HOW NEW DATA APPROACHES CAN HELP FIND THE SIGNALS IN THE NOISE
A BIG GAP EXISTS BETWEEN DATA SUPPLY & USE

Data is unavailable

Data is unusable

Data is unused
MAKING DATA ACTIONABLE IS A TEAM SPORT!

WRI’s FOCUS

Collection → Storage → Processing → Discovery → Analysis → Action
AQUEDUCT – 12 METRICS OF WATER STRESS FOR 15,000 WATER BASINS
CLIMATE WATCH: NATIONAL NDC-SDG INTERLINKAGES

NDC-SDG Linkages
Identify potential alignment between the targets, actions, policies, measures and needs in countries’ Nationally Determined Contributions (NDCs) and the targets of the Sustainable Development Goals (SDGs).

12 Responsible consumption and production

12.1 Implement the 10-year framework of programmes on sustainable consumption and production, all countries taking action, with developed countries taking the lead, taking into account the development and capabilities of developing countries.

12.2 By 2030, achieve the sustainable management and efficient use of natural resources.

12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses.

12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.

12.5 By 2030, substantially reduce waste generation through prevention, reduction,
WHAT’S NEXT?
Sneak Peek

Let's tune in to our planet's signals together

ResourceWatch.org
Explore a world of natural resource data

Discover the latest data, make connections, and help create a more sustainable planet.
Dashboards

- Biodiversity
- Cities
- Climate
- Energy
- Food
- Forest
- GIM Dashboard
- Governor Brown's Dashboard
- Water
Jerry's Dashboard

- California Snow Pack (Phillips Station)
- Total Greenhouse Gas Emissions Excluding Land Use Change and Forestry (Metric Tons of CO2 Equivalent)
Signals Blog

Explore the stories behind the data and submit your own.

Signal of the Week

Map: As wildfires burn, nearby air quality suffers in California

Sept 2, 2017

A factory is built in your neighborhood. Can you do anything about it?

by World Resources Institute
Resource Watch is open source so others can build on it & contribute to it.
WHAT’S UNDER THE RESOURCE WATCH HOOD?

- WRI “built on Resource Watch” apps
- External “built on Resource Watch” apps
- Bloomberg Terminal
- Surfacings where users are

Data Sources
CONCLUDING MESSAGES

1. Nearly everything is interlinked, but the links between our rapidly changing planet and human-well being are paramount.

2. Data is too often trapped in institutional silos & the interlinkages missed.

3. Data providers tend to focus on data collection, rather than its use.

4. Successful SDG implementation requires integrating data across sources.

5. Data revolution is helping to integrate & make data more actionable.

6. Resource Watch is a free, open, collaborative, earth monitoring system. Users can combine, analyze, visualize, & share data from multiple sources & spatial/time scales, & build on its open architecture (Coming April 11, 2018).
Resource Watch Partners include:

- Google
- vizzuality
- DigitalGlobe
- CARTO
- theEARTH GENOME
- THE WORLD BANK
- UNDP
- MARS
- University of Maryland
- universität wien
- esri
- UNEP WCMC
- Bloomberg
- Astro Digital
- Descartes Labs
- Carnegie Mellon University
- openaq
- espa
- urtheecast
- Singularity University
- United States Global Change Research Program
- Radiant.Earth
- Earth Imagery for Impact
- 3D research insights
- Global Partnership for Sustainable Development Data
- THE TILIA FUND
- Ministry of Foreign Affairs of the Netherlands
- Walmart
- United Nations Foundation
- NERC
- Science of the Environment
- University of Leicester
- CLIMATE CENTRAL
- The University of Edinburgh
- GECO Group on Earth Observations
- The Hague Centre for Strategic Studies
- NOAA
- NASA
Data Guiding Principles

- **Open**: Can be *freely used, re-used, and redistributed*
- **Relevant**: Help answer questions to *address urgent, global challenges*
- **Quality**: The most *timely, complete, accurate, and consistent* of its kind
- **Diverse**: Cover a *diverse range of themes* for a wide range of audience
- **Balanced**: Distribute *evenly across all themes* on Resource Watch
- **Agile**: Incorporate continuous *iteration, feedback, and evolution*