MDCS Support Tool

NOMAD Workshop, Mach 2012
Introduction

• Background

• Decision Tree

• Implementation

• Interface
Background

• Research
  – The research identified and described existing mobile data collection systems

• Website created by CartONG
  – The template and website style established by CartONG
Implementation

• WordPress
  – HTML, CSS and JavaScript
Implementation

- Client Based System
  - To increase user experience (*speed*)
  - JavaScript Object Notation (JSON)
Implementation

- User Input
  - JSON
- Decision Tree
  - JSON
- Decision Tool
  - JSON

```java
public LogicFilter(userInput) {
    if (decisionTool != userInput) {
        // Logic filter based on user input and JSON arrays to determine
        // - Filter on tool list
        // - Previous/next options
    }
}
```
Implementation

• dompdf
  – On the fly PDF
Interface

- Interactive forms including sub-list and navigation
Interface

• Question tool-tips

Question 1 is asking whether your organization has already identified or purchased Mobile Devices (MD) for the survey you would like to undertake.
Interface
• Form validation with pop-up
Interface

- Instant access to details on mobile devices
Interface

• Summary results via PDF

Results!
The following solutions may suitable for your requirements...

• Nokia
• Oasis
• Open Data Kit

Download Decision Tool Summary

*If you encounter any problems or wish to know more, please contact the NOMAD team.
Interface

- Registration for access to PDF
Interface

• PDF download
Outcomes

- Database and input system to maintain MDCS