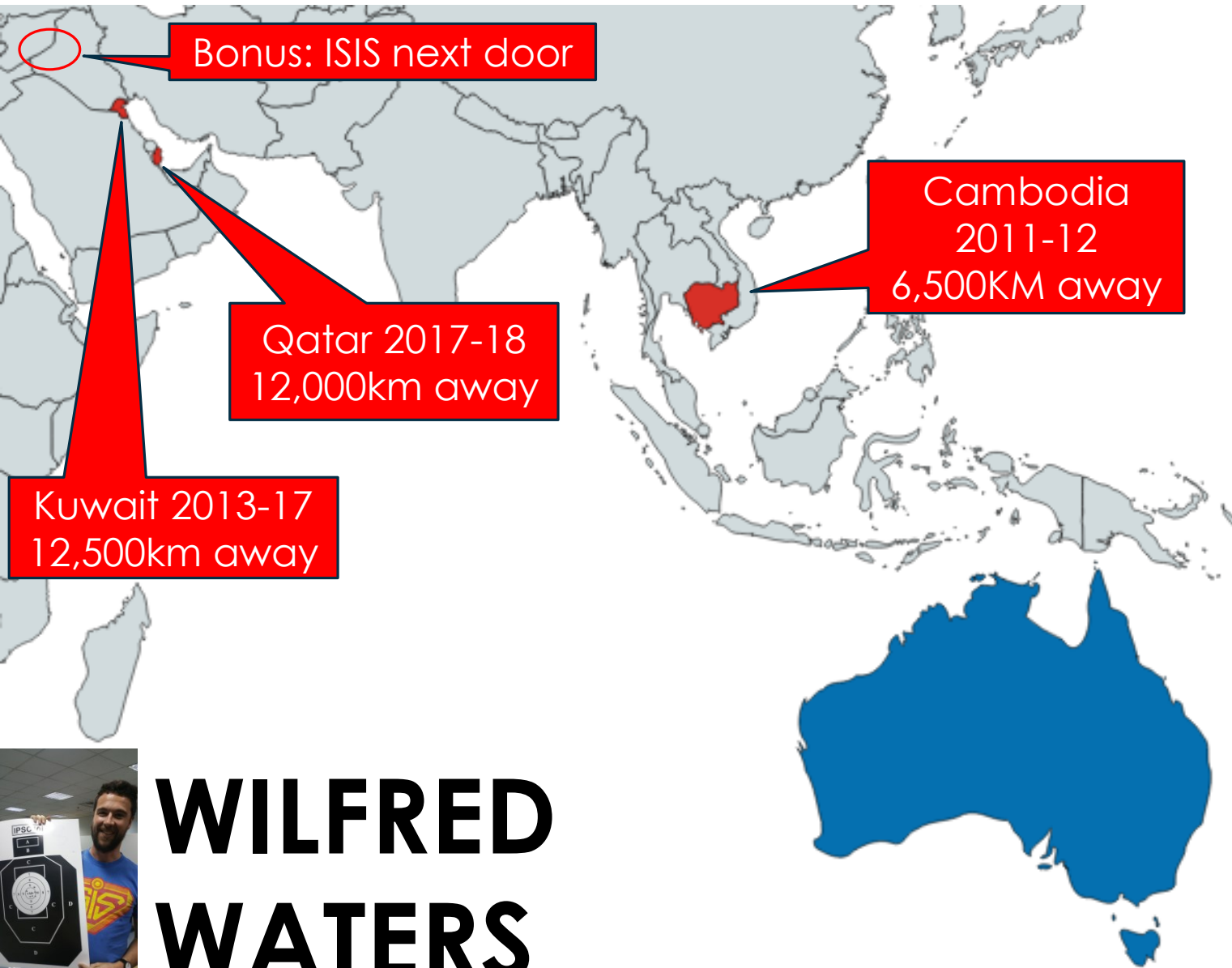


USING GIS FOR ADVOCACY IN AUTHORITARIAN COUNTRIES



- Cambodia: Sahmakum Teang Tnaut (Engineers Without Borders).
- Kuwait: Amec (then Amec Foster Wheeler).
- Qatar: Esri Northeast Africa.

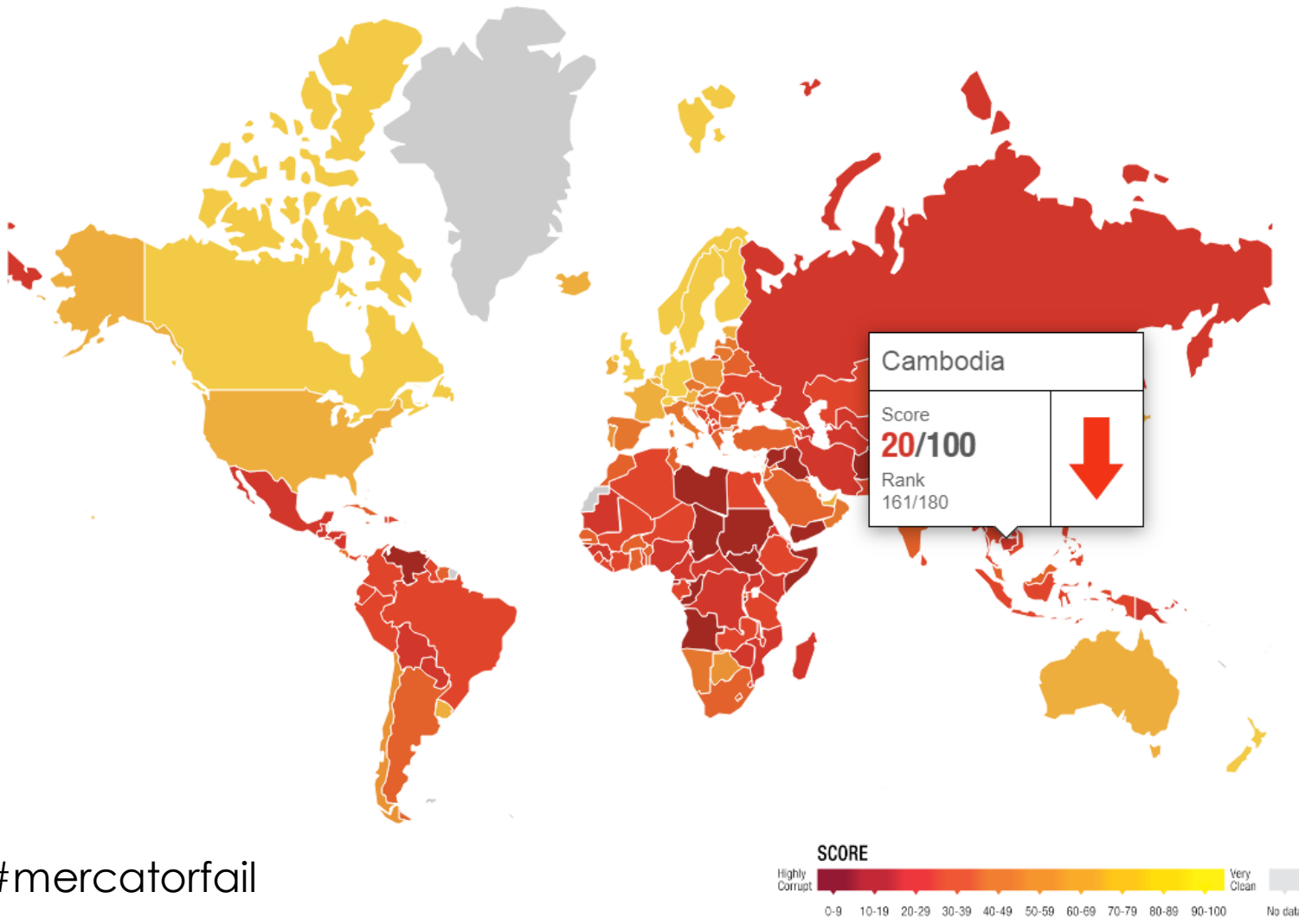


**WILFRED
WATERS**



CAMBODIA AUTHORITARIAN BINGO

- ▶ Prime minister: Hun Sen for **34 years**.
- ▶ Was in Khmer Rouge, a genocidal regime.
- ▶ Human Rights Watch: "Fully fledged military dictator".
- ▶ 100% of parliamentary seats.
- ▶ Main opposition party banned.
- ▶ Opposition leader exiled.



#mercatorfail

Transparency International: Corruption Perceptions Index

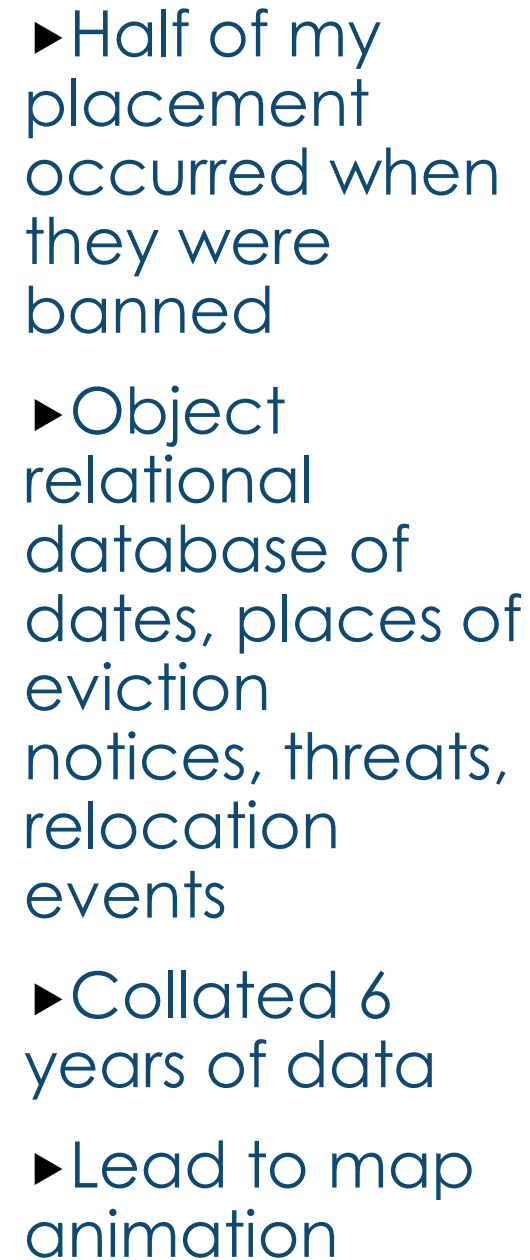
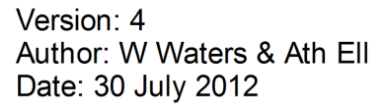


SAHMAKUM TEANG TNAUT

- ▶ Cambodian local government organization
- ▶ Advocacy for urban poor communities
- ▶ Violent evictions often for commercial/residential property development
- ▶ Banned 5 months due to railways report, finding systematic under compensation of evictees

Rehabilitation of Cambodia's railways: Comparison of field data

A report comparing data collected by the IRC and the independent NGO STT



Animation of the appearance of eviction threats, displacement events, relocation waves and relocation sites in Phnom Penh, Cambodia

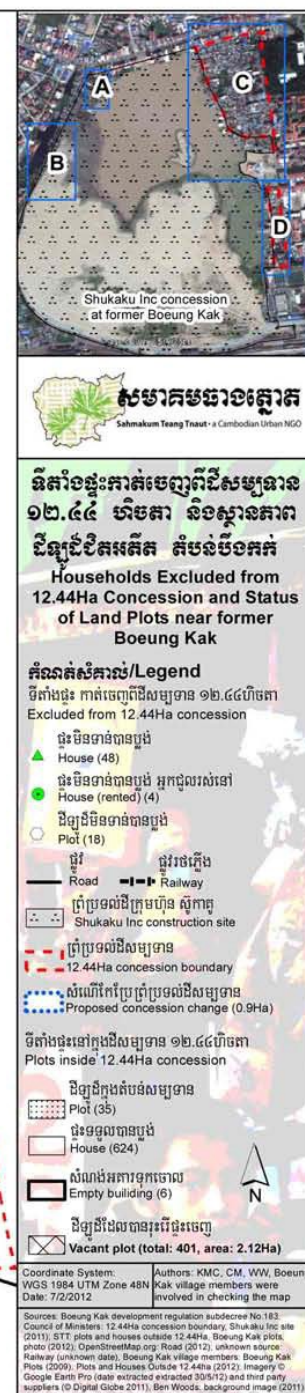
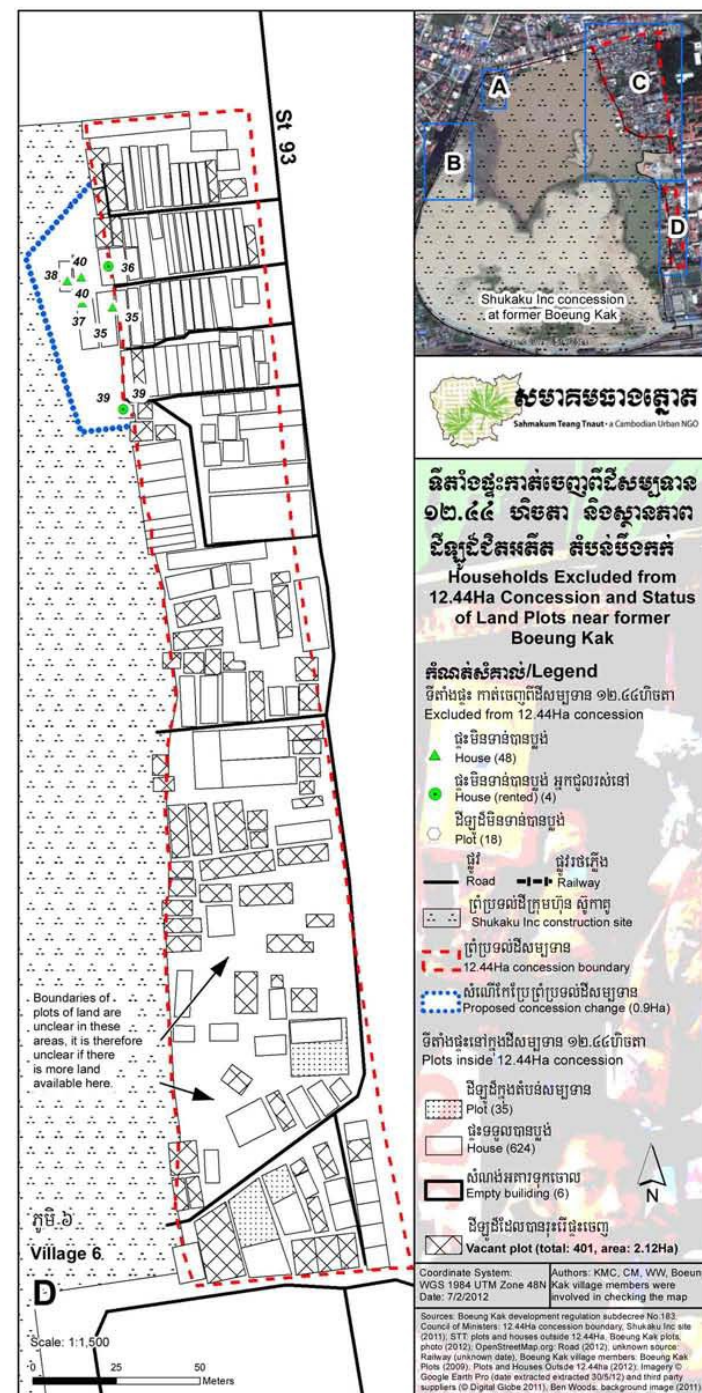
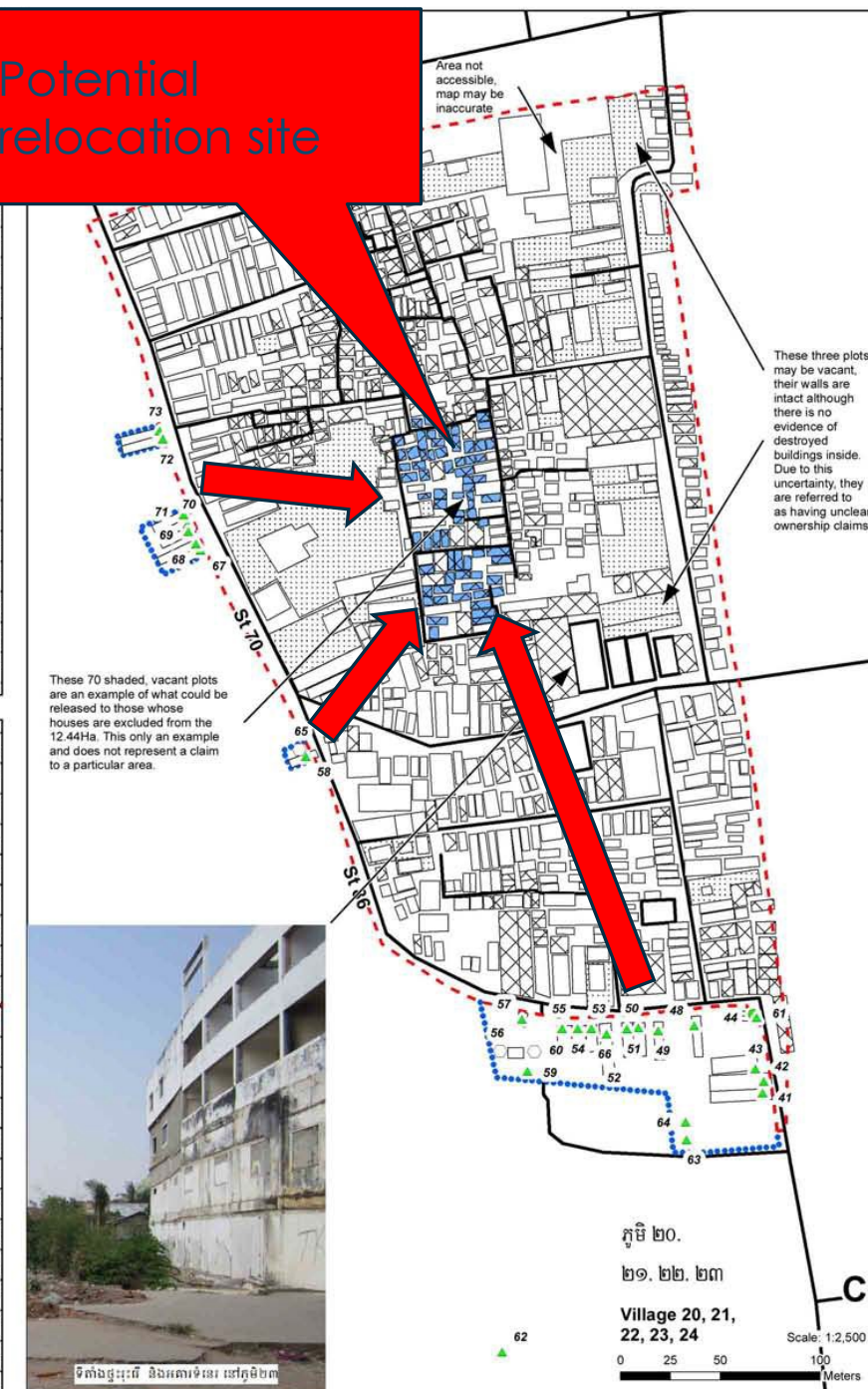
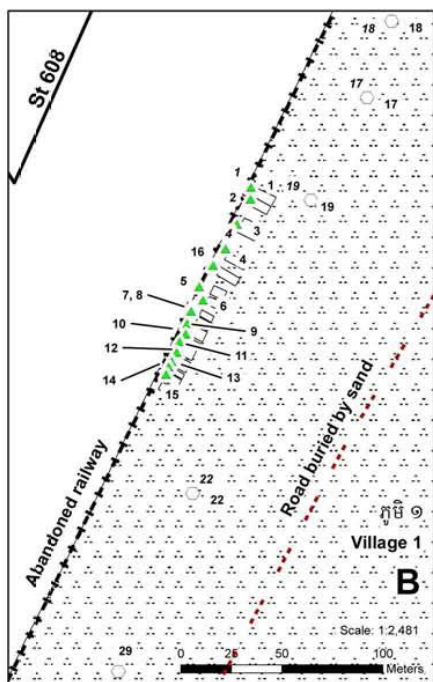
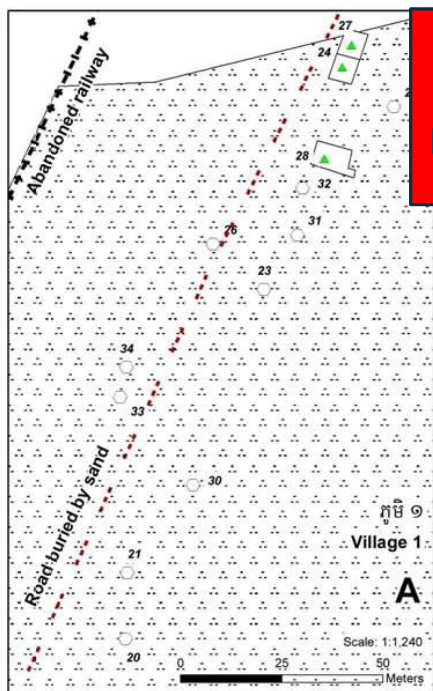
1982 - 2012

► Animation:

- eviction threats,
- displacement events,
- relocation waves
- relocation sites

► Phnom
Penh,
Cambodia

► 1982-2012



► Map of Boeung Kak lake was filled in in 2012 when I was there

► I removed it from Google Maps and OSM

► I made a map of relocation potential for people evicted around the lake to a preserved settlement northeast of the lake.

► Report sent to government/press: "Outside the Lines".



ការប្រជុំការគូសផែនទីនៅភ្នំពេញ លើកទី ៧

ទីកន្លែង: Equinox ផ្លូវ ២៧៨, ជាន់លើ
 គេហទំព័រ: <http://bit.ly/wNKnuX>
 កាលបរិច្ឆេទ: ថ្ងៃ ពុធ ទី ២៧ ខែ មិថុនា
 ម៉ោង: ចាប់ពីម៉ោង ៥ កន្លះ ល្ងាចទៅ
 (សូមមកចូលរួមអោយបានពេលព្រោះអ្នកធ្វើបទបង្ហាញទីមួយ
 នឹងចាប់ផ្តើមនៅម៉ោង ៥:៣០ នាទី)

បទបង្ហាញ រ៉ាំ:

ម៉ឺន ណារ៉ូ and John Weeks
Open Development Cambodia
 ការផលិតផែនទីប្រជាសាស្ត្រក្នុងប្រទេសកម្ពុជា

Dr Emma Stokes
Wildlife Conservation Society - Asia Program
 ការផលិតផែនទី និងការប្រើប្រាស់រូបថតពីលើអាកាសសំរាប់
 ការអភិរក្ស

Dr Damian Evans
University of Sydney Research Centre, Siem Reap
 ការវាស់វែងដោយប្រើប្រាស់ LIDAR 2012 នៃតំបន់អង្គរ ភ្នំ
 គូលែន និងកោះកេរ្តិ៍

Shelby Doyle
Fullbright Research Fellow
 សំណើសំរាប់ជំនួយការដើម្បីរកផែនទីប្រវត្តិសាស្ត្រក្នុងភ្នំពេញ

ការប្រជុំការគូសផែនទីនៅភ្នំពេញជាការប្រជុំប្រចាំខែសំរាប់
 អ្នកជំនាញការ និងអ្នកដែលមានចំណាប់អារម្មណ៍ទាក់ទងនឹង
 ផែនទី។

PHNOM PENH MAPPING MEETUP 7

Where: Equinox on St 278 (upstairs)
 Webmap: <http://bit.ly/wNKnuX>
 Day: Wednesday 27th June
 Time: 5:30pm sharp (please be on time as the
 first presenter wants to start at 5:30)

Presentations:

MeanNaro and John Weeks
Open Development Cambodia
 Mapping and demographics in Cambodia

Dr Emma Stokes
Wildlife Conservation Society - Asia Program
 Mapping and remote sensing for conservation

Dr Damian Evans
University of Sydney Research Centre, Siem Reap
 2012 LIDAR survey of Angkor, Phnom Kulen
 and Koh Ker

Shelby Doyle
Fullbright Research Fellow
 Request for assistance to get historical maps
 Phnom Penh

The Phnom Penh Mapping Meetup is a
 monthly networking event for industry
 professionals and anyone interested in maps.

▶ I founded the
 Phnom Penh
 Mapping
 Meetup

▶ Over 9
 meetups we
 had 23
 presenters

▶ Facebook
 group 1000+
 members

▶ Still going

▶ Google Maps
 and Apple Maps
 representatives
 have presented

▶ First ever public
 display of Angkor
 Wat LIDAR survey



Phnom Penh Mapping Meetup #30

Date: Tuesday, February 6th, 2018
 Time: 6:30PM

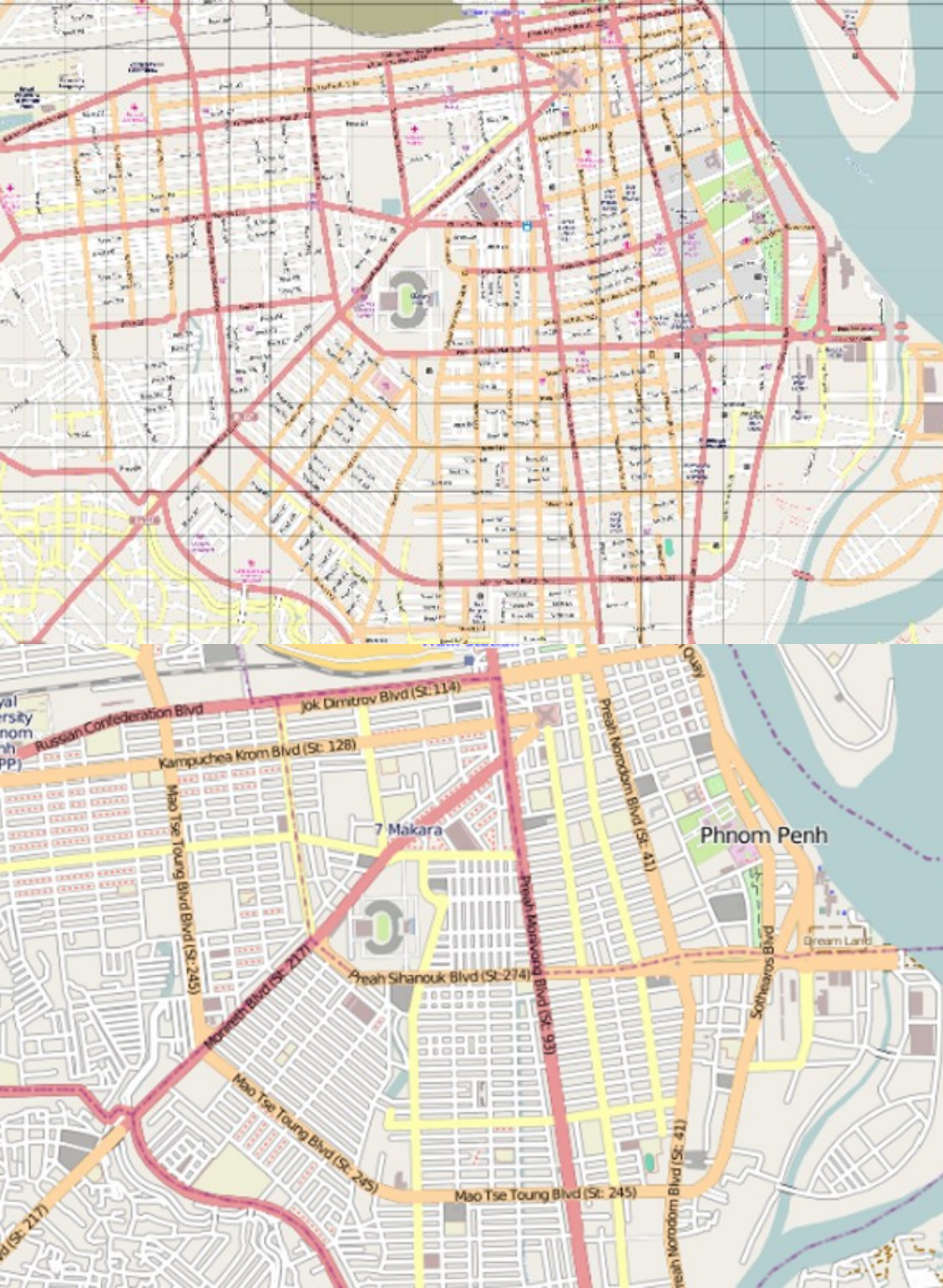
Venue: JOMA Norodom
 (south of Independence monument)

Presentations:

"Apple Data Projects: OpenStreetMaps"
 - Kelsey Reinking, Apple

"Planet: Daily Hi-Res Imagery at Your Fingertips"
 - Paul Gager, Aruna Technology

"QGIS 3.0: What's New & What Changed"
 - Mathieu Pellerin, QGIS core developer



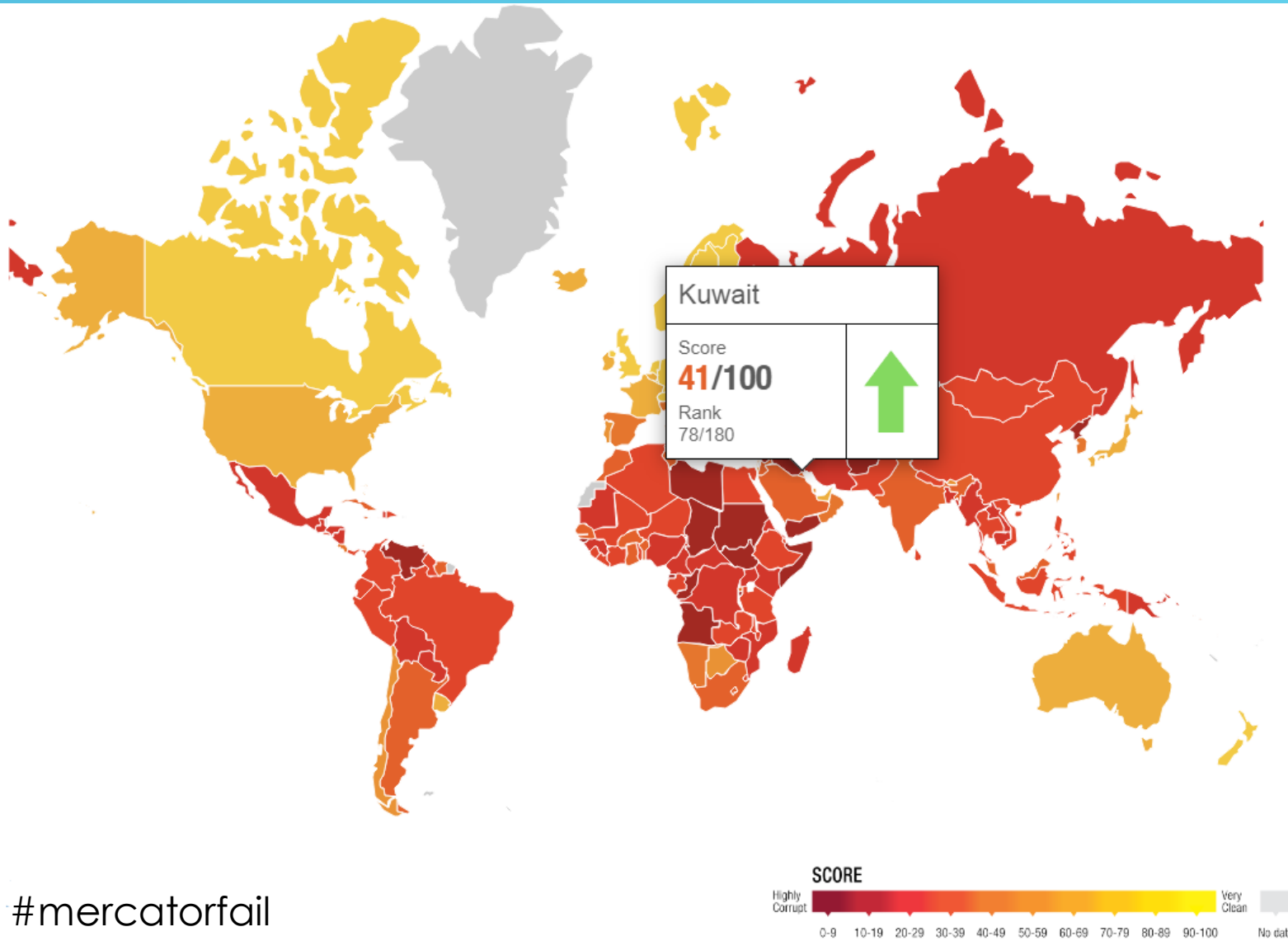
+

OPENSTREETMAP MARATHONS



=

- ▶ 30 new OSM members, 20 Khmer.
- ▶ 37 hours spent during 3 events.
- ▶ Many more hours outside these times due to addiction.
- ▶ A guy from Laos set up a server to do monthly shapefile exports of OSM for us.



KUWAIT AUTHORITARIAN BINGO

- ▶ Politician Musallam Al-Barrak gave speech during Arab Spring in 2012: "...we will not allow [the king] to rule individually..."
- ▶ Parliamentary immunity revoked.
- ▶ Charged with undermining the status of the king.
- ▶ Imprisoned 2 years.
- ▶ Thousands protested, tear gassed.

Easterner, \$100/day

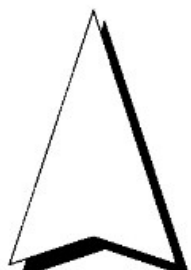
Westerner: \$400/day



AMEC FOSTER WHEELER/WOOD PLC

UK company, bound by The Modern Slavery Act 2015, but:

- ▶ Western managers called Easterners (India, Philippines) “boys”
- ▶ Verbal sexual harassment of Indian female staff by male British staff, in public
- ▶ Easterner vs Westerner Staff IDs, pay and health insurance
- ▶ G4S (also UK company) security contractors **had their passports confiscated**



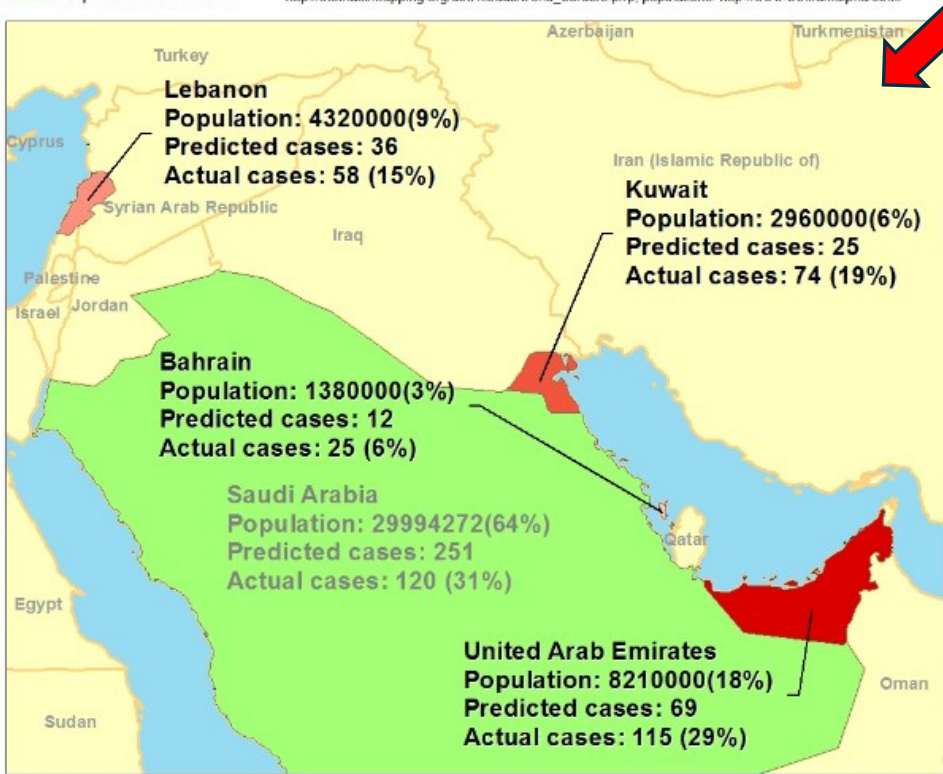
الكويت Human Rights Mapping Meetup 1

Legend

More than expected abuse cases



Fewer than expected abuse cases



KUWAIT MAPUP -> KUWAIT HUMAN RIGHTS MAPUP

- ▶ 10 events
- ▶ Map of maid abuse cases
- ▶ Map of corruption of common labour supply countries
- ▶ Princess Bibi Nasser attended
- ▶ Web map of expat worker bans



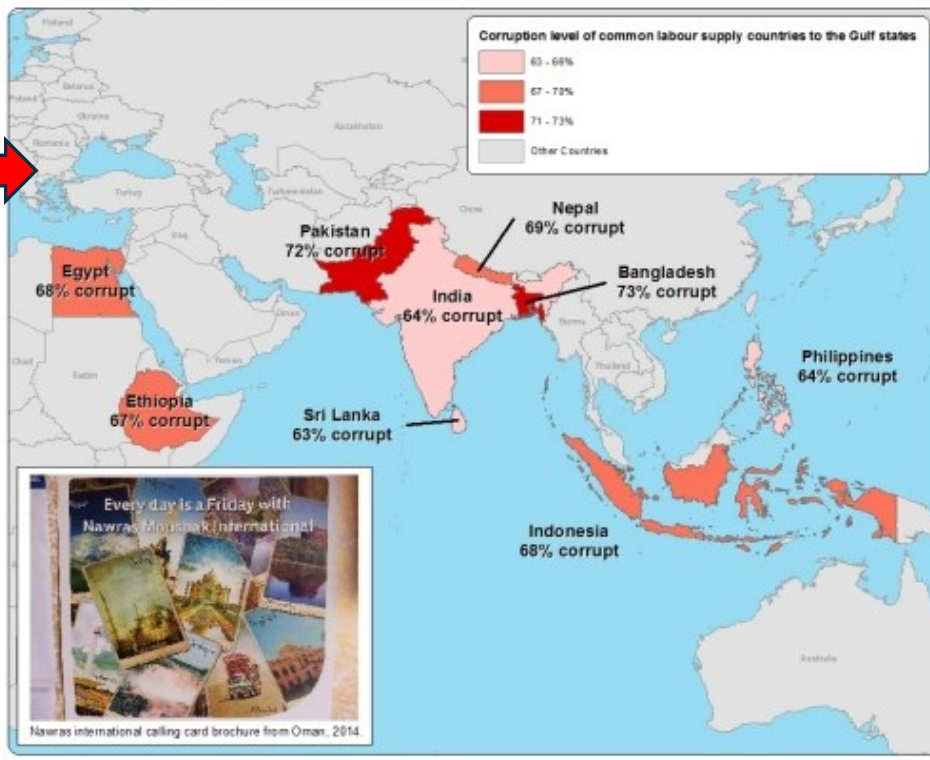
الكويت Human Rights Mapup 2

Abstract: the map shows the common domestic and construction labourer supply countries for the Gulf region, along with their perceived corruption index ranking.

Method: On a trip to Oman in 2014 I came across an international calling rates brochure from Nawras (see image below). This listed common labour supply countries, as shown in the below map. This list of countries is supported by other sources, such as Johns Hopkins University Protection Project publications (see sources below) and discussions with locals. Based on these discussions, Turkey was removed from the map. A report about Filipino workers in Kuwait from the Protection Project highlighted how inadequate governments, through such things as poor economic management, can encourage people to migrate to areas such as the Gulf in search of work. The difficulty of surviving in their home country outweighs the risks they face as migrant workers. Risks include physical and sexual abuse, confiscation of passports, labelling as 'eastern expats' and poor pay compared to 'western expats' (for more information on this, see <http://domestichelpabuse.crowdmap.com/>). As a window on the quality of governments in these labourer supply countries I show the 2013 perceived corruption index percentage of each country from Transparency.org. Scores from this source range from 0-100, higher is less corrupt. For a percentage I simply subtracted the score from 100 to get a perceived percentage of corruptness, possibly a more intuitive labelling system.

Limitations: Only the most common domestic and construction worker supply countries are shown, they may also be different for some countries in the Gulf, this is focused on Oman. The corruption ranking is based on people's perceptions, read more about it on the Transparency.org webpage listed below.

Sources: labour supply countries: Nawras Mousbak International brochure (2014) and the Protection Project (https://qed.princeton.edu/main/image/Trafficking_of_Persons%2C_Especially_Women_and_Children_Middle_East_Routes), corruption rankings: <http://cpi.transparency.org/cpi2013/>, borders: http://thematicmapping.org/downloads/world_borders.php, comment that poor economic management causes people to migrate to the Gulf (http://www.protectionproject.org/wp-content/uploads/2013/11/Domestic-Workers-Report-2013_Electronic-Version.pdf), readers may also be interested in <http://peoplemov.in/>



Where: Starbucks, Shaab, York Complex, Block 8, Plot 46, Al Shaab
When: Friday, August 1, 2014, 8:00 PM to 10:00 PM
Cost: free, but buy a coffee!
Description: We will talk about maps of human rights issues. Anything goes. Bring a map or a dataset to critique or promote. I will present for your critique a map of common domestic and construction worker supply countries for the region, along with their perceived corruption index ranking. Looking forward to seeing you at this free event.

Kafala states: Bahrain, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia and United Arab Emirates.

Current ban imposed by home country on workers going to a Kefala state from:
Bangladesh, India, Indonesia, Kenya,
Mauritania, Nepal, Pakistan, Sierra Leone,
Syria, Uganda.

Mutual ban on workers going to a Kefala state: Ethiopia and Kuwait.

Possible future ban on workers going to a Kefala state from: Philippines.

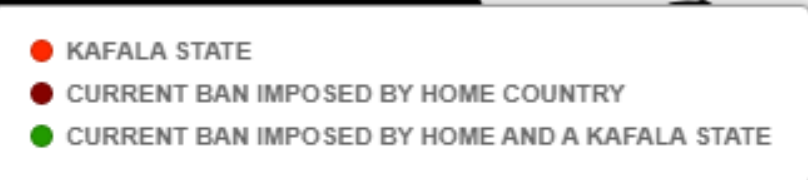
For sources, click countries on map.

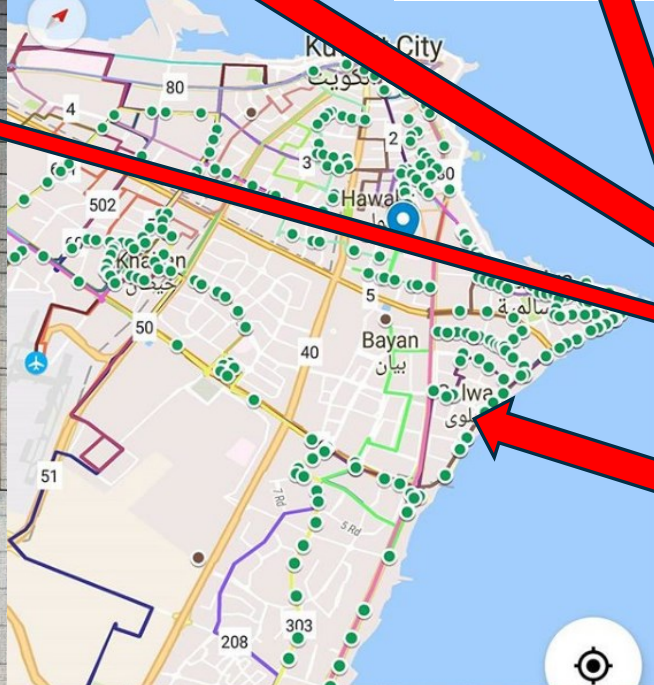
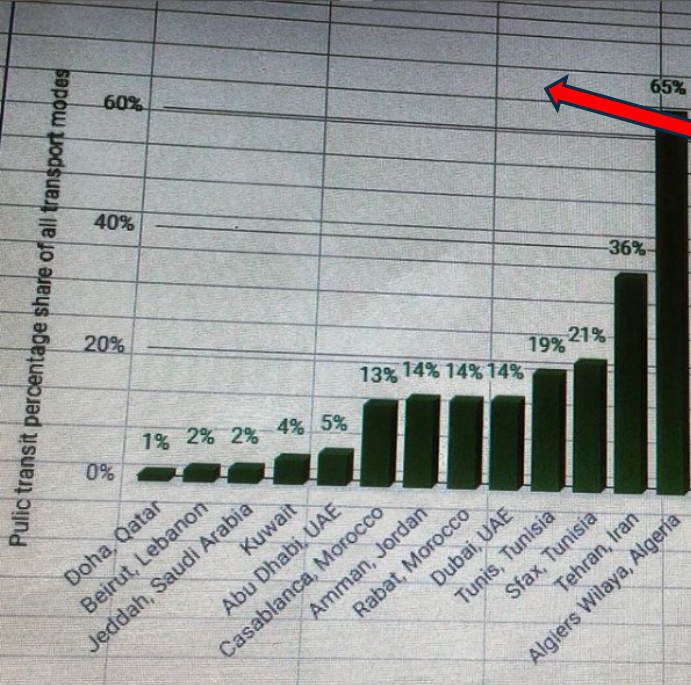
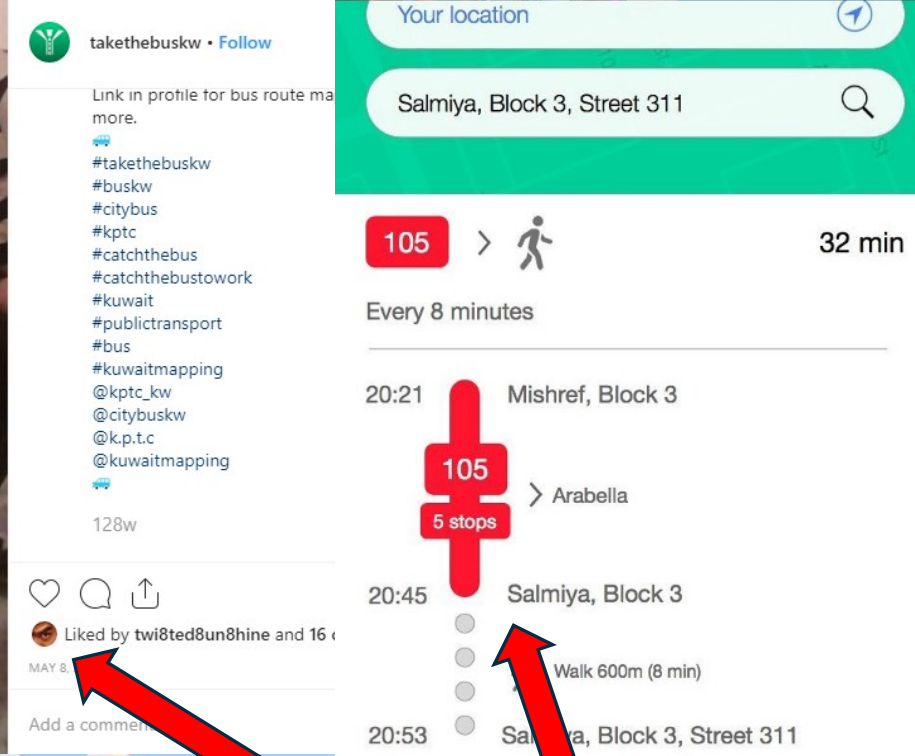
► In 2014

► Kafala sponsorship system for migrant workers

► Leads to abuse

- ▶ Even corrupt developing countries ban citizens going there





- ## BUSKW: Public tx app and campaign
- Designed mobile app
 - Social media campaign
 - 50 page project proposal plus research on transport deaths and pollution
 - Field survey + map of 1000+ bus stops
 - Mapillary: 650km of 360 image capture campaign

RESIGNATION FROM AMEC FW/WOOD PLC

- Management asked me to do a map animation of progress of work in North Kuwait asset
- They knew I had submitted my resignation due to their failure to manage safety, human trafficking and multiple suicides on projects **in this asset**
- Delayed job as long as possible
- Then refused to do job 4 days before scheduled departure date
- Told not to return to office

Dear Wilfred

The project has decided that at this point in time you are not adding value to its delivery and your behavior is seen as disruptive and therefore, it no longer requires your services.

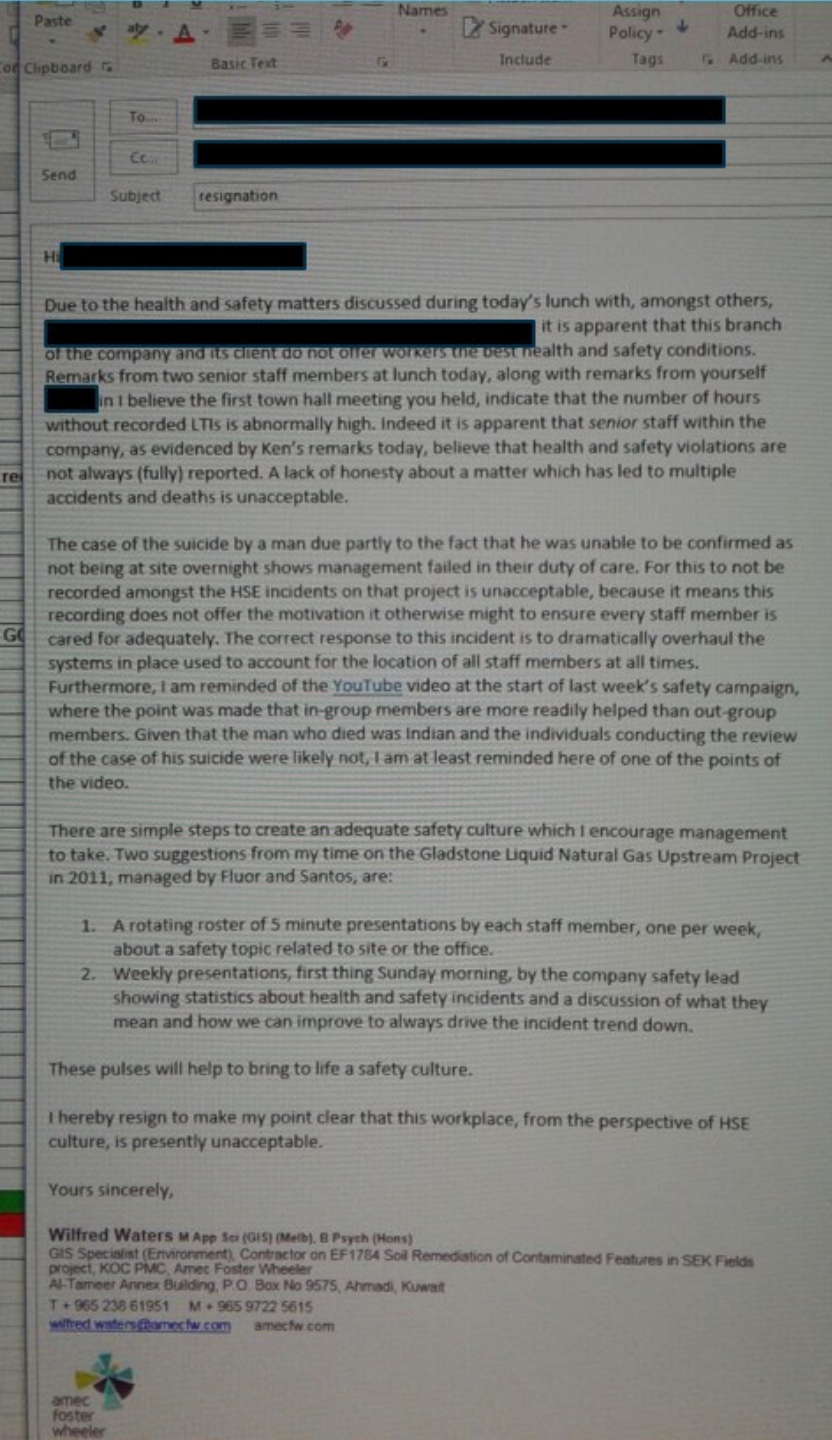
You are therefore required to leave the office with immediate effect and not return to the premises until your departure out of Kuwait. HR will be in contact with you tomorrow to discuss transport arrangements to the airport for your demob flight. Please hand over all company properties before you leave the office premises.

We take this opportunity to thank you for your contribution to the project and wish you all the very best for the future.

Regards

Kuwait HR Manager, Amec Foster Wheeler

@amecfw.com amecfw.com



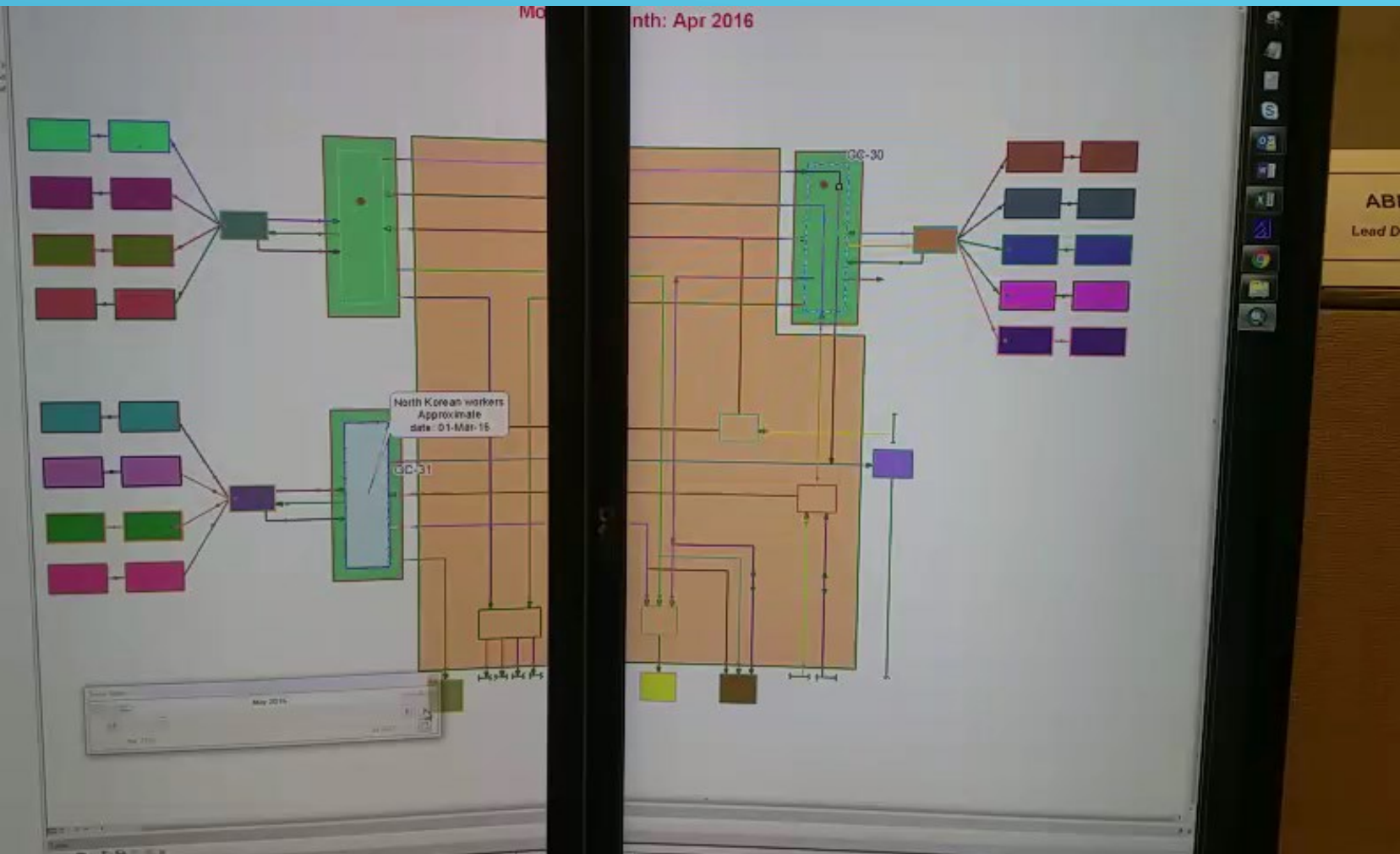
THEY DID NOT KNOW I
INSTEAD DID A MAP
ANIMATION OF SAFETY
CASES AND HUMAN
TRAFFICKING @ **N KUWAIT**

► Gathering Centre 30

- Work site open despite suicide there, February 2017, declared not work related
- Electrician fired for calling ambulance 17 May 2017
- Broken leg due to falling cabinet June 2017, no formal safety report

► Gathering Centre 31

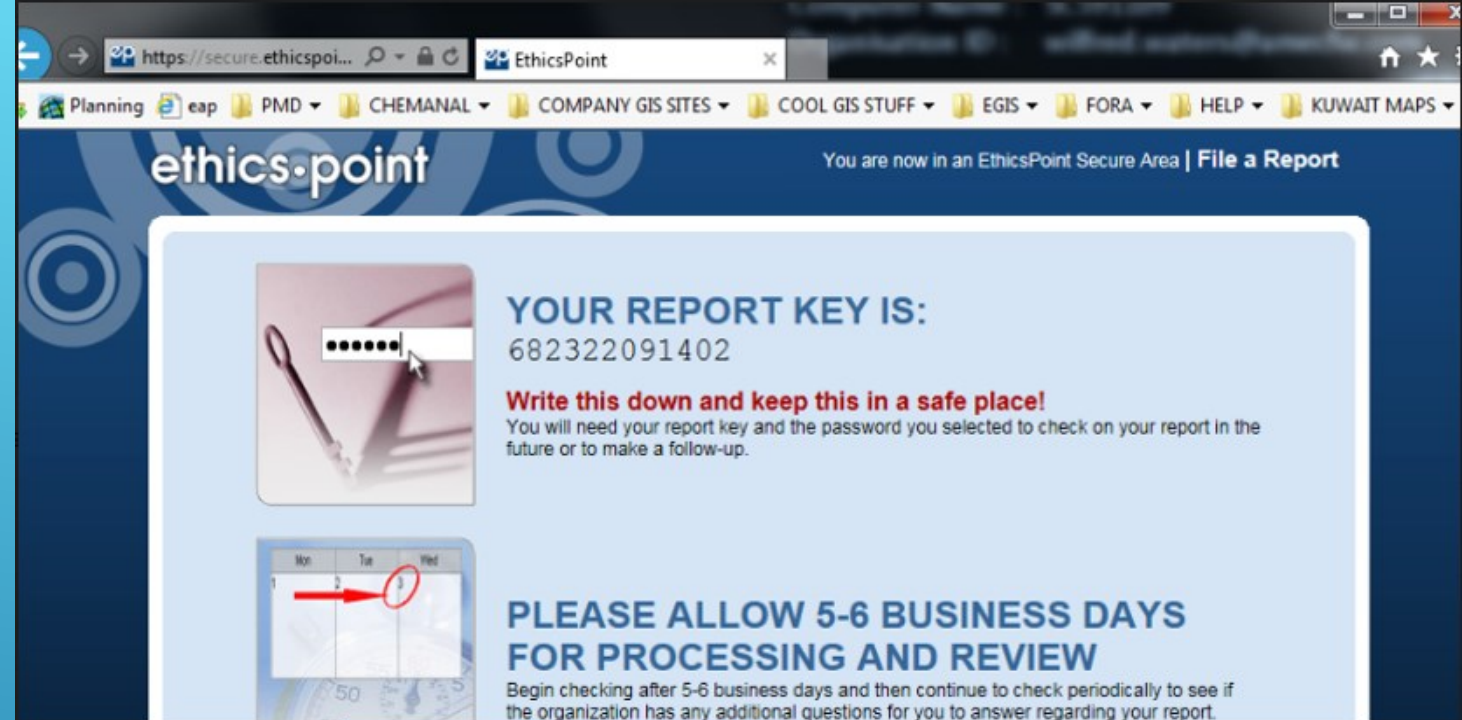
- North Korean workers March 2016
- Road fatality falsely declared not work related, March 2017



YES IT'S ON YOUTUBE <https://youtu.be/9Ko-vrcIgEk>

ETHICS REPORT TO END ALL ETHICS REPORTS

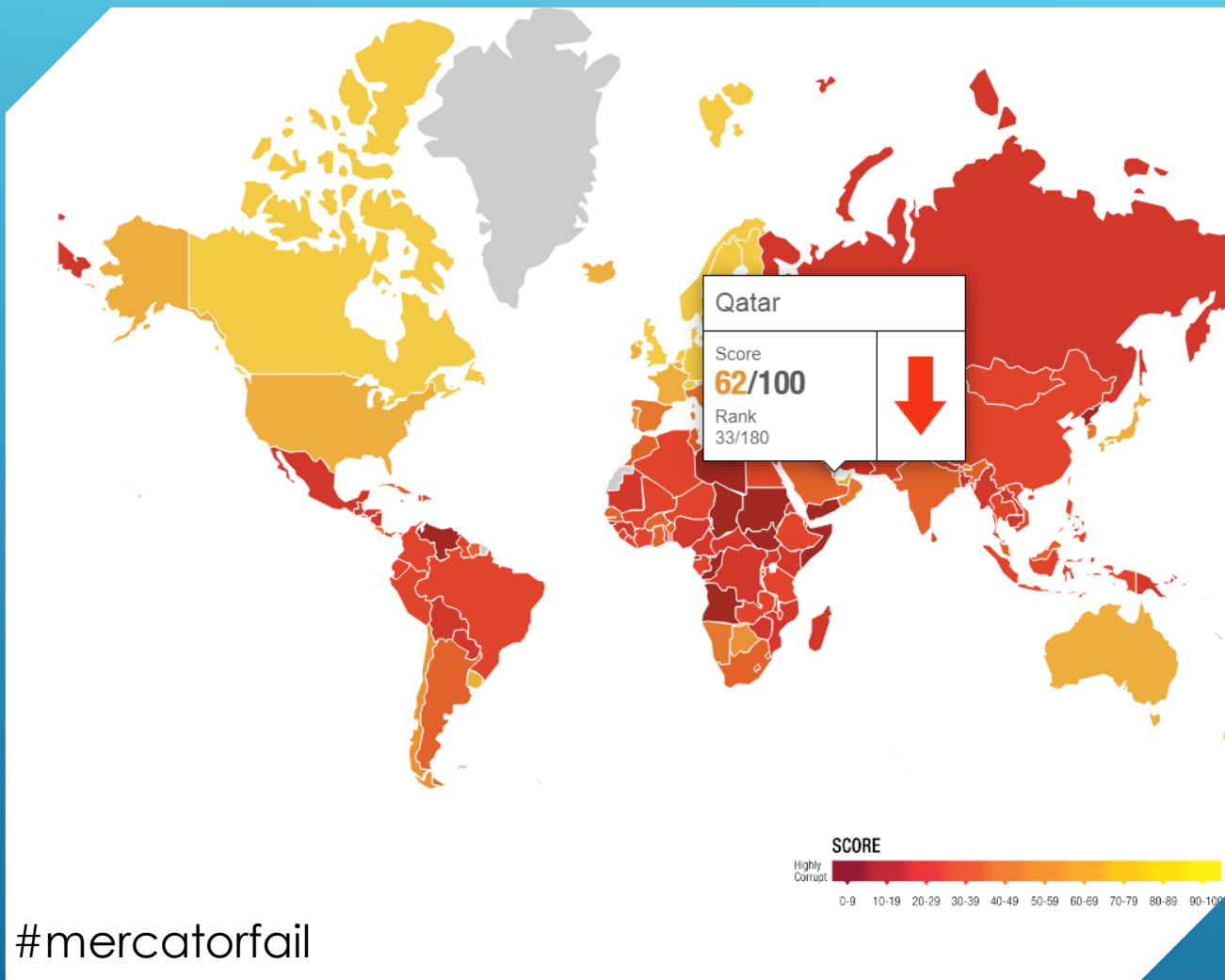
- ▶ Reports using company Ethics Point
- ▶ UK Global Compliance Officer visited Kuwait
- ▶ All foreign embassies in Kuwait
- ▶ New York times etc & Middle East newspapers
- ▶ Recruiters
- ▶ CEOs of Wood PLC, Amec Foster Wheeler, Kuwait Oil Company
- ▶ Princess Bibi Nasser
- ▶ Human Rights Watch etc



From: Wilfred Waters [REDACTED]
Date: Thu, 30 Nov 2017, 3:06 PM
Subject: Report of safety violations, human trafficking and forced labour on Wood PLC (formerly Amec Foster Wheeler) and Kuwait Oil Company projects
To: [REDACTED], [REDACTED], [REDACTED],
[REDACTED]

Dear Mr. [REDACTED] (CEO of Kuwait Oil Company), [REDACTED] (CEO of Wood PLC) and Mr. [REDACTED] (CEO of Amec Foster Wheeler),

I wish to make a report of safety violations, human trafficking and forced labour on Wood (formerly Amec Foster Wheeler (AmecFW)) projects in Kuwait. Until August 2017 I was a geographic information systems specialist for AmecFW on project EF1784 (Soil Remediation for Contaminated Features in SEK Fields). The below compliments a report I made to Mr. [REDACTED] mid year, when I informed him why I had resigned. Significant extra detail about many other safety issues in the company in Kuwait were told to me by various safety staff during my 3 month notice period, after they became aware of why I had resigned.



#mercatorfail

Transparency International: Corruption Perceptions Index

QATAR AUTHORITARIAN BINGO

- ▶ One family rule.
- ▶ Democratic reform process stopped since Arab Spring 2011-12.
- ▶ Poet imprisoned for life in 2012 for insulting the king.
- ▶ Alcohol, pork banned without a permit.
- ▶ Flogging and stoning are legal punishments.
- ▶ Modesty police.
- ▶ Transport blockade with Arab world, alleged terrorism funding



ESRI NORTHEAST AFRICA

- ▶ Headhunted: public transport app project
- ▶ Volunteering for BusKW lead to this job ☺
- ▶ Felt like a reward for resigning from Kuwait
- ▶ Could not bring Egyptian staff to Qatar due to blockade
- ▶ Project failed due to this
- ▶ Further sweet justice: we were taken off the job 2 months before my contract ended
- ▶ Paid five figures a month for two months to do this:



RECOVERY

- Cycled from Bulgaria to Washington DC
- 6,500km
- 3 months, 2 months moving
- 108km/day
- 200km/day by the end



RED PILL SIDE EFFECTS

- ▶ Still thinking of ways I could punish Amec Foster Wheeler/Wood PLC and the Kuwait Oil Company, 2 years later
- ▶ Intolerance of any vague sniff of unethical or unsafe workplace behaviour
- ▶ Good for the bank account
- ▶ Delayed life compared to peers
- ▶ Love of western democracy and freedoms
- ▶ Love of Adelaide, who knew
- ▶ Bored with cycling
- ▶ You are invited to:

Wednesday, October 30, 2019

Adelaide Mapup 7: Theodolites and Indian Smart Villages



Hosted by [Wilfred Waters](#)

From [Adelaide Mapup](#)

Public group

Share

Organizer tools

Wednesday, October 30, 2019
5:30 PM to 7:30 PM
[Add to calendar](#)

The Treasury on King ...
144 King William Street ·
Adelaide

How to find us
Between Victoria Square
and the Town Hall on
King William St.



[Report this event](#)



Details

Welcome to Adelaide Mapup 7.

It will involve old theodolites and smart villages in India.

THEODOLITES

We will have an early 1900s theodolite on display from the collection of one of our members. We will be in the courtyard at The Treasury so we can look through it and take measurements.