INTRODUCING ELMO
WHY DID WE START THE ELMO/NEMO PROJECT?

In 2011, there was a lack of cost effective tools for electronic data collection that provided real time reporting options. The Open Data Kit project from the University of Washington provided a foundation to build on, but their initial product came with a high learning curve and lacked the real time reporting functionality needed by The Carter Center.
HEADQUARTERS & POLLING STATION: SLOW COMMUNICATION
HEADQUARTERS & POLLING STATION: REAL-TIME COMMUNICATION

Polling Center ➔ DATA ➔ CUSTOMIZATION ➔ Headquarter
Examples of where and how TCC worked with ELMO:

- **Election monitoring (ELMO):**
  - Liberia, Libya, Egypt, Nepal, Mozambique (tablets)
  - Cherokee Nation, Tunisia, Guyana, Myanmar, Kenya (smart phones)
  - Democratic Republic of Congo (SMS); currently scaling for upcoming elections
  - Myanmar (planning long-term transition reporting on laptops)

- **Human Rights Reporting (NEMO):**
  - Burundi (Smart Phones and SMS)
  - Democratic Republic of Congo (Tablets and SMS)
  - Syria (Pilot)

- **Health Pilots (NEMO):**
  - Ethiopia (Field Server)
  - Nigeria (Field Server)

- Institute for Developing Nations (IDN) Research
  - India, Vietnam, Indonesia, Iraq
HEALTH PILOTS

- Current electronic data collection:
  - Behavioral surveys
  - Serological surveys
  - Village summaries
  - Entomological surveillance record keeping (this is something I’m dying to have happen)

- Potential electronic data collection:
  - Routine reporting within the health system
DATA COLLECTION: HOW DO WE DO IT
LATEST RESPONSES

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RESPONSE LOCATIONS

SUMMARY

- **0 Recent Responses**
- **573 Total Responses**
- **65 Awaiting Review**

TOP FORMS

- Polling: 380
- Opening: 36
- Counting: 35

LOW ACTIVITY

- Pascale: 0
- STAFF 3: 0
- STAFF 4: 0

2.01 POLLING SUMMARY

Generated at Apr 13 2016 02:37

Mission: Tunisia Presidential 2014

Form: Polling

Total Submissions: 380

Non-reporting Observers: LTO 1, LTO 2, LTO 3, LTO 4, LTO 5, Pascale, STAFF 1, STAFF 3, STAFF 4, STAFF 5, STAFF 6, STAFF 7, conneccarter

### Average | Minimum | Maximum

- **Time of Arrival**
  - Average: 12:39
  - Minimum: 07:40
  - Maximum: 17:40

Deployment Zones

- **Ariana**: 4.5% (17)
- **Ben Arous**: 2.4% (9)
- **Beja**: 3.7% (14)
- **Bizerte**: 6.1% (23)
- **El Kef**: 2.9% (11)
- **Gabes**: 3.2% (12)
- **Gafsa**: 2.6% (10)
- **Jeniouiba**: 2.9% (11)
- **Kairouan**: 5.0% (19)
- **Kasserine**: 2.9% (11)
- **Kebili**: 3.7% (14)
- **Mahdia**: 2.6% (10)
- **Manouba**: 2.6% (10)
- **Mednine**: 3.2% (12)
- **Monastir**: 3.9% (15)
- **Nabeul**: 2.6% (10)
- **Nabeul II**: 3.2% (12)
- **Sfax I**: 5.8% (22)
- **Sfax II**: 3.2% (12)
- **Sidi Bouaz**: 6.1% (23)
- **Siliana**: 3.7% (14)
- **Sousse**: 2.4% (9)
- **Tataouine**: 2.9% (11)
- **Tozeur**: 3.2% (12)
- **Tunis I**: 5.8% (22)
- **Tunis II**: 6.6% (25)
- **Zaghouan**: 2.6% (10)

Urban | Rural

- **Urban**: 6.6% (25)
- **Rural**: 2.6% (10)
SUBMITTING TO ELMO VIA ONLINE WEB FORM IN ELMO
SUBMITTING TO ELMO VIA TABLET USING ODK COLLECT

Record your GPS location:
If using a tablet, press the button which says "Record Location" and wait for the GPS coordinates to be recorded.

Replace Location

Latitude: N 16°48'1"
Longitude: E 96°10'6"
Altitude: 0m
Accuracy: 37.5m

Which, if any, of the following prohibited or disruptive circumstances did you observe OUTSIDE the *center*?

- [ ] Prohibited campaigning
- [ ] Prohibited campaign material
- [ ] Ineffective queue management
- [ ] Intimidation
- [ ] Violence
- [ ] Significant disorder
- [ ] Security (beyond regulations)
- [ ] Bussing activities
- [ ] Other
SUBMITTING TO ELMO VIA SMS

**SMS Form**

Please read all instructions to begin. You will use this paper first and then your phone.

1. **Paper**
   a. Write your user/team name here: [ ] For paper record only
   b. First answer all the questions below and fill in each dashed box, e.g.: [\_\_\_] [\_\_\_]

2. **Phone**
   a. With your phone, begin an SMS to [unknown number].
   b. Enter the contents of each line on the right side of the page, going from top to bottom.
   c. Periods are denoted by \( . \) and spaces are denoted by \( \_ \). It is important to enter both periods and spaces.
   d. Example SMS: 3439 tva 1.c 2.c/f 3.27 4.d 5.door was locked 6.20160401 7.c

**SMS Message**

**User authorization code (required)**

Unknown

**Unique form code (required)**

1. **Polling Station ID:** Write your answer in the box. Abbreviate if necessary.
   1 [\_\_\_\_\_\_\_\_] [\_\_\_\_\_\_\_\_\_\_\_]

2. **Polling Station ID:** Write your answer in the box. Abbreviate if necessary.
   2 [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]

3. **Insert your arrival time (please use 24 hour clock):**
   For example: 3:00 pm should be 15:00 hrs. Write your answer in the box. Use HHMM format. e.g. 0939
   3 [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]

**To:** +12223334444
abcd xyz 1.a 2.f 3.turl 4.a 5.20150815 6.a

This is the authentication code [2.1]

This is the first answer [2.2]

This is the second answer [2.3]
Interested in learning more?

Please visit getelmo.org for the latest on the ELMO project.