ○ □

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Líp

1	2	3	4	5	6	7	8	9	0
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Hàng

1	2	3	4	5	6	7	8	9	0
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STT cây

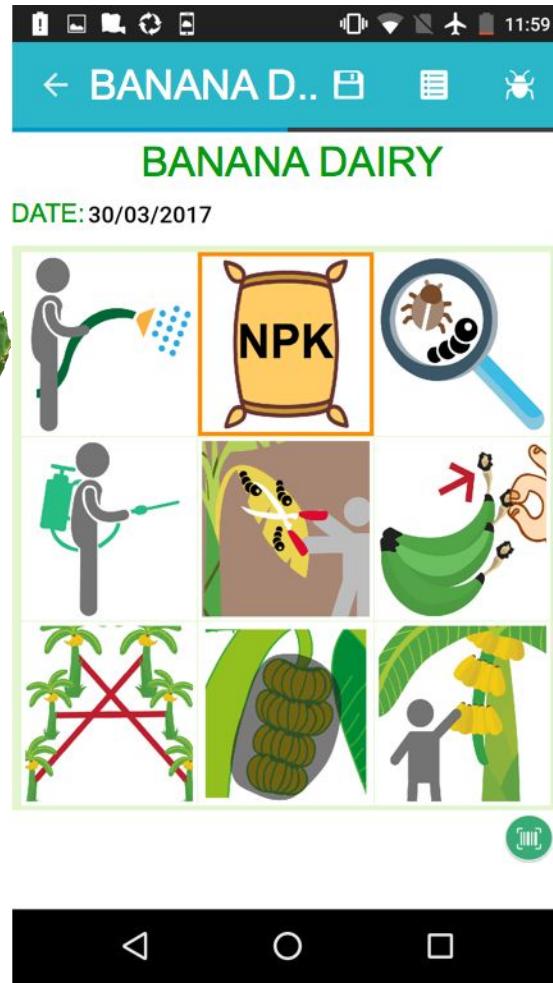
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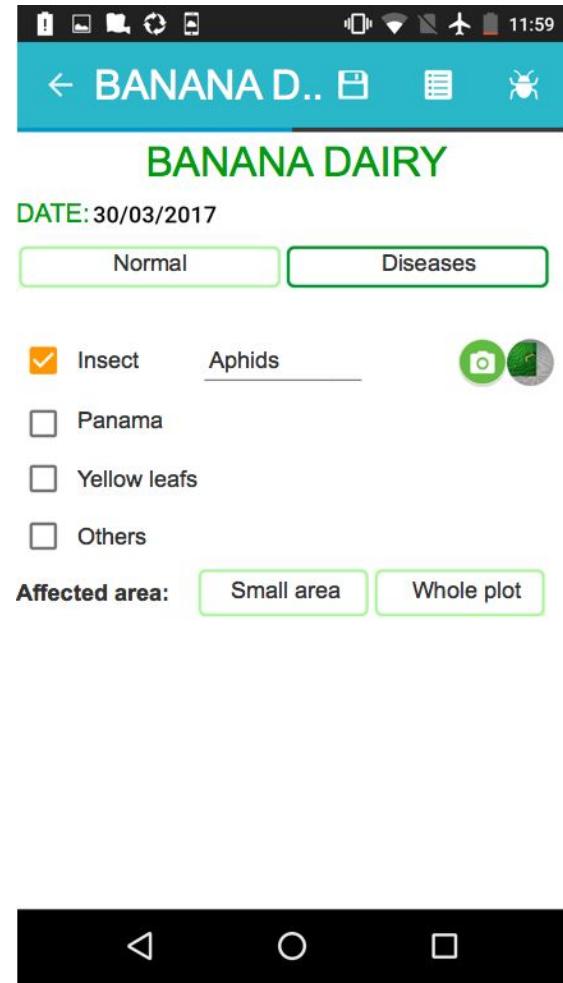
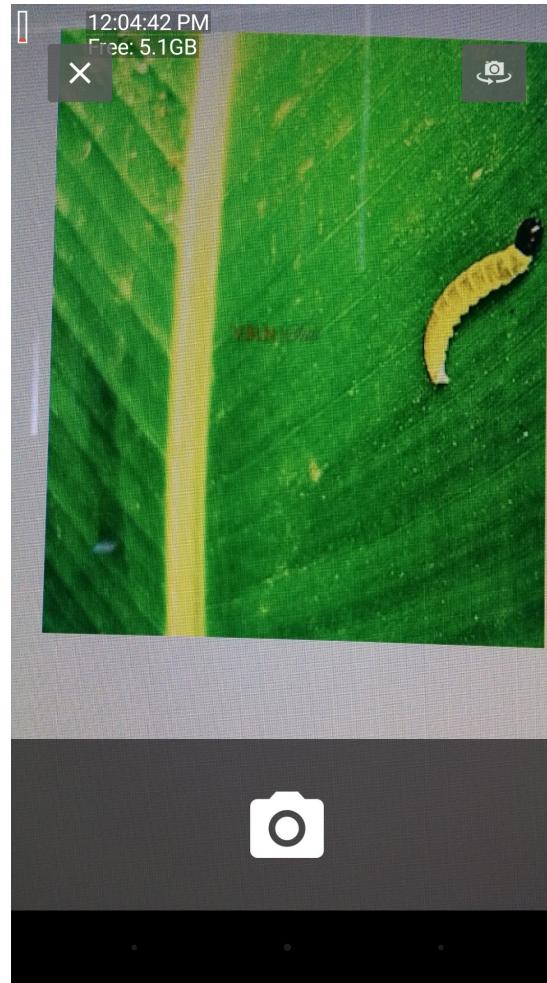
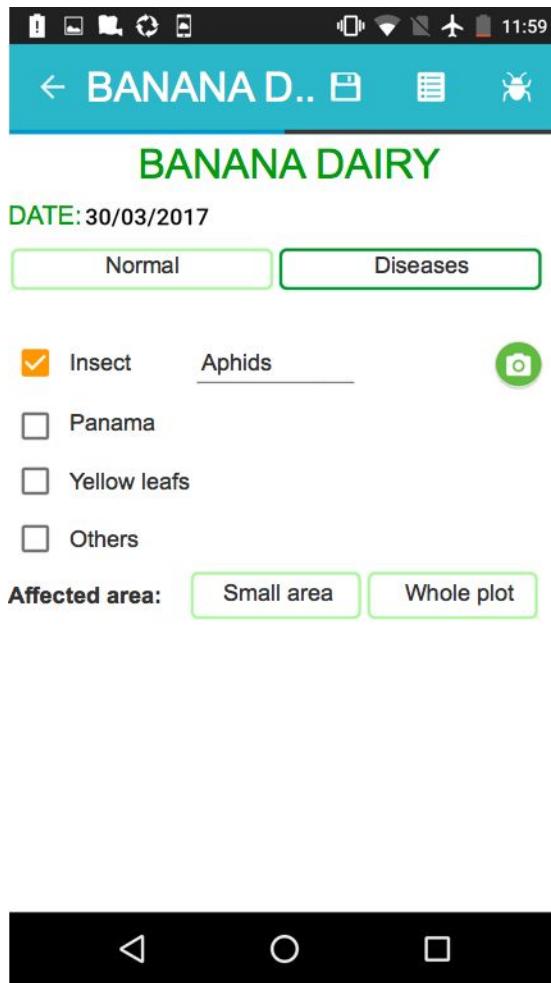
REAL-TIME ANALYTICS

← ○ □

EVERY ACTIVITY TO THE TREE IS CAPTURED



DESEASES CAN BE RECORDED



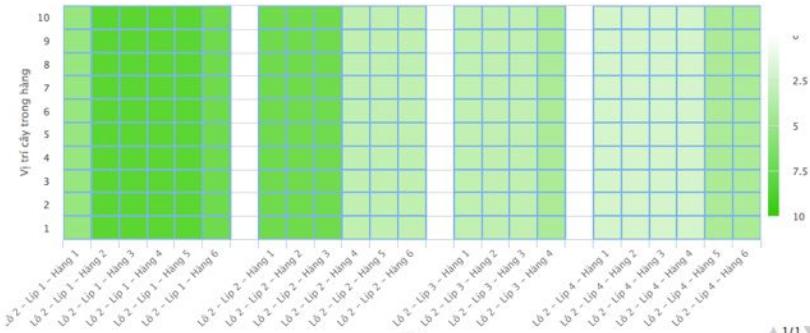
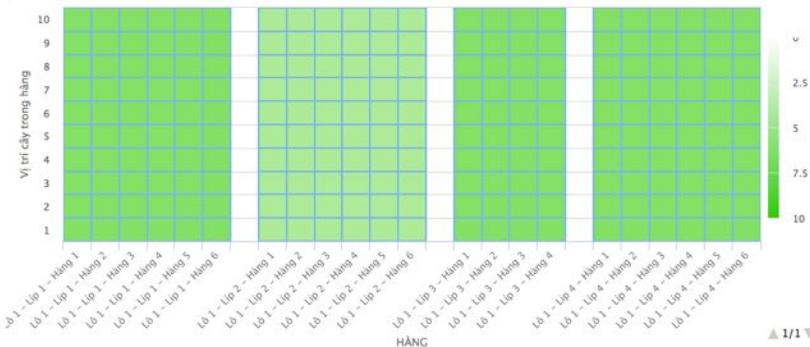
REAL-TIME ANALYSIS MAKES FARM MANAGEMENT HIGHLY EFFICIENT

Analytics: Banana Farm Management

Chọn rẫy:	Chọn lô:	Chọn lấp:	Quan sát:
Rẫy Đức Huệ	Lô 1 Lô 2 Lô 3	Lấp 1 Lấp 2 Lấp 3 Lấp 4	Mức độ sinh trưởng

Người phụ trách: Dương Ngọc Huyền, Nguyễn Vũ Hoàng, Hoàng Minh Hải, Võ Ngọc Đan Thành, Hà Thị Phúc
- Mức độ sinh trưởng
- Biểu hiện là

Tổng số cây: 480
- Chưa trưởng thành: 230
- Bình thường: 451
- Trưởng thành: 210
- Biểu hiện là: 12
- Có thể thu hoạch: 40
- Có bệnh: 17

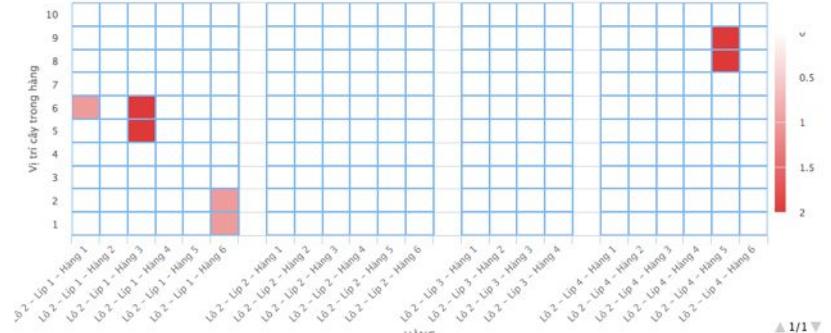
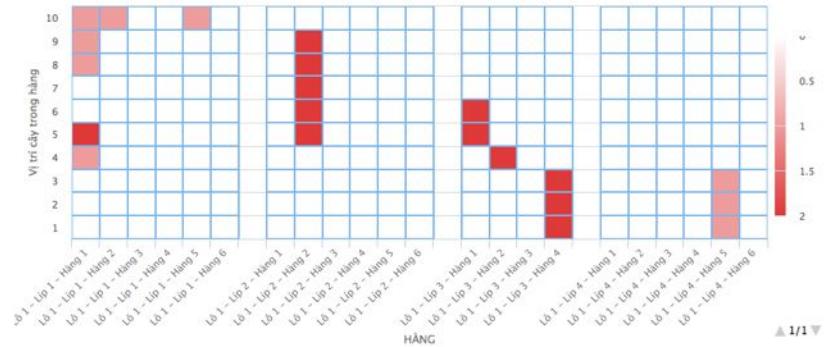


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WORKFLOWS UNDER DEVELOPMENT

AGRICULTURE:

VEGETABLES, RICE, FRUITS & COFFEE:
IN COLLABORATION WITH CIAT-VIETNAM.
BLOCKCHAIN IS USED FOR FARM MANAGEMENT

AQUACULTURE: FISHERY AND SHRIMP

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