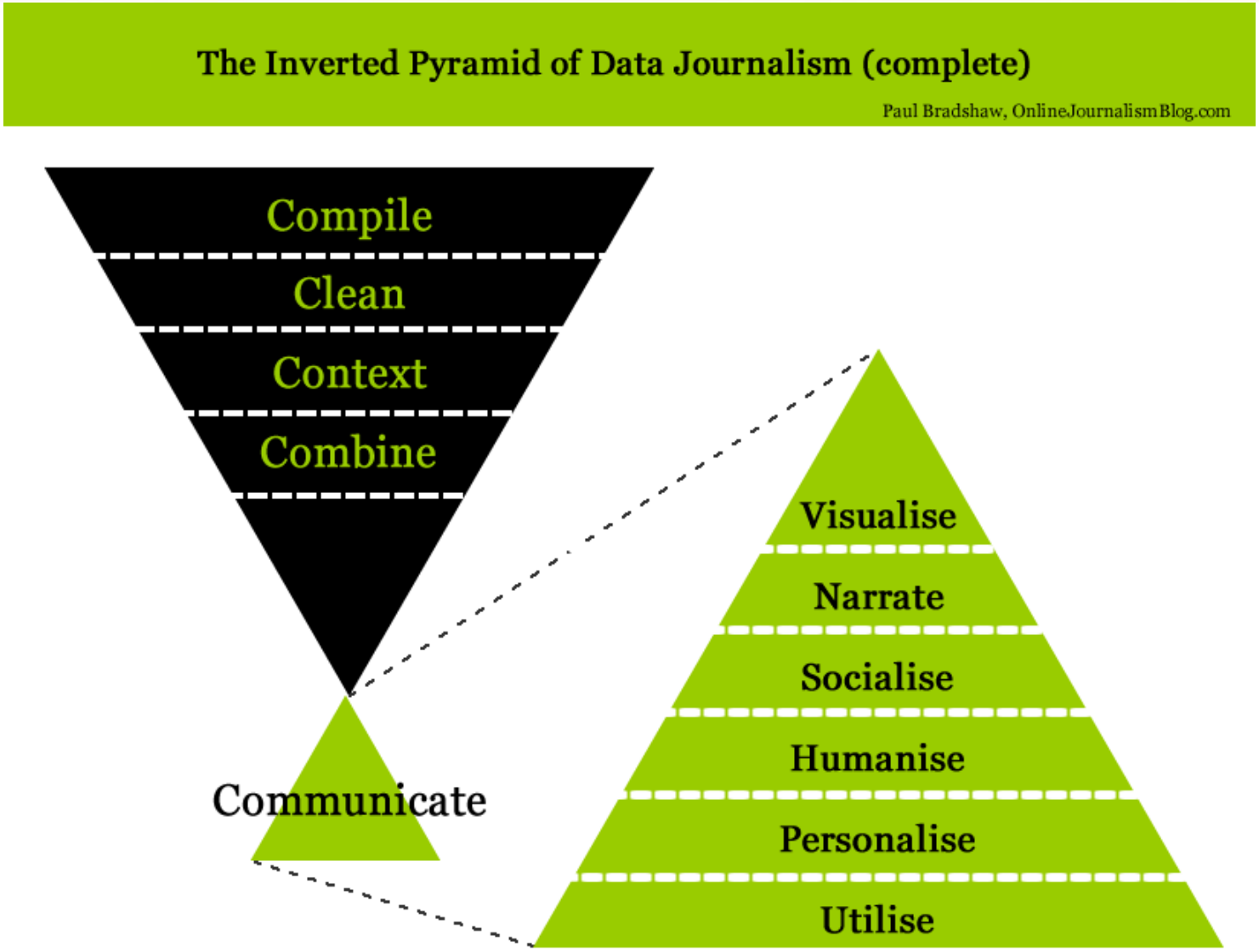
FINDING STORIES IN DATA

Local voices. Global change.

Contents

- The Data Journalism Process
- Data sources: recurring events
- Exercise
- Data sources: sent or leaked data
- Data sources: breaking news
- Data sources: theories to be explored
- Exercise
- Summary & References

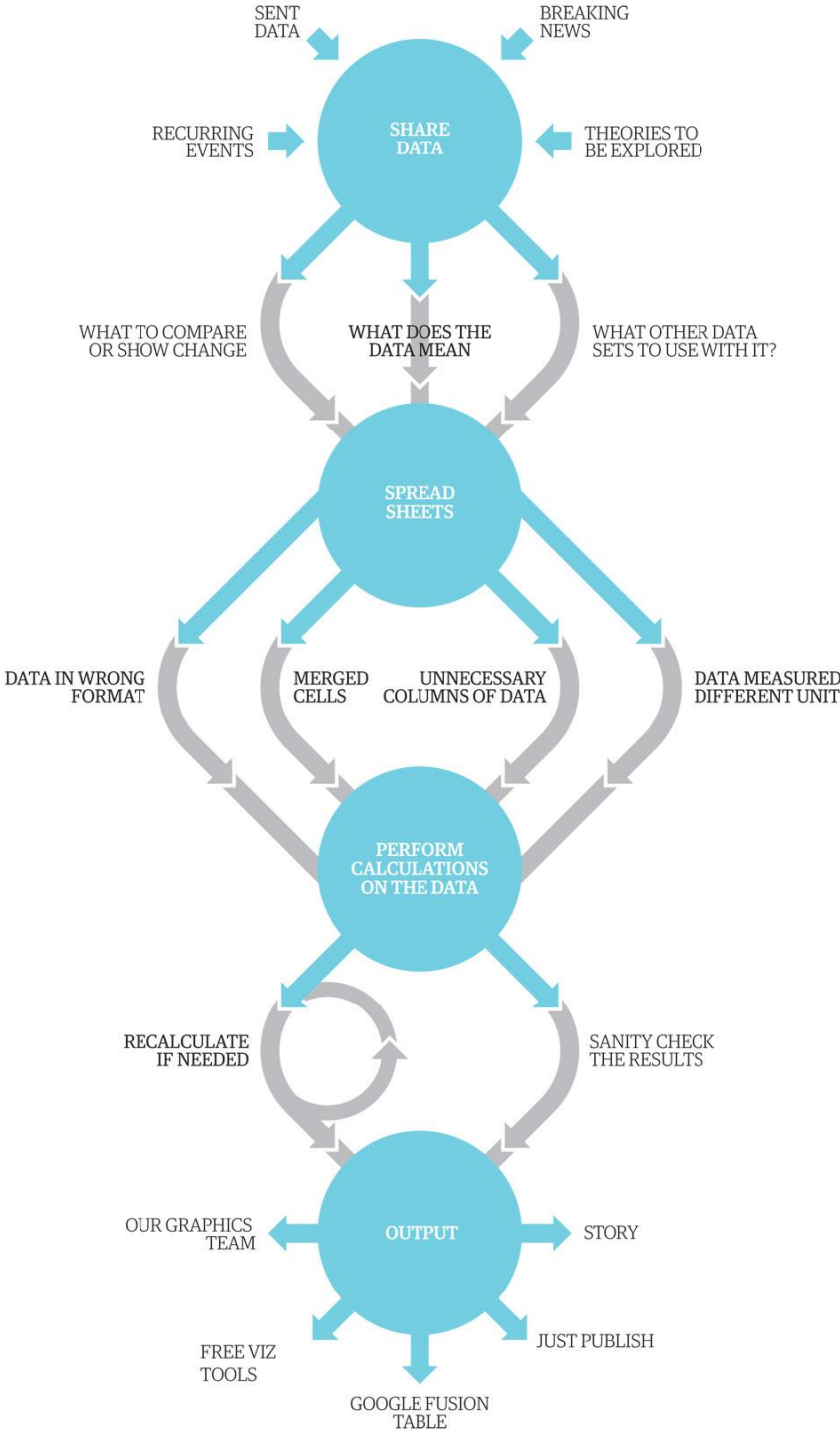
The Data Journalism Process



The Data Journalism Process

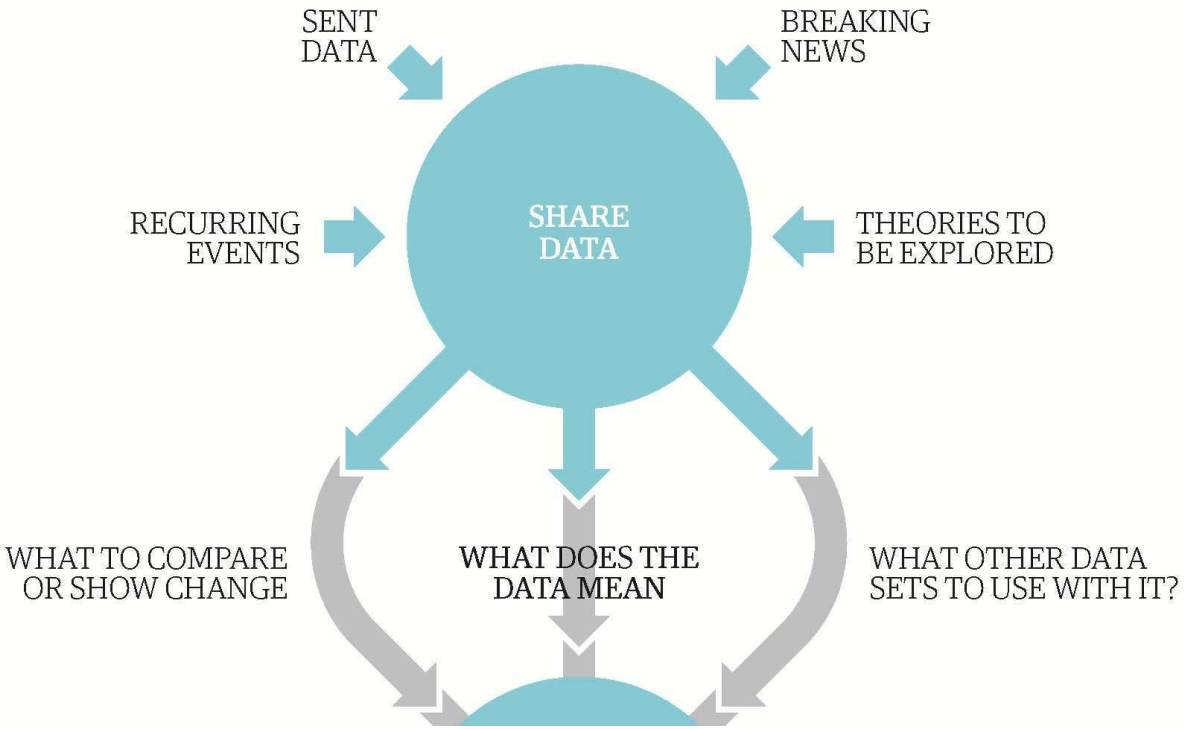
The Guardian:

1. Share Data
2. Spread Sheets
3. Perform Calculations
4. Output



Internews
Local voices. Global change.

The Data Journalism Process



Internews
Local voices. Global change.

Data sources

- **Data sources: recurring events**
- Data sources: sent or leaked data
- Data sources: breaking news
- Data sources: theories to be explored

Internews
Local voices. Global change.

Data sources

- **Data sources: recurring events**
  - Governance & Security Indicators
  - Economic Indicators & Budgets
  - Education Indicators
  - Human rights & Equality Indicators
  - Environmental Indicators
  - Health Indicators

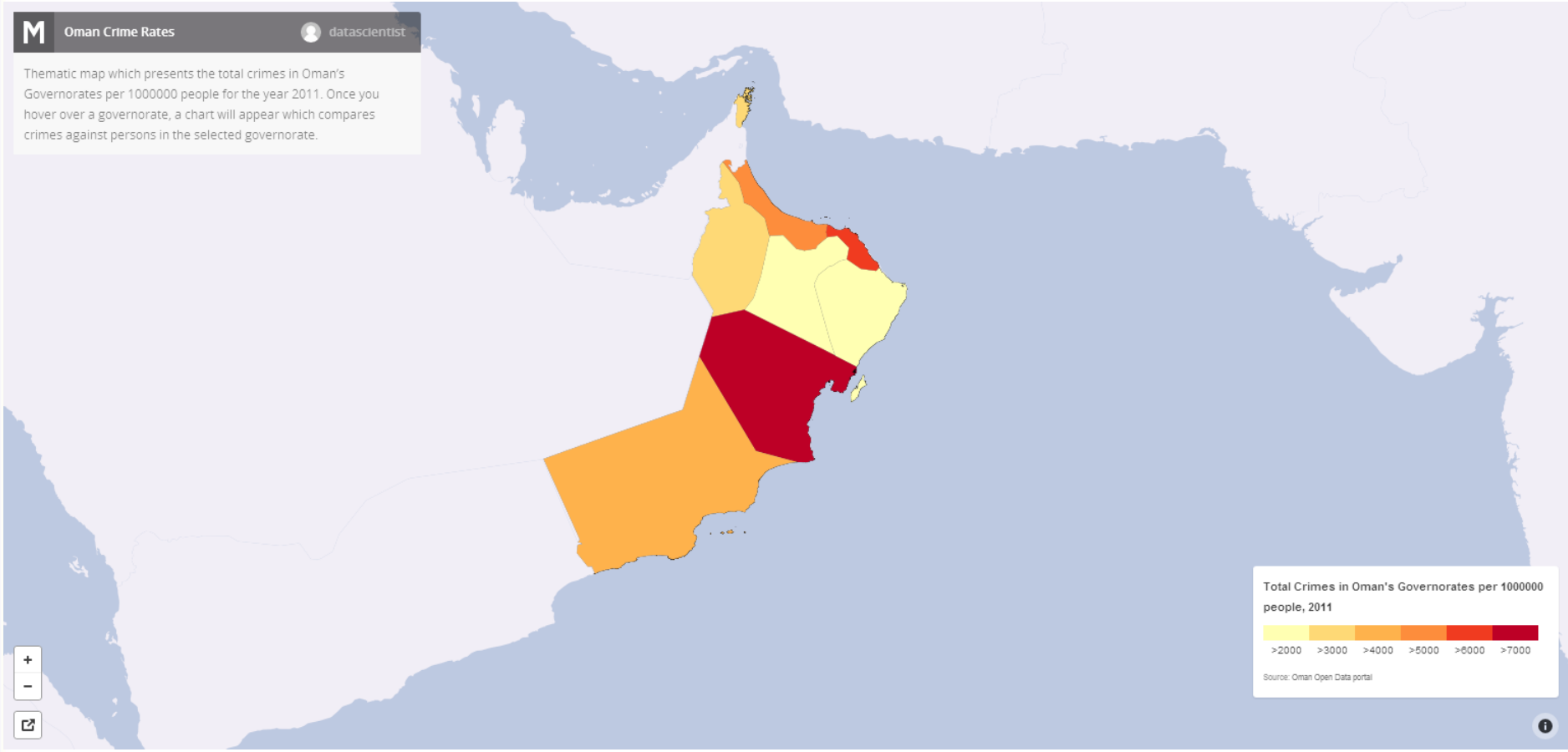
Internews
Local voices. Global change.

Data sources

- Data sources: recurring events
  - **Governance & Security Indicators**
  - Economic Indicators & Budgets
  - Education Indicators
  - Human rights & Equality Indicators
  - Environmental Indicators
  - Health Indicators

Internews
Local voices. Global change.

Data Sources: Recurring Events



[Crime In Oman Visualized]: For the first time, the government of Oman released crime data, which was visualized by a local blogger

Internews
Local voices. Global change.

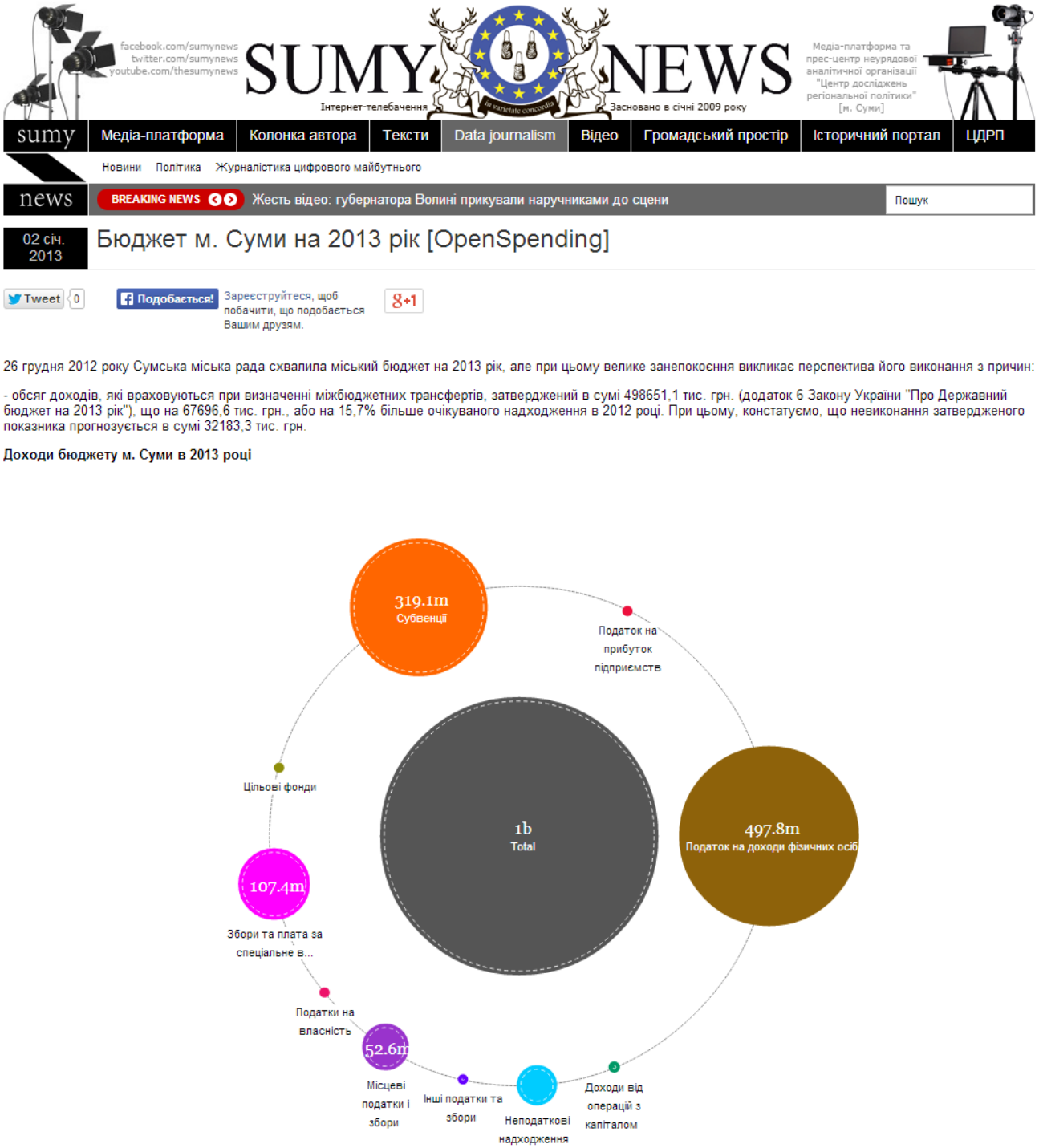
Data Sources

- Data Sources: recurring events
  - Governance & Security Indicators
  - **Economic Indicators & Budgets**
  - Education Indicators
  - Human rights & Equality Indicators
  - Environmental Indicators
  - Health Indicators

Internews
Local voices. Global change.

Data Sources: Recurring Events

Ukraine 2013 budget: A Ukrainian newspaper created an interactive data visualization when the government released its annual budget so that citizens could evaluate how the government is spending its tax dollars



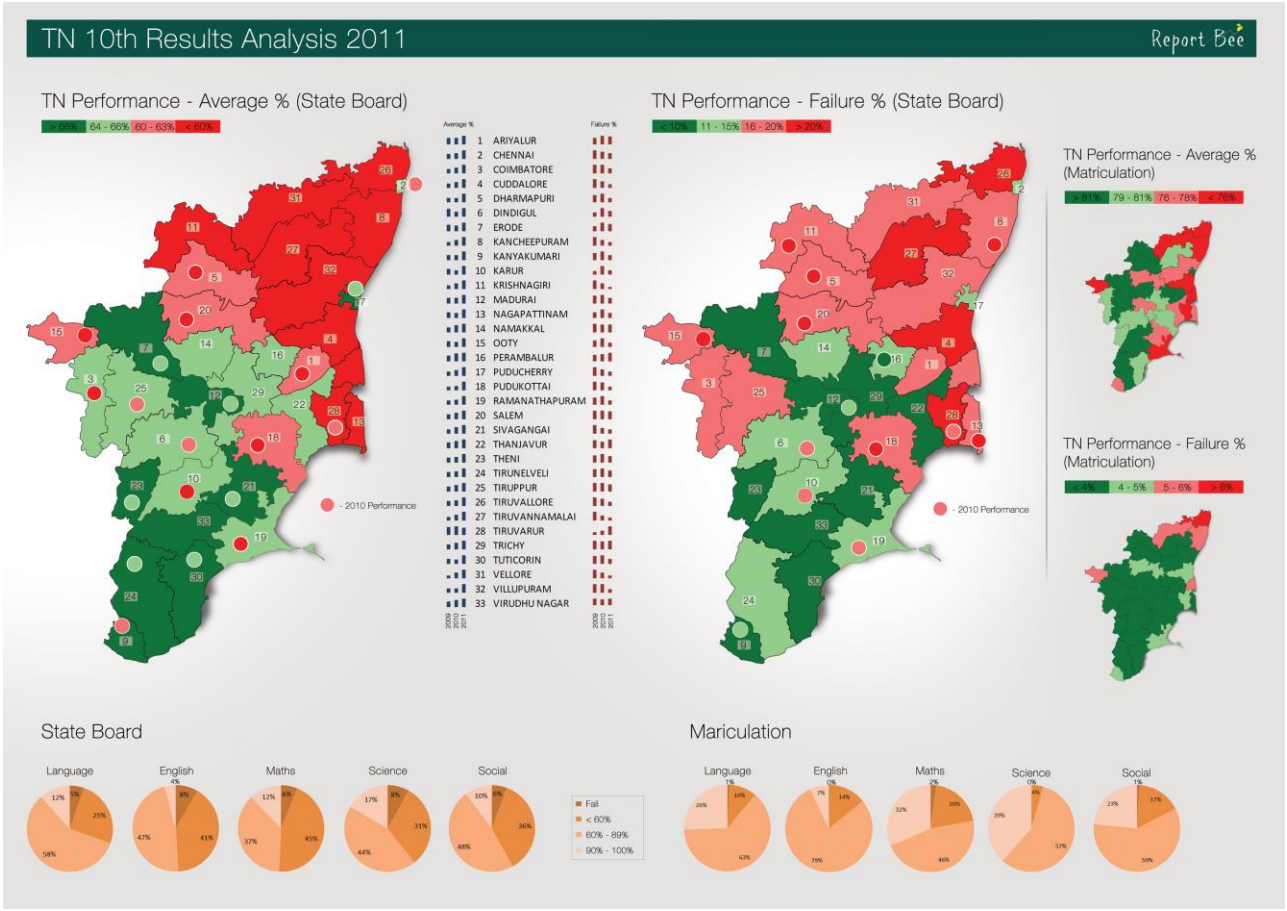
Internews
Local voices. Global change.

Data Sources

- Data Sources: recurring events
  - Governance & Security Indicators
  - Economic Indicators & Budgets
  - **Education Indicators**
  - Human rights & Equality Indicators
  - Environmental Indicators
  - Health Indicators

Internews
Local voices. Global change.

Data sources: Recurring Events



[2011 Tamilnadu School Performance]: India's Reporter Bee visualized the performance of different school districts based on annual performance reports.

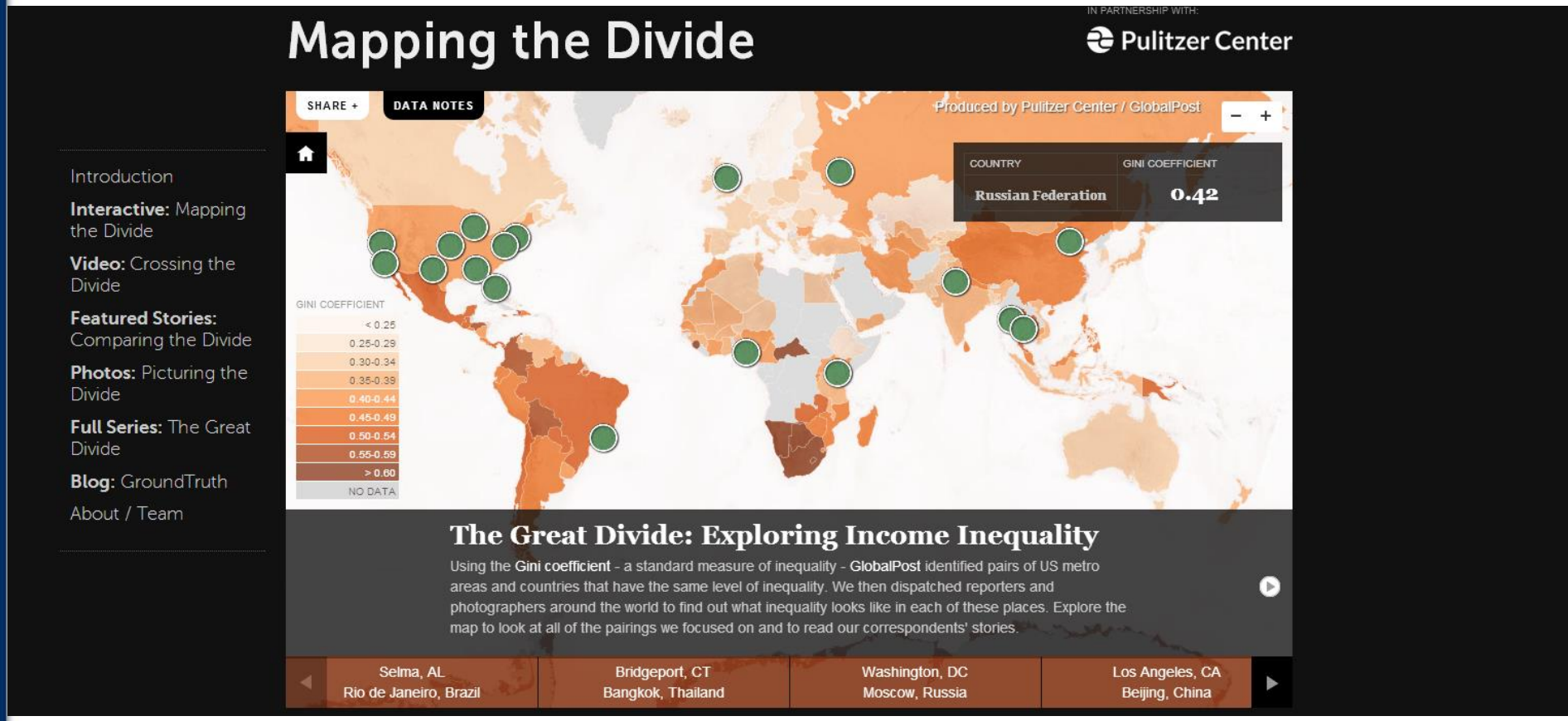
Internews
Local voices. Global change.

Data Sources

- Data Sources: recurring events
  - Governance & Security Indicators
  - Economic Indicators & Budgets
  - Education Indicators
  - **Human rights & Equality Indicators**
  - Environmental Indicators
  - Health Indicators

Internews
Local voices. Global change.

Data sources: Recurring Events



[The Great Divide Global Income Inequality]: The Global Post maps annual data on global inequality by country and compares cities with similar levels of inequality.

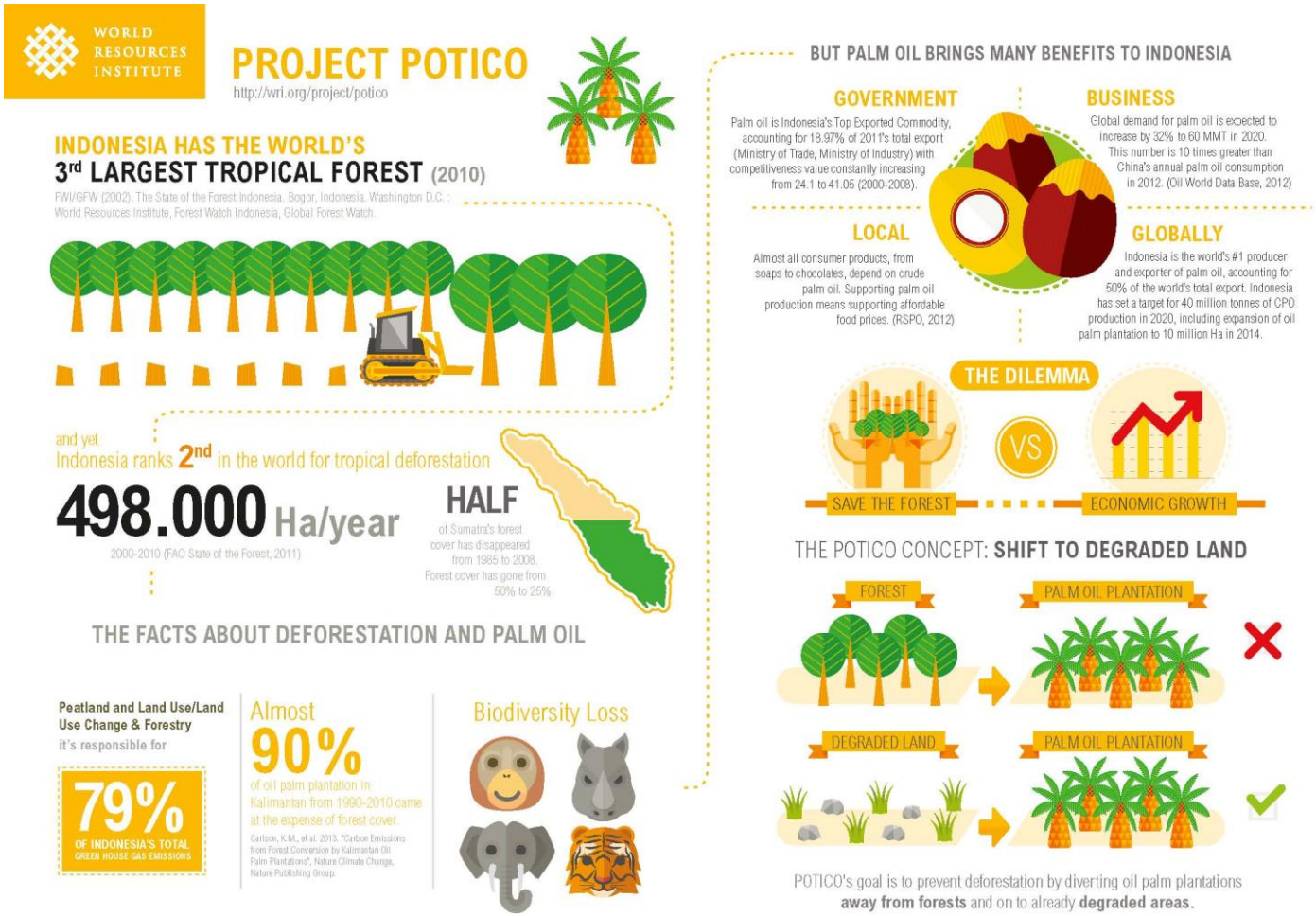
Internews
Local voices. Global change.

Data Sources

- Data Sources: recurring events
  - Governance & Security Indicators
  - Economic Indicators & Budgets
  - Education Indicators
  - Human rights & Equality Indicators
  - **Environmental Indicators**
  - Health Indicators

Internews
Local voices. Global change.

Data sources: Recurring Events



Project Potico: World Resource Institute explores deforestation in Indonesia

Internews
Local voices. Global change.

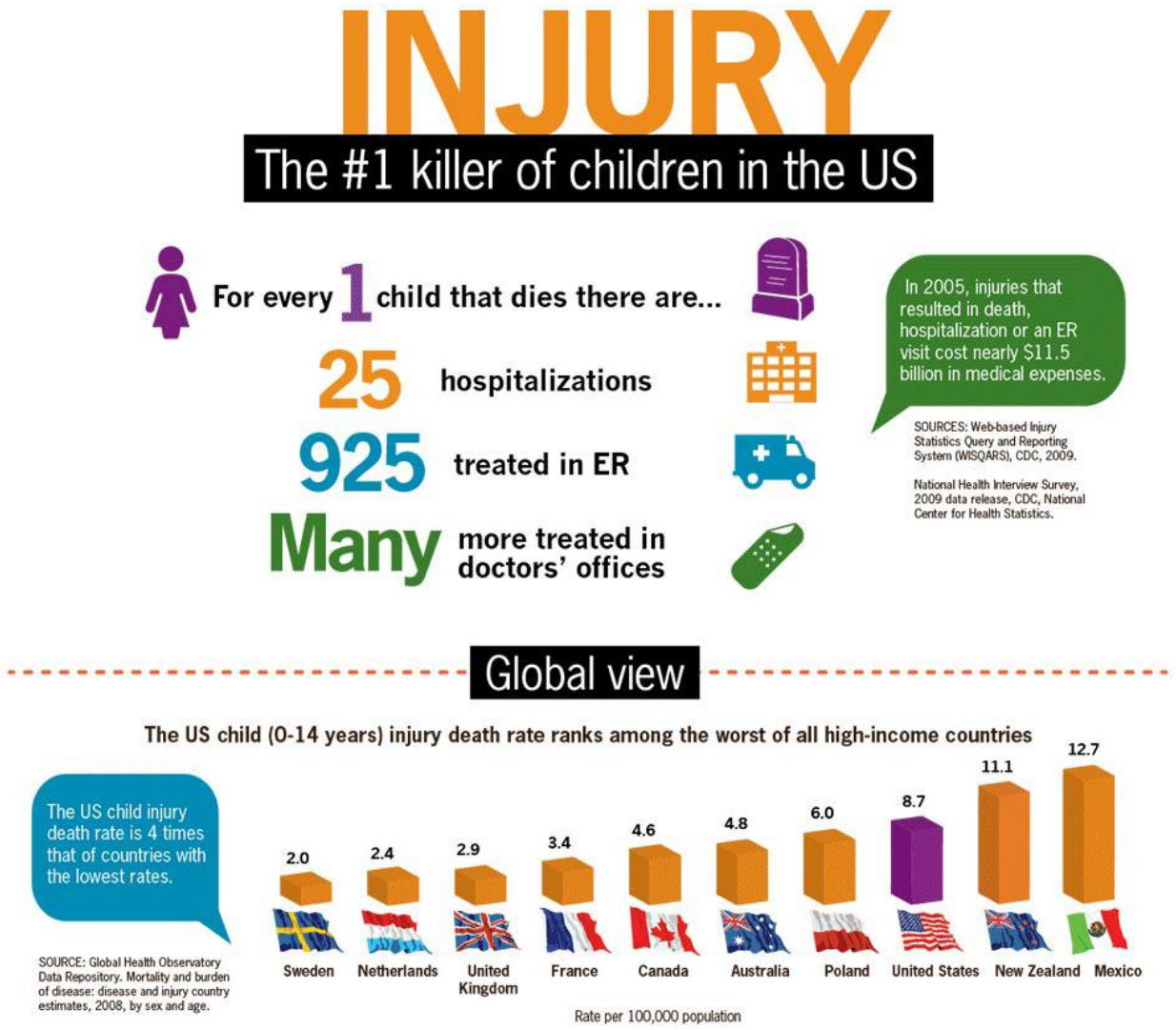
Data Sources

- Data Sources: recurring events
  - Governance & Security Indicators
  - Economic Indicators & Budgets
  - Education Indicators
  - Human rights & Equality Indicators
  - Environmental Indicators
  - **Health Indicators**

Internews
Local voices. Global change.

Sources of Data: Recurring Events

Child Injury: The Center for Disease Control in the United States created this infographic for journalists to draw attention to a major health risk for children



Internews
Local voices. Global change.

Contents

- The Data Journalism Process
- Data sources: recurring events
- **Exercise**
- Data sources: sent or leaked data
- Data sources: breaking news
- Data sources: theories to be explored
- Exercise
- Summary & References

Internews
Local voices. Global change.

Exercise

How could these recurring reports be used in your health reporting?

- Disease burden by county
- Economic growth data by sector
- Maternal and child mortality reports
- Other reports, press releases and data sent to your media?

Internews
Local voices. Global change.

Contents

- The Data Journalism Process
- Data sources: recurring events
- Exercise
- **Data sources: sent or leaked data**
- Data sources: breaking news
- Data sources: theories to be explored
- Exercise
- Summary & References

Data Sources: Sent or Leaked Data

Wikileaks in Kenya

- The Looting of Kenya published by *The Guardian* in 2007.
- Kennya: The Cry of Blood - Report on Extra-Judicial Killings and Disappearances - the Kenya National Commission on Human Rights (KNCHR) 2008.
- Bringing international attention to corruption issues too dangerous to print in-country.

Project Potico: World Resource Institute explores deforestation in Indonesia

Internews
Local voices. Global change.

Data sources: sent or leaked data

Offshore Leaks: A leaked hard drive of 2.5 million documents about offshore bank accounts to the International Consortium of Investigative Journalists

Internews
Local voices. Global change.

Contents

- The Data Journalism Process
- Data sources: recurring events
- Exercise
- Data sources: sent or leaked data
- **Data sources: breaking news**
- Data sources: theories to be explored
- Exercise
- Summary & References

Data Sources: Breaking News

Data collection:

- Crowd-sourcing via Ushahidi-type platforms
- Citizen media contributions
- Sensor data for environmental catstrophes

Risks:

- Selection bias
- Verification process
- Context

Data sources: breaking news

Webpage Screenshot

http://lstout.github.io/westgate/html/ Tue May 20 2014 10:42:37 GMT+0300 (E. Africa Standard Time)

The Westgate Attack: A Social Media Perspective: An analysis of the events of Westgate driven by analysis of social media content.

Internews
Local voices. Global change.

Data Sources: Theories to be Explored

Global and open data catalogs

World Health Organization
United Nations
World Bank
DataCatalogs.org
The Guardian's world government data portal
Google's public data directory
The data hub
DBPedia Datasets
Factual
Free GIS data
List of open data resources
Energy data repositories
World Research Institute

Data wrangling
Quora thread: "Where can I find large datasets open to the public?"
Directory of APIs
Infochimps
Datamarket
Offshore Leaks
Investigative Dashboard
Open Corporates
Natural Earth data
UNEP Data
Transparency International Corruption Index
Land Ownership Database
Gapminder World

Data Sources: Theories to be explored

Kenyan Data Sources

Mars Group

Africa Open Data

Kenya National Bureau of Statistics

E-promis Kenya

International Budget Partnership County Budgets

Kenya Open Data Initiative

Kenya Health Data

World Bank Boost

Kenya Demographic Health Survey

Internews Data Dredger

Kenya Service Delivery Indicators

Exercise

Divide into two groups and read:

- Tourism Players Want State to Wave Taxes
- Kenya Bids to Revive Tourism as al-Shabaab Vows Broader War

Internews
Local voices. Global change.

Exercise

Answer

1. What is the journalist's hypothesis?
   - What topics does the journalist cover in the story?
   - What are the most important impact in changing tourism revenue according to the story?
   - What does he or she want the reader to understand after reading the story?

Internews
Local voices. Global change.

Exercise

Answer

2. What is the journalist's evidence for the story?

- What data does he or she use to prove his hypothesis?
- What experts does he or she quote?
- Does the author use information from the national budgets or data on Kenya's revenue sources to enrich the story?

Internews
Local voices. Global change.

Exercise

Answer

3. What information and data is missing?

- What questions does the story not answer?
- What other data about the budget, taxes, economics, etc. would add to the story?
- What would your data angle for the story be?

Internews
Local voices. Global change.

Contents

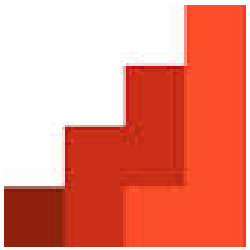
- The Data Journalism Process
- Data sources: recurring events
- Exercise
- Data sources: sent or leaked data
- Data sources: breaking news
- Data sources: theories to be explored
- Exercise
- **Summary & References**

Internews
Local voices. Global change.

Summary & Resources

- Data sources include recurring events, sent or leaked data, breaking news and theories to be explored.
- Data from these stories can be used to enrich traditional reporting, find new angles on old stories, uncover corruption or engage citizens in the reporting process.
- Data sources are all around us: NGOs, research institutions, government and ordinary people.

Summary & Resources



Data Driven Journalism

WHERE JOURNALISM MEETS DATA

ONLINE NEWS ASSOCIATION

SCHOOL OF DATA

HACKS HACKERS

Internews

Local voices. Global change.