Midway on a trek across 1,200 miles of central Africa, ecologist J. Michael Fay encounters choking vegetation, impassable swamps, and rumors that the virulent Ebola virus has struck gorillas in Gabon. Fay's team plunges ahead into an isolated and uncharted wilderness.

A gorilla peers through the forest in Congo's Odzala National Park, where the apes are abundant. Across the Ivindo River in neighboring Gabon, they seem to have all but vanished.

THE GREEN ABYSS

MEGATRANSECT PART 2

A JOINT PROJECT OF THE WILDLIFE CONSERVATION SOCIETY
AND THE NATIONAL GEOGRAPHIC SOCIETY

BY DAVID QUAMMEN
PHOTOGRAPHS BY MICHAEL NICHOLS
NATIONAL GEOGRAPHIC PHOTOGRAPHER

Solution | Lean & Rapidly Deployable Demand-side Data Infrastructure

COSMOS

Results and Visualization

AI Forecasts

National, Regional and City Level Aggregation

Ubiquitous web crawlers
(15s to hr data)

Android & iPhone Utility APIs
(Monthly data)

Distributed Sensors & Critical Sampling
(5s data)
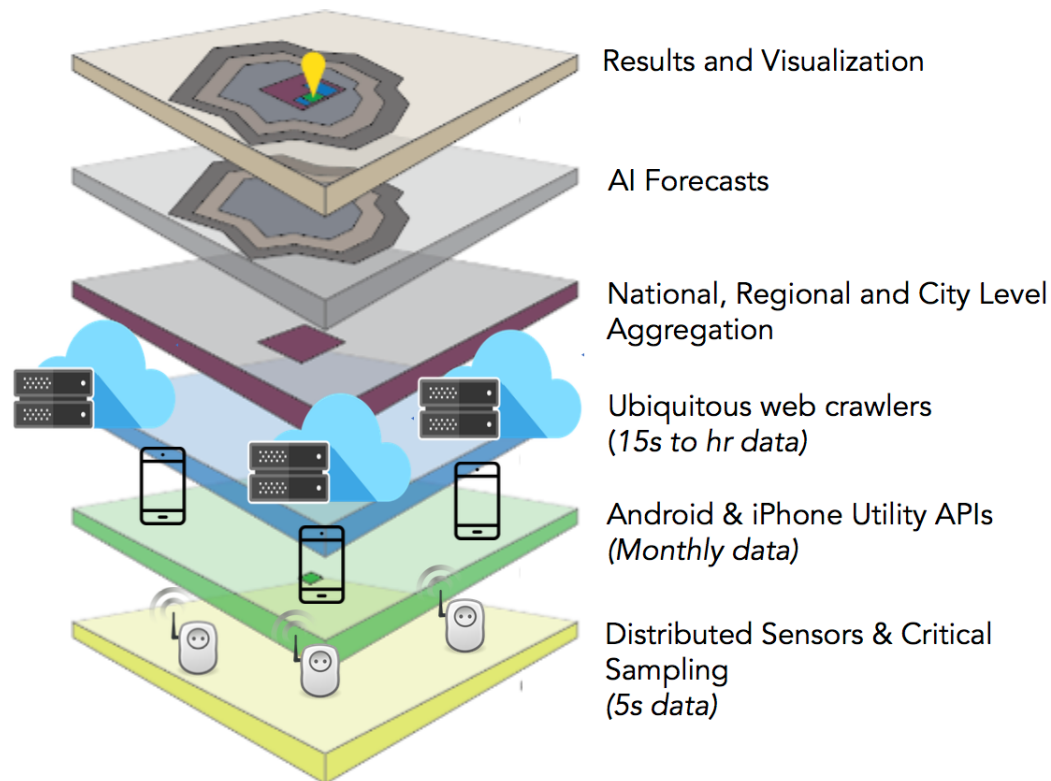
A Global Demand-Side Data Technology Stack

1. Deployed in months, not decades

2. Leapfrogs decades of legacy infrastructure and $100M's

3. Users & Generators as implementation partners, then utilities

xinampa

Pitch for Impact

1. Tell a story: What is the problem you are trying to solve and why? What is your solution? Who is impacted by your solution?

2. Keep the focus on your solution, not the problem

3. Keep the evaluation criteria in mind: Who is evaluating you?

4. How do you scale your solution and how much does it cost?

5. How will you overcome your biggest barriers?

Hackathon Competition and Pitch

Criteria

1. Collaborative Spirit: Respect, Collaboration, and Curiosity (5)
2. Completeness of PI + AI Implementation (3)
3. Creativity of Solution (15)
   - Creativity of Solution
   - Creativity in use of Data
   - Creativity in Pushing Knowledge Beyond what you Learned
4. Impact (15)
   - Scalability of your solution
   - Cost of Implementation
   - Significance
5. Accuracy of Implementation (Algorithm) 15

7 minute pitch

1. What is the problem? How big is the problem? Why is there a need for your solution NOW? Use Numbers.
2. What is your solution – explained in words <Elevator Pitch>
3. Demo
4. Impact at Scale – If you succeeded how big would the change be?
5. Cost of Implementation