Regional Consultative Workshop on El Nino in Asia-Pacific

Big Data Revolution for Sustainable Development and Humanitarian Action

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GLOBAL PULSE

United Nations Global Pulse

A flagship innovation initiative of the UN Secretary-General on the Data Revolution

"Big Data harnessed responsibly as a public good"

WHAT PEOPLE SAY

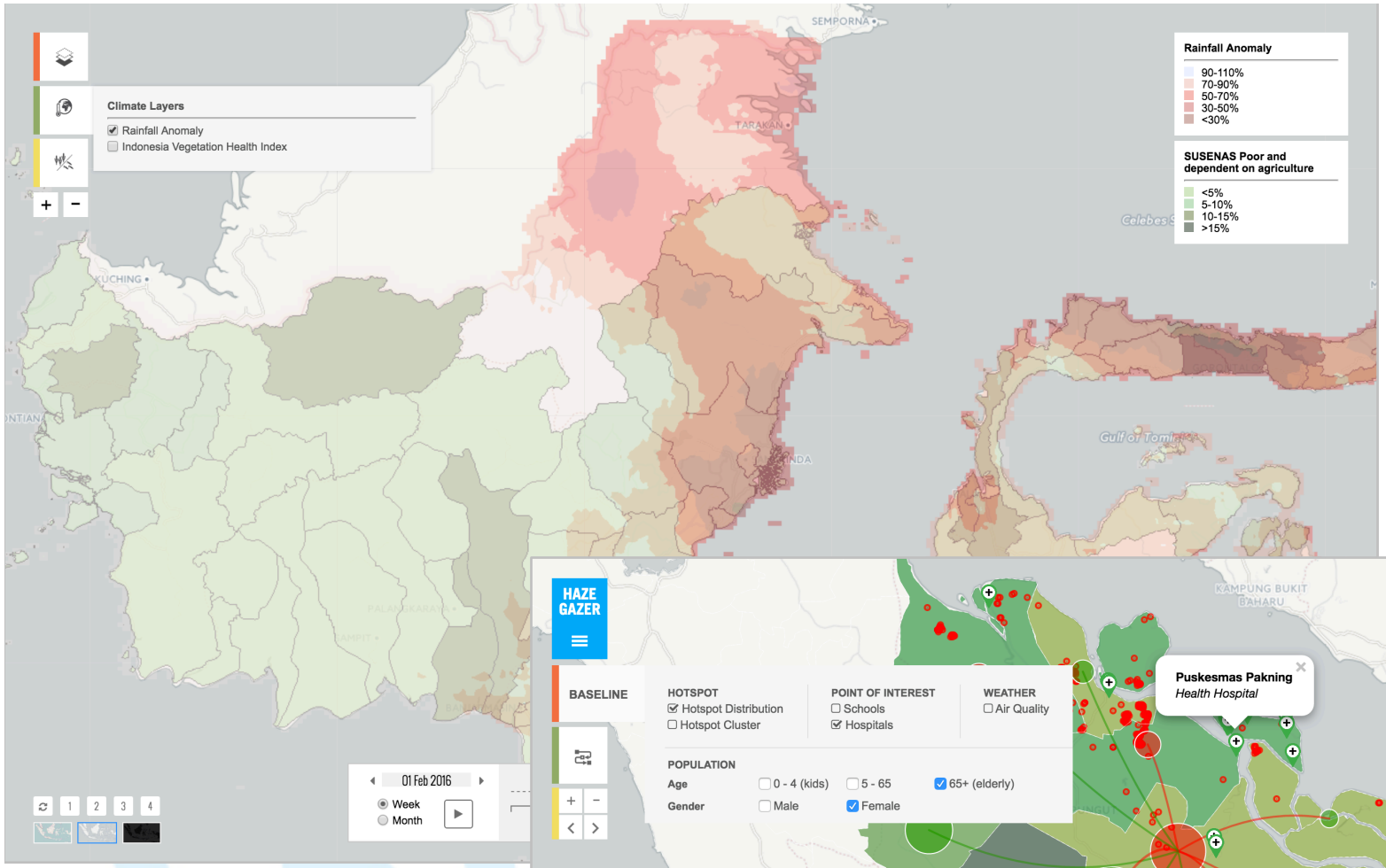
- Social media (content focus)
- Online advertisement
- Complaint system
- Radio

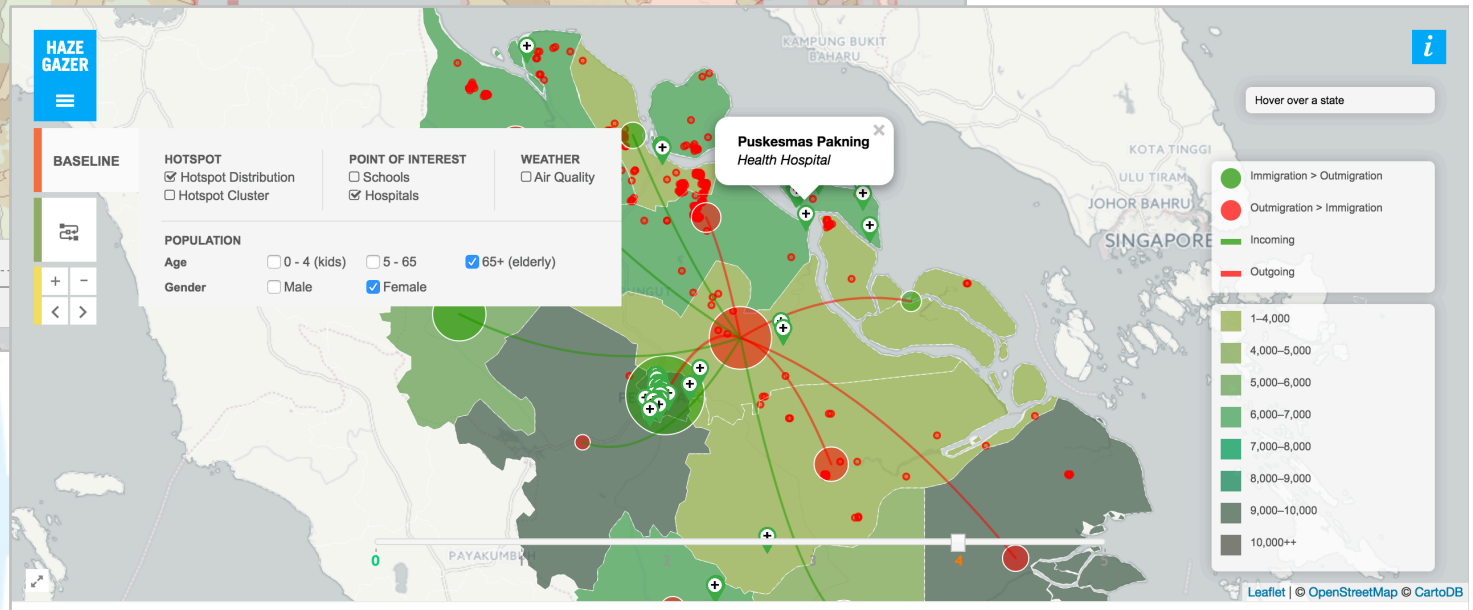
WHAT PEOPLE DO

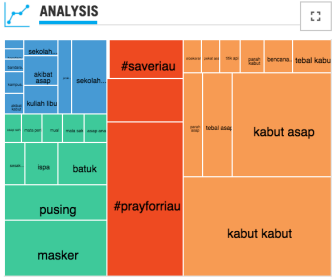
- Social media (location focus)
- Mobile data
- Utility usage data
- Postal data
- Transportation data
- Searching keywords
- On-/ offline retail data
- Remote sensing

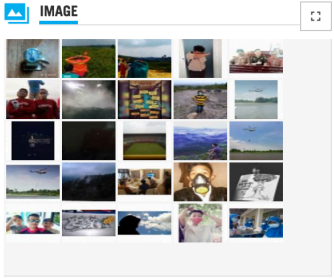
GLOBAL PULSE

PULSE LAB JAKARTA
DATA
PHILANTHROPY
&
CROWDSOURCING
Government
Private Sector
Open Source Technologists
Community Groups
Academia
Local Entrepreneurs
Foundations & NGOs
United Nations
PULSE LAB JAKARTA
DATA
TOOLS
EXPERTISE
TRACK 1
INNOVATION DRIVER
DATA INNOVATION PROJECTS
TRACK 2
ECOSYSTEM CATALYST
POLICY, ADVOCACY & ADOPTION
PROTOTYPE
TEST
NETWORK
PULSE LAB JAKARTA


Climate Layers
Rainfall Anomaly
Indonesia Vegetation Health Index
Rainfall Anomaly
90-110%
70-90%
50-70%
30-50%
<30%
SUSENAS Poor and dependent on agriculture
<5%
5-10%
10-15%
>15%
SEMPORNA
TARAKAN
KUCHING
Celebes Sea
Gulf of Tomini
01 Feb 2016
Week
Month


HAZE GAZER
BASELINE
HOTSPOT
Hotspot Distribution
Hotspot Cluster
POINT OF INTEREST
Schools
Hospitals
WEATHER
Air Quality
POPULATION
Age
0 - 4 (kids)
5 - 65
65+ (elderly)
Gender
Male
Female
Puskesmas Pakning
Health Hospital
Hover over a state
Immigration > Outmigration
Outmigration > Immigration
Incoming
Outgoing
1–4,000
4,000–5,000
5,000–6,000
6,000–7,000
7,000–8,000
8,000–9,000
9,000–10,000
10,000++
KAMPUNG BUKIT BAHARU
KOTA TINGGI
ULU TIRAM
JOHOR BAHRU
SINGAPORE
PAYAKUMBUH
Leaflet | © OpenStreetMap © CartoDB


ANALYSIS
#saveriau
#prayforriau
kabut asap
kabut kabut
masker
pusing
batuk
sekolah
kuliah libu
akbat asap
tebal kabu



IMAGE

VIDEO

RADIO
0:49
Elshinta 2016-04-29 21:14:14
masker
PULSE LAB JAKARTA

What are we dealing with?

- Data Collection and Monitoring
  - Types (e.g., situations, impacts, response, etc.)
  - Temporal resolution (e.g., current situations, etc.)
  - Spatial resolution (e.g., national, sub-national, etc.)
  - Disaggregation (e.g., by gender, age, etc.)

- Analysis/Interpretation and Insight/Policy
  - Generating insights
  - Identifying priorities
  - Helping decision-making and actions

- Sharing and Coordination
  - Closing message loops (top-down & bottom-up streams)
  - Empowering different levels of authorities and citizens

GLOBAL PULSE

Then how can we do better?

- Data Collection and Monitoring **in a better way**
  - Types (e.g., situations, impacts, response, etc.)
  - Temporal resolution (e.g., current situations, etc.)
  - Spatial resolution (e.g., national, sub-national, etc.)
  - Disaggregation (e.g., by gender, age, etc.)

- Analysis/Interpretation and Insight/Policy **in a better way**
  - Generating insights
  - Identifying priorities
  - Helping decision-making and actions

- Sharing and Coordination **in a better way**
  - Closing message loops (top-down & bottom-up streams)
  - Empowering different levels of authorities and citizens

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We try to find some answers from

- Data Collection and Monitoring **(Data science and Big Data)**
  - Types (e.g., situations, impacts, response, etc.)
  - Temporal resolution (e.g., current situations, etc.)
  - Spatial resolution (e.g., national, sub-national, etc.)
  - Disaggregation (e.g., by gender, age, etc.)

- Analysis/Interpretation and Insight/Policy **(Advanced data analytics)**
  - Generating insights
  - Identifying priorities
  - Helping decision-making and actions

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_3070