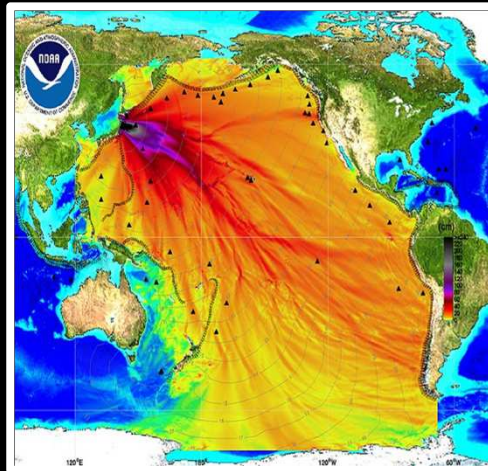


世界におけるフクシマ

~FUKUSHIMA in the World~



福島大学 Fukushima University
マクマイケル ウィリアム William DY McMichael
mcmichael@econ.fukushima-u.ac.jp

発表者について

About the Speaker

COVER STORY

Canada's "Biggest Fan" of Fukushima

William McMichael, a native of Vancouver, Canada, works in the Student Services Division of Fukushima University. Since the Great East Japan Earthquake struck, he has been actively presenting information on Fukushima to overseas audiences and tackling the recovery of the disaster-affected region. McMichael spoke with the Japan Journal's Osamu Sawaji.

Please tell us about the current situation in Fukushima.

William McMichael: The evacuation of residents from the area surrounding the accident site at the TEPCO nuclear power plant is ongoing, and tsunami damage remains along coastal areas. That said, in most parts of Fukushima Prefecture, people are going about their lives as usual without any disruptions whatsoever. Fukushima City, where Fukushima University is located, is more than 50 kilometers away from the nuclear power plant, and I am comfortable living here.

Before the earthquake hit, there were many students who had their sights set on working in Tokyo after graduating from Fukushima University, but now there has been a huge jump in the number of students wanting to remain in Fukushima to help the recovery. The new academic year begins this April, and we've even seen an increase in the number of entrance exam applicants for Fukushima University compared with last year.

What kinds of activities have you been involved with since the Great

East Japan Earthquake?

Since the earthquake I have visited Romania, Canada, the United States, Germany and France in my capacity as a Fukushima University staff member. At every opportunity I have reported on the current situation in Fukushima and appealed for support. In every country, I've gotten the impression that people are very concerned about Japan, and I've realized that Japan is truly loved. My work also involves cooperation between Fukushima University and overseas universities, and since the Great East Japan Earthquake, we have decided on affiliations such as exchange student programs with universities in Romania, Belarus, China and the United States as a part of each university's support for the disaster-affected area.

I also co-established Hearts for Haragama, a volunteer organization that provides support to a kindergarten in Soma, Fukushima Prefecture, which suffered enormous damage from the tsunami. I have taken part in activities with other foreigners residing in Fukushima, such as delivering supplies, collecting donations and conducting exchanges with kindergarten students.

FUKUSHIMA

What is it you find appealing about Fukushima?

I think it's the people. The people in Fukushima have very strong feelings of compassion for one another. When I went to the supermarket with my wife and our three-year-old son the day after the quake, I entered through the back door by mistake. As I noticed

there was a long line to get into the store, I tried to leave, but a store clerk was concerned about us with our child and allowed us to shop without going back out to queue up. What's more, when we tried to pay, we were told, "You look like you have enough on your plate now, so please pay when things calm down."

The nature is also wonderful. I love to ski, and the quality of the snow in Fukushima is as good as anything in Canada. Another thing is the cherry blossoms. The Takizakura, a cherry tree said to be some 1,300 years old in the town of Miharu, is truly beautiful. Fukushima is also full of historical buildings and ruins, such as the series of Buddhist statues carved into the rock face of Shinobu-yama mountain during the Edo period (1603-1867).

Tell us about your future goals.

From the age of five to eight, I lived in Japan, which is my mother's home country. During that time I read the biography of Inazo Nitobe, and ever since I have wanted to do a job that involved building bridges between Canada and Japan. I've only lived in Fukushima for about



William McMichael volunteers to teach English conversation and provides consultation services to students who wish to study abroad.

five years, but I take pride in the feeling that I'm one of Canada's biggest fans of Fukushima. Now I consider it my role to establish links between Fukushima and Canada, and between Fukushima and the rest of the world. This June, around ten students from an American university affiliated with Fukushima University will stay in Fukushima for about two weeks to take part in activities such as reconstruction support and work with farming households. In the future, I want to attract even more students to Fukushima.

From April 2011, Fukushima University's Fukushima Future Center for Regional Revitalization began operation, and I hope that many researchers from overseas come to the center. The center conducts research into a broad range of fields aimed at Fukushima's recovery, including education, disaster prevention, city planning and the environment. This is probably the only place in the world where you can conduct research into recovery from a disaster and have that research actually aid in the recovery going on around you. I hope we can turn adversity into opportunity and connect these efforts to Fukushima's recovery. □

3.11

2011

2:46 PM



The Daily Telegraph

Just 48 hours to avoid 'another Chernobyl'

- Pool for spent fuel rods has 'boiled dry'
- Engineers battle to stave off meltdown
- Britons advised to leave Tokyo

By Gordon Hester and Mark Evans

It is less than 48 hours before the world's most powerful nuclear reactor will be shut down, but the danger of a meltdown is still very real. Engineers are working round the clock to prevent a disaster like Chernobyl.



The spent fuel pool at Fukushima Daiichi nuclear power plant is a critical part of the containment system. It is now empty, and the risk of a meltdown is high.

Fukushima Fifty on whose bravery all hope rests



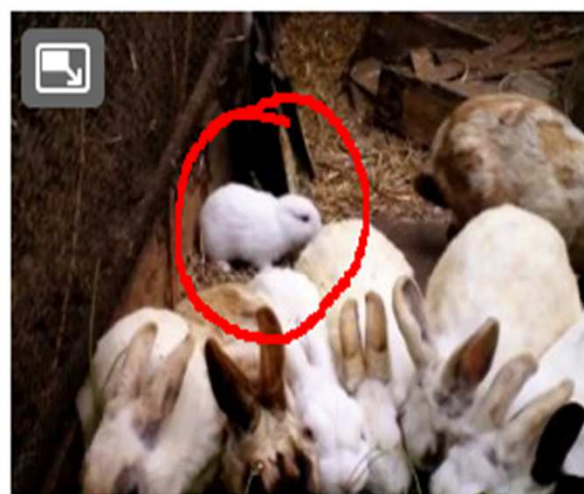
The Fukushima Fifty are the workers who have been working tirelessly to contain the disaster. They are the heroes of the story.

The Fukushima Fifty are the workers who have been working tirelessly to contain the disaster. They are the heroes of the story.

LAURA ASHLEY
MEGA EVENT
25% OFF EVERYTHING
PLUS TRIPLE POINTS
18.9% APR

THE Sun CHELTENHAM
FREE £6 BET
NUCLEAR FALLOUT FEAR
EXODUS FROM TOKYO
1,000s flee poison cloud

DAILY NEWS
NEW YORK'S HOMETOWN NEWSPAPER
JAPAN NUKE DISASTER
PANIC!
Workers halt desperate struggle to stop meltdown
140,000 warned to stay indoors
Anti-nuke pills sell out on jittery U.S. West Coast
COMPLETE COVERAGE — SEE PAGES 4-6



(Photo: Youtube)
An earless bunny is seen near Fukushima nuclear power plant





FUKUSHIMA



SPECTRE OF
FUKUSHIMA

AR
BIN



FUCK
NUCLEAR
USHIMA

ZONE TO FIND THAT MANY MORE ARE PUTTING THEIR
LIVES AT RISK. REPORT BY MICHAEL SHERIDAN

震災前 PRE-MARCH 11TH

外国人に対する先入観
を無くしてください！

Let's lose our stereotypes
against foreigners!



世界 ⇒ 福島へ
The World to Fukushima

震災後 POST-MARCH 11TH

福島に対する先入観を
無くしてください！

Let's lose our stereotypes
against Fukushima!



福島 ⇒ 世界へ
Fukushima to the World

THE FUKUSHIMA AMBASSADORS PROGRAM





FAP I – JUNE, 2012



FAP II – JAN., 2013



FAP III – JUNE, 2013



FAP IV – JAN., 2014



FAP V – JUNE, 2014



FAP VI – AUG., 2014



FAP VII – AUG., 2015



FAP VIII – JAN., 2016



FAP IX – AUG., 2016



F.A.P X- JAN., 2017



テーマ: 3つの難問 PROGRAM THEME: THREE CHALLENGES

1) 「3.11以前に存在していた難問」

Challenges that existed prior the March 11th disasters

(人口減少、高齢化、少子化等)

(Population Decreasing, Low birthrates, Aging Demographics, etc)

2) 「3.11によって発生した難問」

Challenges that were created by the March 11th disasters

(放射線被ばくへの健康不安、震災関連死、避難・帰還、廃炉、除染、賠償・補償等)

(Health concerns due to Radiation Exposure, Indirect casualties, Evacuation and Re-population, Decommissioning, Compensation, etc.)

3) 「3.11後に深刻化した難問」

Challenges that were escalated by the March 11th disasters

(地域の過疎化、産業の停滞、偏見、家族やコミュニティの信頼関係や絆の分断等)

(Depopulation of rural areas, Economic Revitalization, Discrimination, Breakages in community and family ties)

福島
の過去

Fukushima's Past

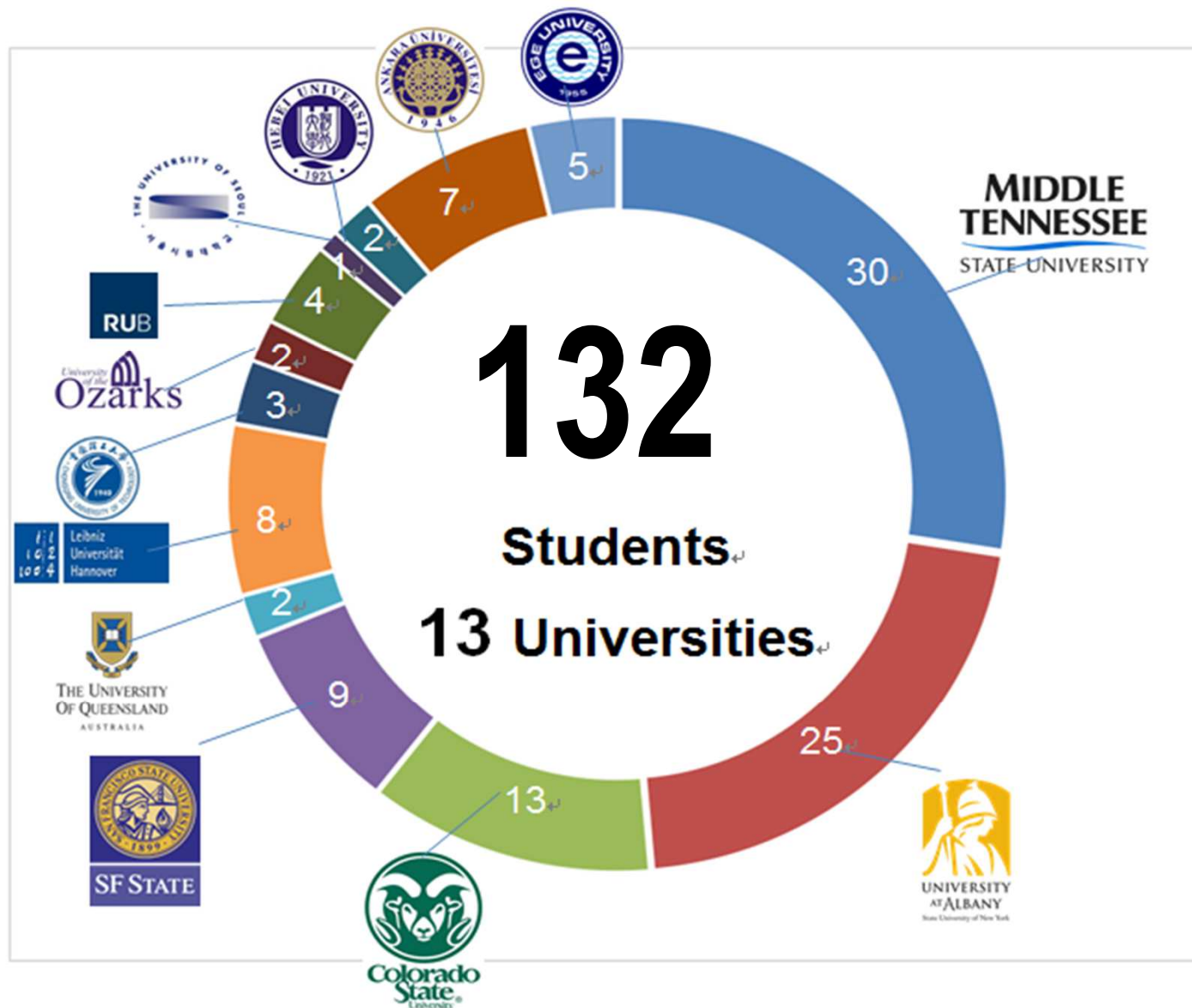
福島
の現在

Fukushima's Present

福島
の未来

Fukushima's Future









Fukushima



Search by image



Fukushima



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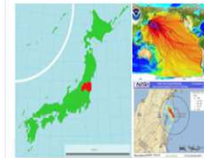
Mutations



Nuclear Disaster



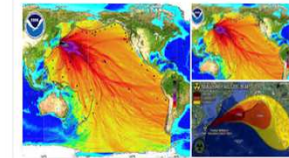
Before And After



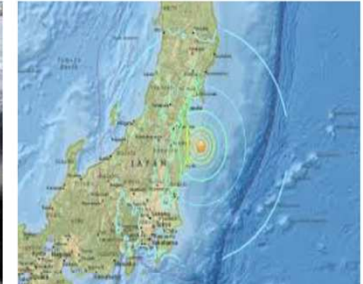
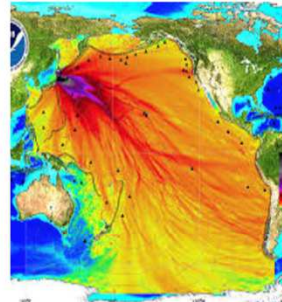
Map



Nuclear Disaster ...



Radiation





Fukushima



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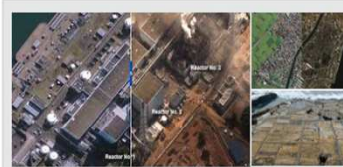
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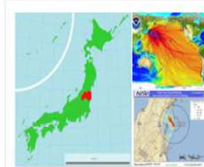
Mutations



Nuclear Disaster



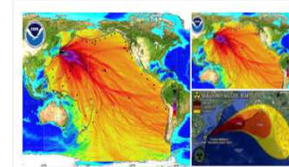
Before And After



Map



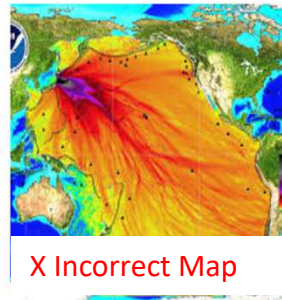
Nuclear Disaster ...



Radiation



X Miyagi



X Incorrect Map



X Chiba



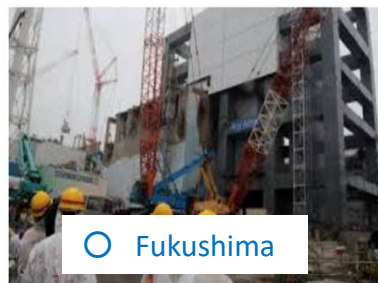
X Chiba



X Chiba



X Chiba



○ Fukushima



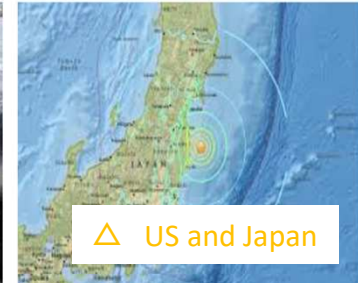
○ Fukushima



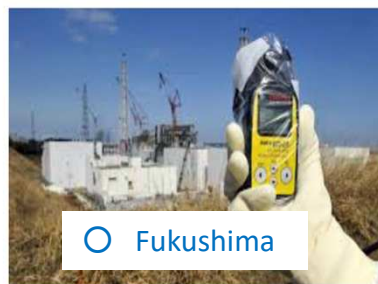
△ US and Japan



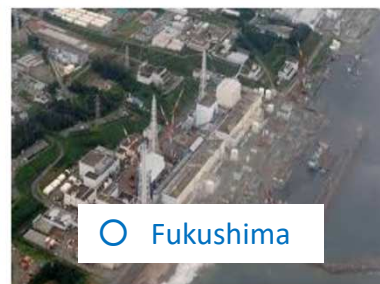
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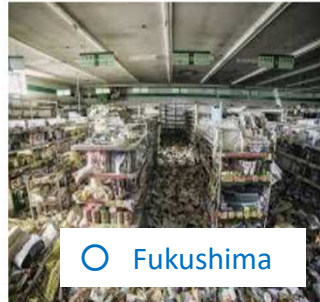
△ US and Japan



○ Fukushima



○ Fukushima



○ Fukushima



X Wikipedia



○ Fukushima



Fukushima



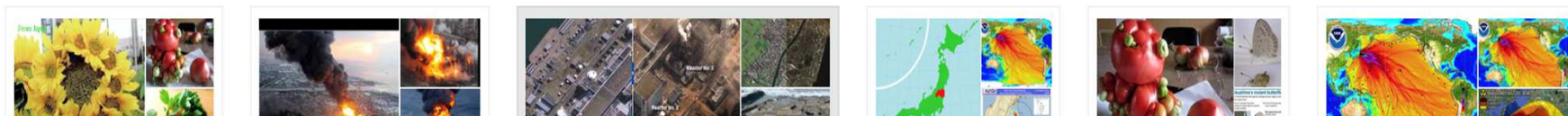
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東北地方太平洋沖地震
各地に大津波警報

震度3

涌谷町
高畠町

登米市
白鷹町

大崎市
福島市

千葉 市原
中継



[○ Fukushima](#)

[○ Fukushima](#)

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[X Wikipedia](#)

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Fukushima



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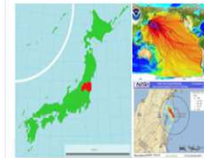
Mutations



Nuclear Disaster



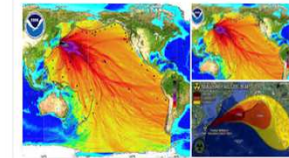
Before And After



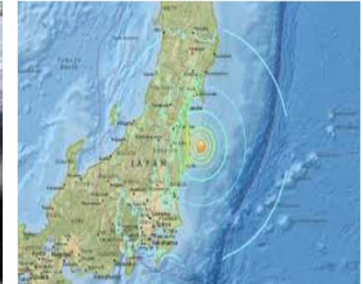
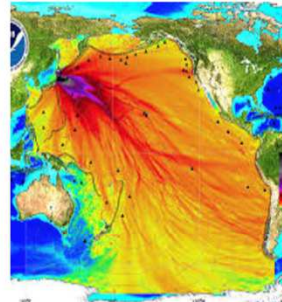
Map



Nuclear Disaster ...



Radiation





Fukushima



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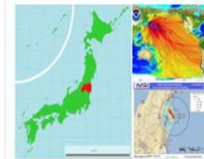
Mutations



Nuclear Disaster



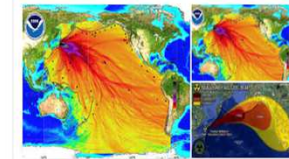
Before And After



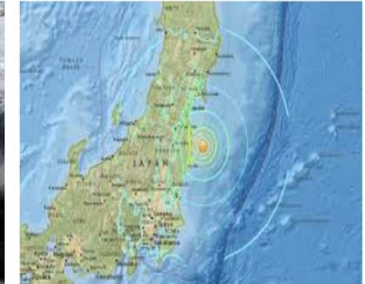
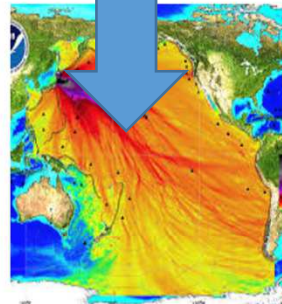
Map



Nuclear Disaster ...



Radiation





Fukushima Radiation Has Contaminated The Entire Pacific Ocean (And It's Going To Get Worse)



by Tyler Durden

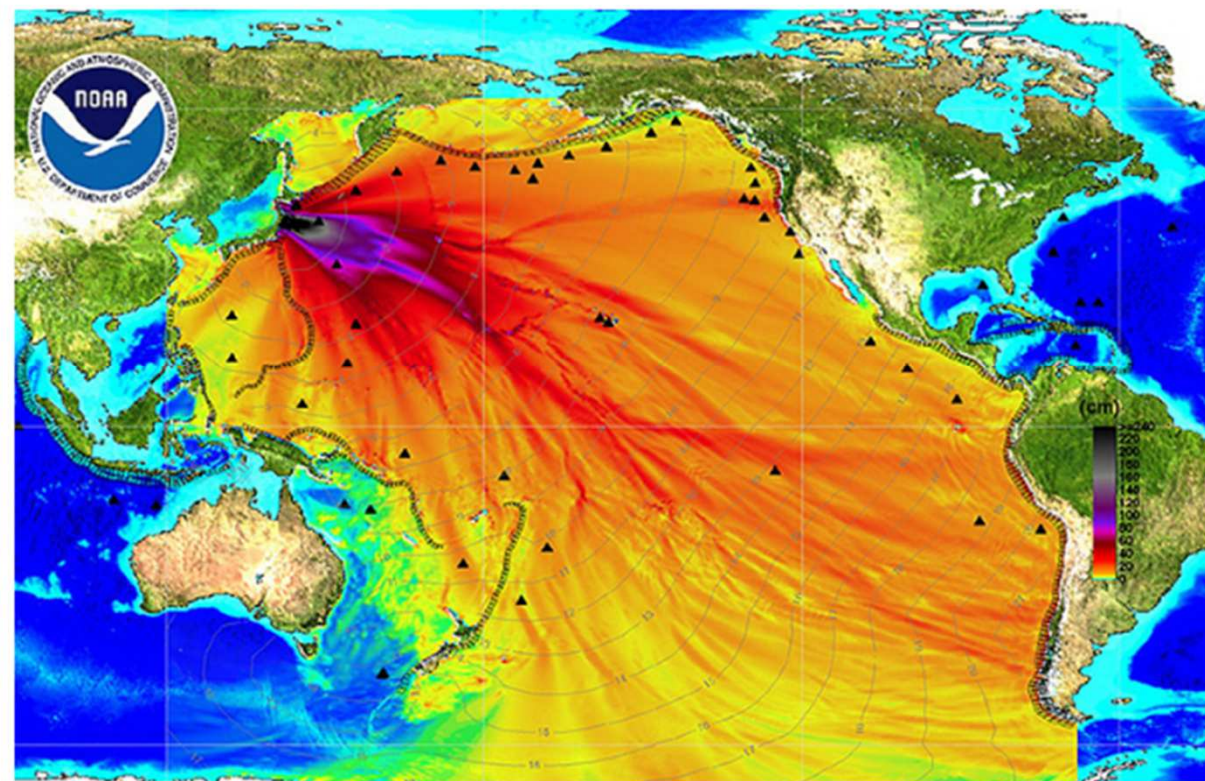
Oct 2, 2016 12:19 PM

129.8K
SHARES



Submitted by Whitney Webb via TrueActivist.com,

The nuclear disaster has contaminated the world's largest ocean in only five years and it's still leaking 300 tons of radioactive waste every day.



Japan finally admits the truth: right now, we have an emergency at Fukushima

Tepco is struggling to contain the highly radioactive water that is seeping into the ocean near Fukushima. The head of Japan's NRA, Shinji Kirjo exclaimed, "right now, we have an emergency." In the past, the government has been reluctant to admit this.

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8,225 people



Fukushima



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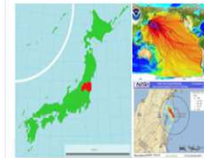
Mutations



Nuclear Disaster



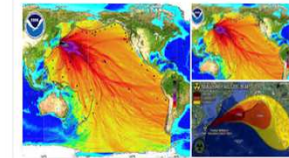
Before And After



Map



Nuclear Disaster ...



Radiation

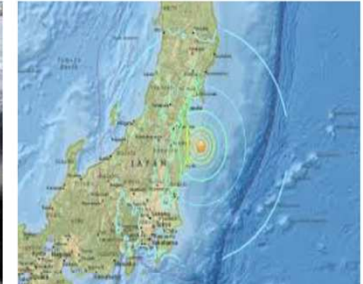
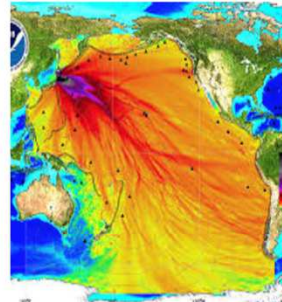
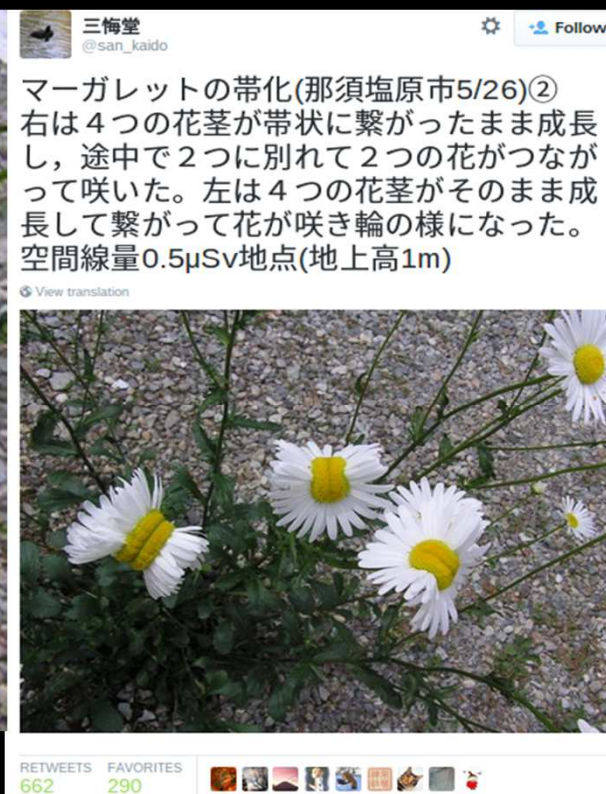




Image Courtesy of https://twitter.com/san_kaido



Baden-Wuerttemberg, Germany



Island Park, Idaho, USA

帯化
(Fascination)

Nuclear leak aftermath: Deformed daisies spotted at Fukushima disaster site in Japan

by FP Staff Jul 23, 2015 13:34 IST

POPULAR GALLERIES



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India vs England, 2nd Test: Hosts on top after late Alastair Cook dismissal



Spotted at 2.0 first look launch: Rajinikanth, Salman Khan, Karan Johar, AR Rahman and Akshay Kumar



Shah Rukh, Ranveer, Jay Z grace Global Citizen Festival alongside Coldplay



Befikre song launch: Ranveer Singh and Vaani Kapoor are at their funniest



India vs England, 2nd Test: Virat Kohli, Ravichandran Ashwin power hosts to 246-

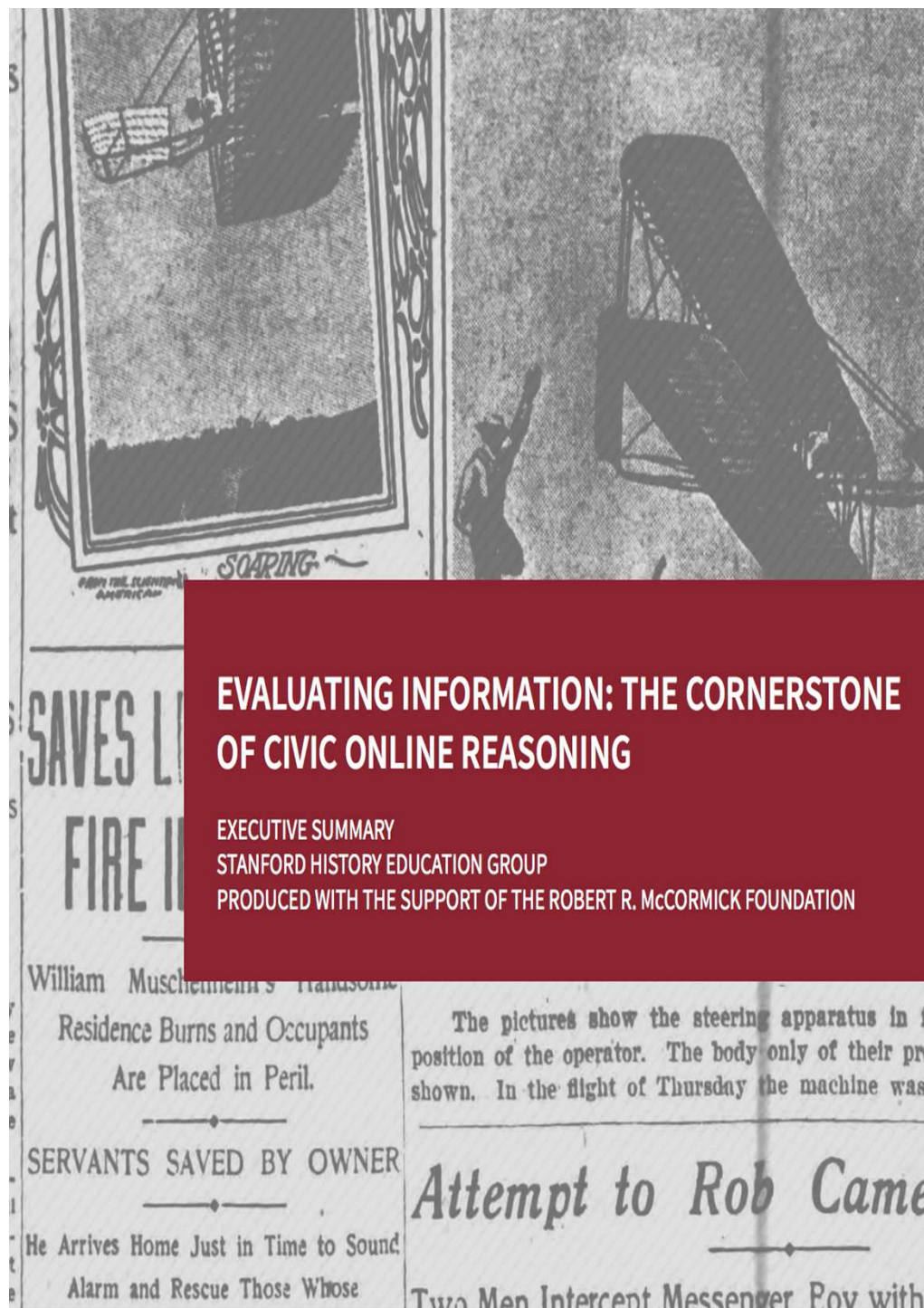


Photos: 1 of 3



These images of mutant daisies, growing at the Fukushima nuclear disaster site in Japan, doing the round of social media websites levels of radiation remain in the area –





On March 11, 2011, there was a large nuclear disaster at the Fukushima Daiichi Nuclear Power Plant in Japan. This image was posted on Imgur, a photo sharing website, in July 2015.



Does this post provide strong evidence about the conditions near the Fukushima Daiichi Power Plant? Explain your reasoning.

RUBRIC

MASTERY	Student argues the post does not provide strong evidence and questions the source of the post (e.g., we don't know anything about the author of the post) and/or the source of the photograph (e.g., we don't know where the photo was taken).	>20%
EMERGING	Student argues that the post does not provide strong evidence, but the explanation does not consider the source of the post or the source of the photograph, or the explanation is incomplete.	
BEGINNING	Student argues that the post provides strong evidence or uses incorrect or incoherent reasoning.	More than 40%

No, it does not provide strong evidence about the conditions near the Fukushima Daiichi power plant. It does not provide strong evidence because it could just be a mutation in the plant. There also isn't evidence that this is near the Fukushima Daiichi power plant.

福島第一原子力発電所近辺の状況を表すとは言い切れません。ただの突然変異かもしれませんし、そもそもこの写真が第一原子力発電所近辺で撮られたものかもわかりません。

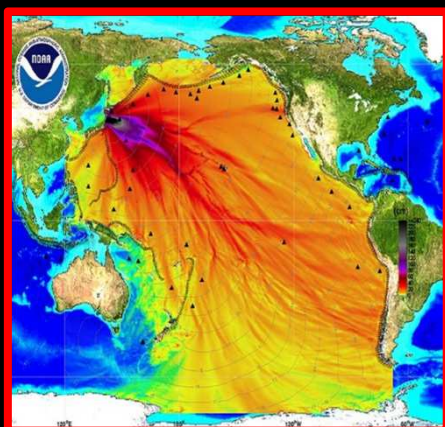
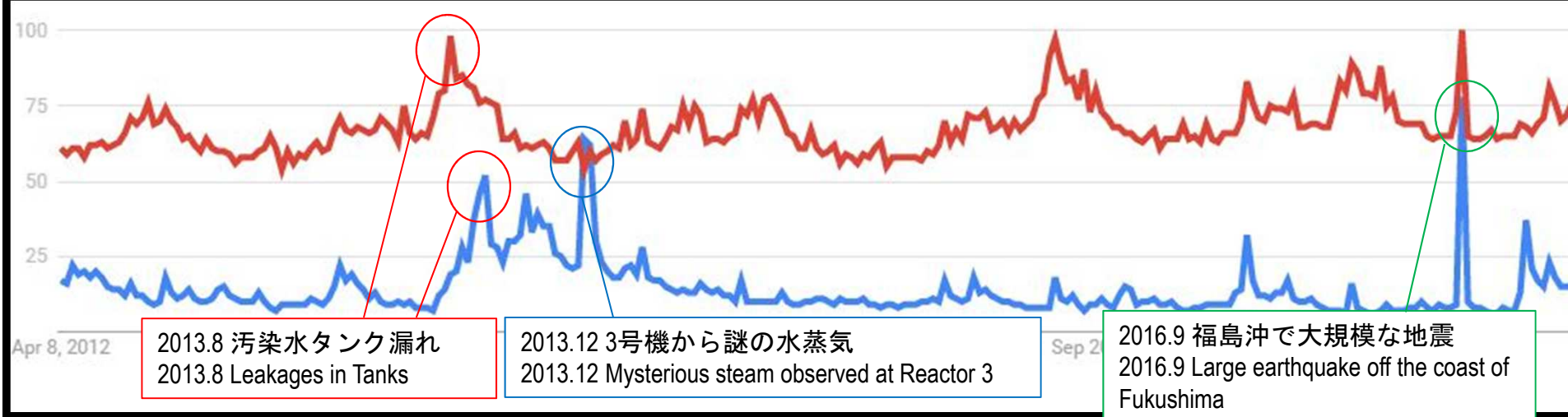
No, this photo does not provide strong evidence because it only shows a small portion of the damage and effects caused by the nuclear disaster.

この写真は強い根拠資料とは言えません。なぜなら、原子力災害のほんの一部の被害しか表していないからです。

回答者の40%以上が、マーガレットの写真を原子力災害をよく表す根拠資料であると回答（全ての設問中、最大値）

過去5年の検索GOOGLEトレンド GOOGLE SEARCH TRENDS 2012-2017

赤線 = 「福島」のグーグル検索トレンド Red Line = Google Trend for search term 福島
青線 = Fukushimaの「福島」のグーグル検索トレンド Blue Line = Google Trend for search term Fukushima

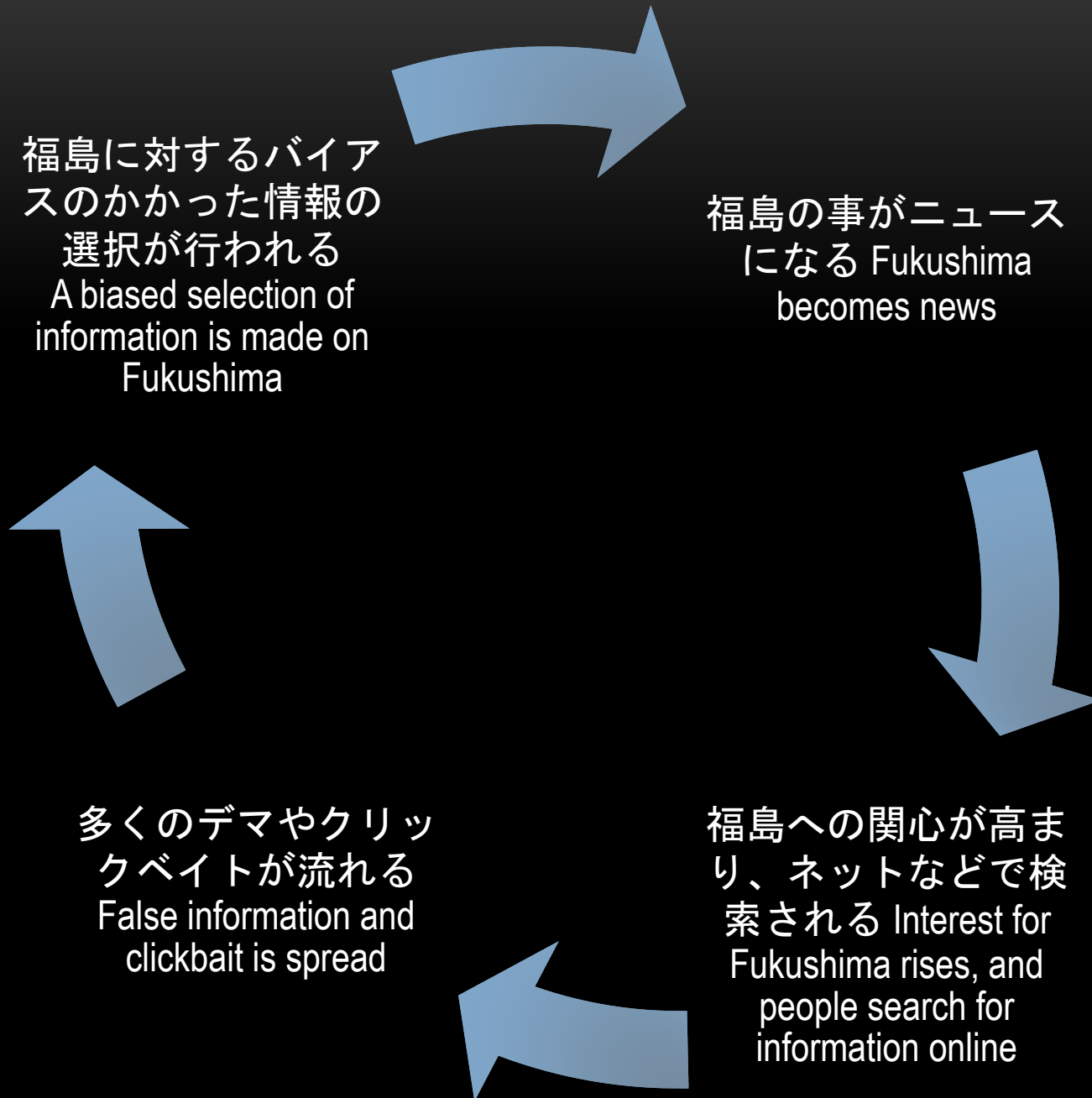


福島に対するバイア
スのかかった情報の
選択が行われる
A biased selection of
information is made on
Fukushima

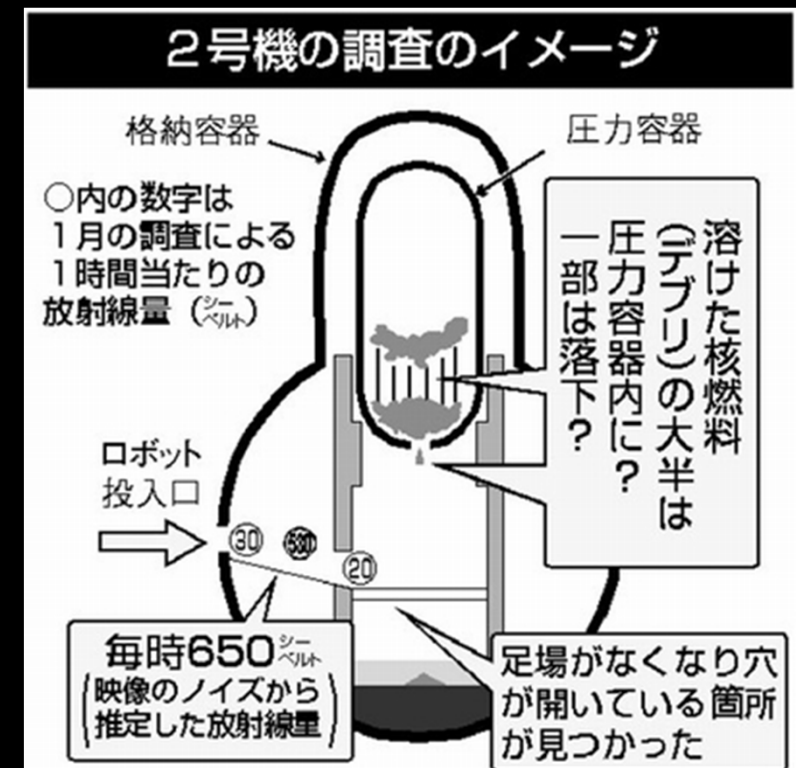
福島の事がニュース
になる Fukushima
becomes news

多くのデマやクリッ
クベイトが流れる
False information and
clickbait is spread

福島への関心が高ま
り、ネットなどで検
索される Interest for
Fukushima rises, and
people search for
information online



最近の事例 Recent Example



[Solutions & Innovations](#)[Réglementation](#)[Formation professionnelle](#)[Agenda](#)[Librairie](#)

Générateur de dioxyde de chlore
contre le risque Legionella des
circuits d'eau par Lutz-Jesco
France



Tour aéroréfrigérante : éliminez
les bactéries avec un biocide
biologique par [Amoéba](#)

Fuk
high

Le démantèlement de la centrale de Fukushima se complique

Les fortes radiations décelées sous la cuve du réacteur n°2 émanent de débris de corium, et pourraient ralentir la tâche des robots chargés de préparer l'extraction du combustible fondu.

Risques | 08 février 2017 | Agnès Sinai

A-

A+

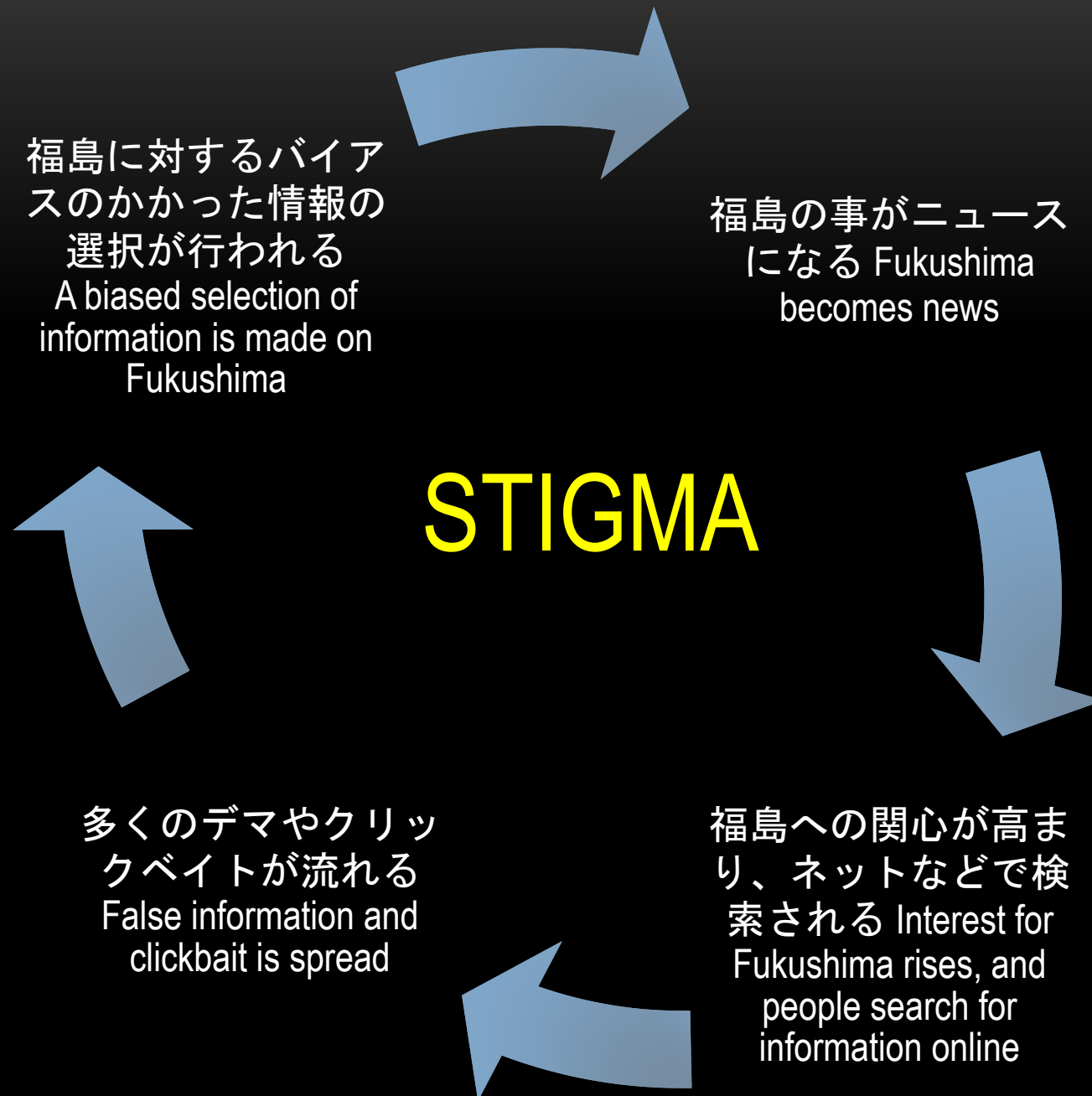


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Reporters Face 10 Years In Jail If They Mention Fukushima ‘Conspiracies’

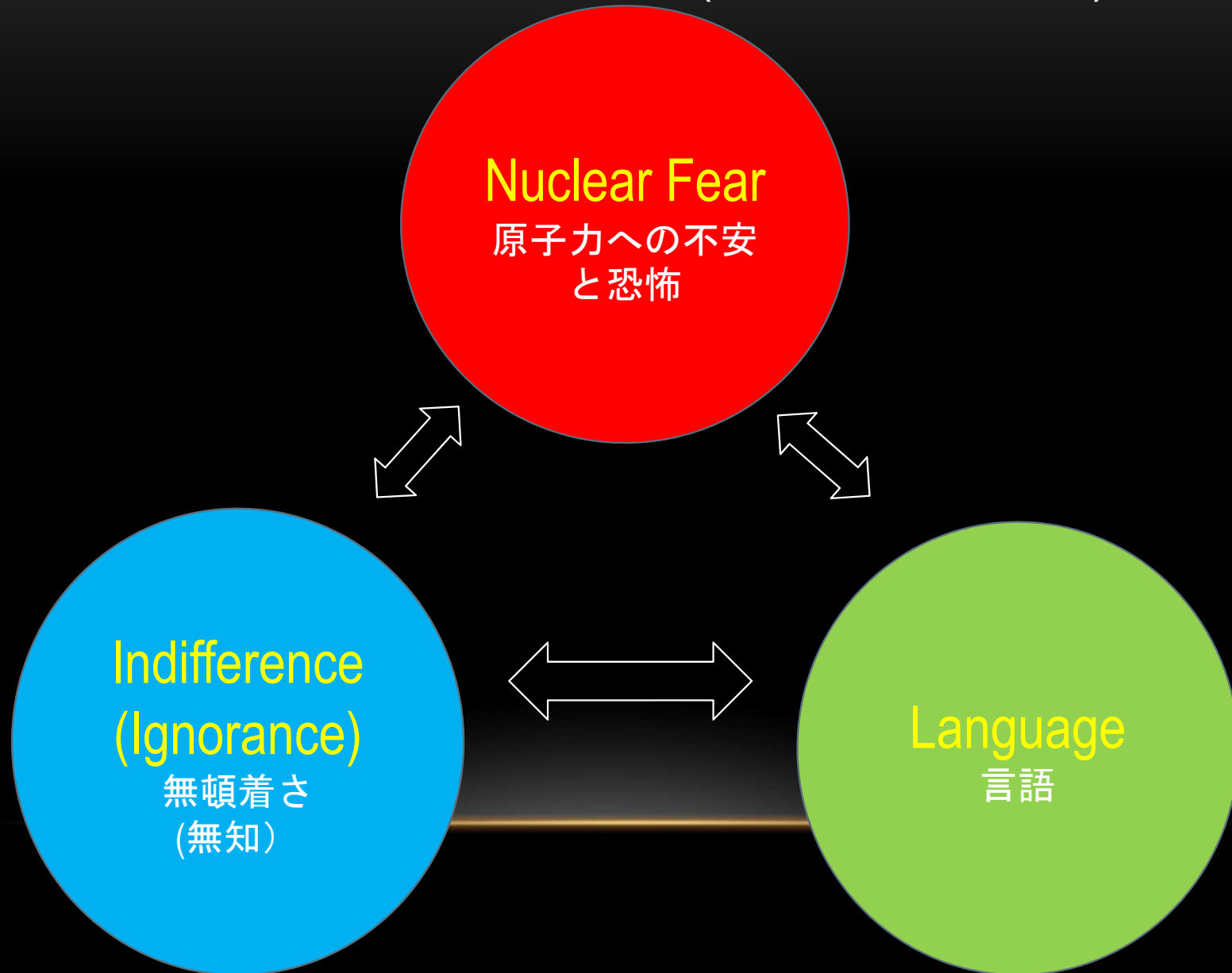
🕒 February 17, 2017 👤 Sean Adl-Tabatabai 📁 News, World 💬 10

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STIGMAの要因（私見）

THE SOURCE OF THE STIGMA (OBSERVATION)



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THE RISE OF NUCLEAR FEAR

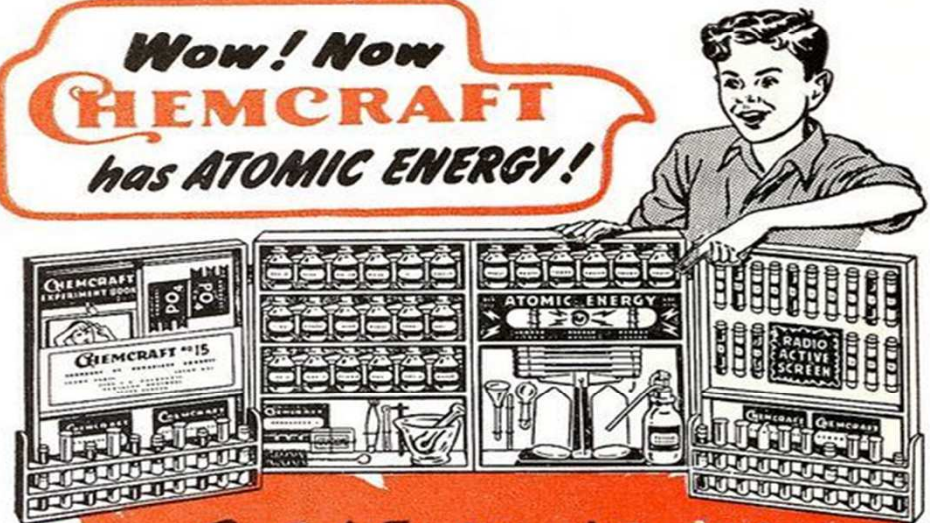
SPENCER R. WEART



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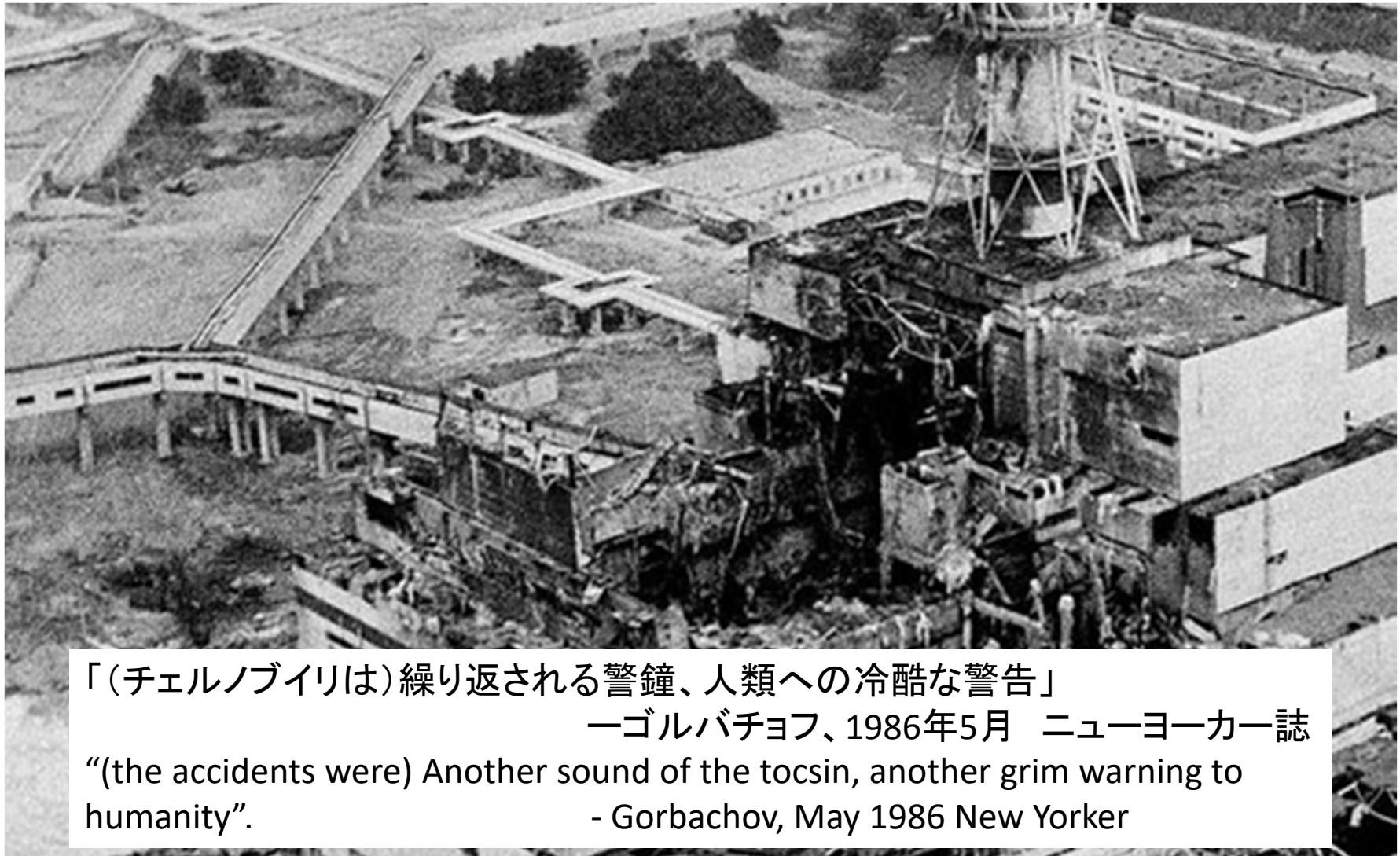
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CHEMCRAFT
has ATOMIC ENERGY!



Safe! Exciting! Real!
ATOMIC ENERGY
Exclusive with CHEMCRAFT!

80年代以降 原子力産業＝隠蔽・脅威

Post-80's Nuclear Industry= Concealment / threat



「(チェルノブイリは)繰り返される警鐘、人類への冷酷な警告」

—ゴルバチョフ、1986年5月 ニューヨークー誌

“(the accidents were) Another sound of the tocsin, another grim warning to humanity”.

- Gorbachov, May 1986 New Yorker

既知からの恐怖 Fear of the Known



未知への恐怖 Fear of the Unknown



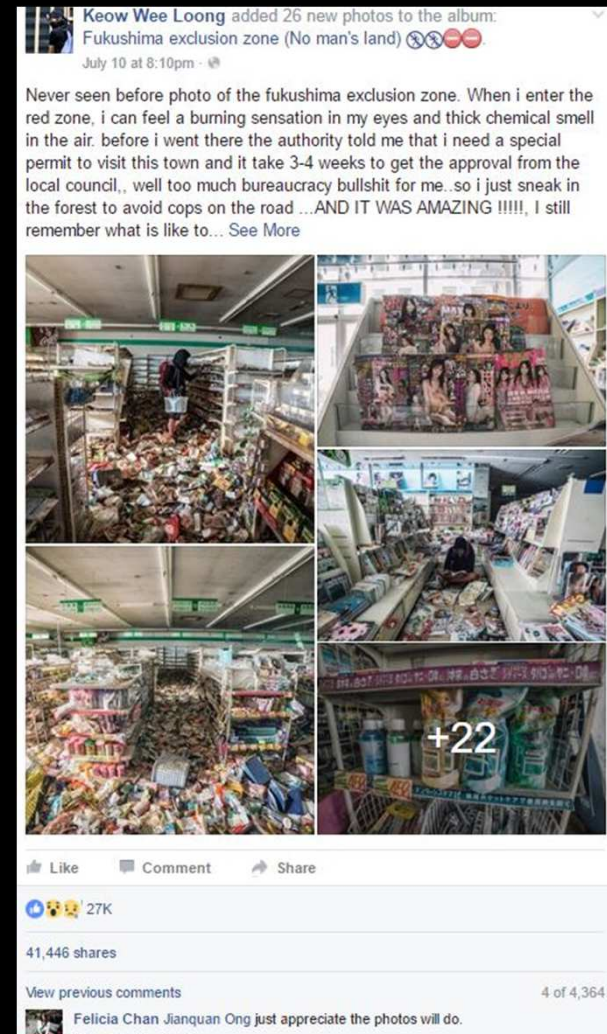


Source: CNN

2016.7.10 マレーシア人写真家Keow Wee Loong氏によるSNS投稿事件

- Never seen before photo of the fukushima exclusion zone. When i enter the red zone, i can feel a burning sensation in my eyes and thick chemical smell in the air. Before i went there the authority told me that i need a special permit to visit this town and it take 3-4 weeks to get the approval from the local council,, well too much bureaucracy bullshit for me..**so i just sneak in the forest to avoid cops on the road ...AND IT WAS AMAZING !!!!!...** Have you ever wondered what it's like in fukushima exclusion zone now ??? To feel what is like to be the only person walking in the town when you have 100% full access to every shop and explore?**Everything is exactly where it is after the earthquake struck this town . Not many people have seen this town for the last 5 years...its like it vanished ...** i can find food,money,gold,laptop and other valuables in the red zone....
- 誰も見たことがない福島のパ警戒区域の写真だ。レッドゾーンに入った瞬間、目が染みるような感覚と濃い科学的な匂いが鼻に入る。ここに入る前に、自治体に立ち入りに関する問い合わせをした時に、特別な許可が必要で、3ー4週間の時間がかかると言われた。そんなバカバカしい役所仕事に付き合う気はないので、森から入って警察から隠れて侵入してみた。そして**最高だった!!!**今の、福島のパ警戒区域に入ってみるとどんな感じなのか、想像したことはないか??町の中で、ただ一人だけ歩き回れて、好きに建物に出入りできる感覚を味わったことはないか??**この町では、すべて震災後に取り残されたままの状態に残っている。私が今回入った町の現状を5年間に、ほとんど誰も見たことがない。まるで消されたかのように...**レッドゾーンには、食べ物、お金、金、ノートパソコン...なんでも残されていた。


投降後、SNSで拡散



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Photographer sneaks into Fukushima 'Red Zone'

By Denise O'Sullivan, CNN
Updated 2:23 GMT (2:23 HKT) July 13, 2016




Photos: Photographer sneaks into Fukushima 'Red Zone'

Last month, Malaysian photographer Kwee Jiew Loong and two colleagues managed to get past authorities and make their way into Fukushima's exclusion zone. The area remains mostly untouched since a 9.0 magnitude earthquake, the worst to ever hit Japan, followed by a tsunami, devastated the country on March 11, 2011. In this photo, Loong is seen at a supermarket full of old merchandise.

1 of 32

Web Cartoon

theguardian



Urban explorers in Fukushima's ghost towns - in pictures


TIME | LATEST | MAGAZINE | VIDEOS

WORLD JAPAN

These Photos From the Ghost Towns of Fukushima Are Chilling

Nash Jenkins @pnashjenkins | July 13, 2016 | Updated: July 22, 2016 3:06 PM ET

"I like to photograph places where people don't go"



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Donald Trump Wins the 2016 Election
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Malaysian man claims he snuck into Fukushima radiation zone for pictures

1.9k

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METRO 97M SHARES

NEWS... BUT NOT AS YOU KNOW IT

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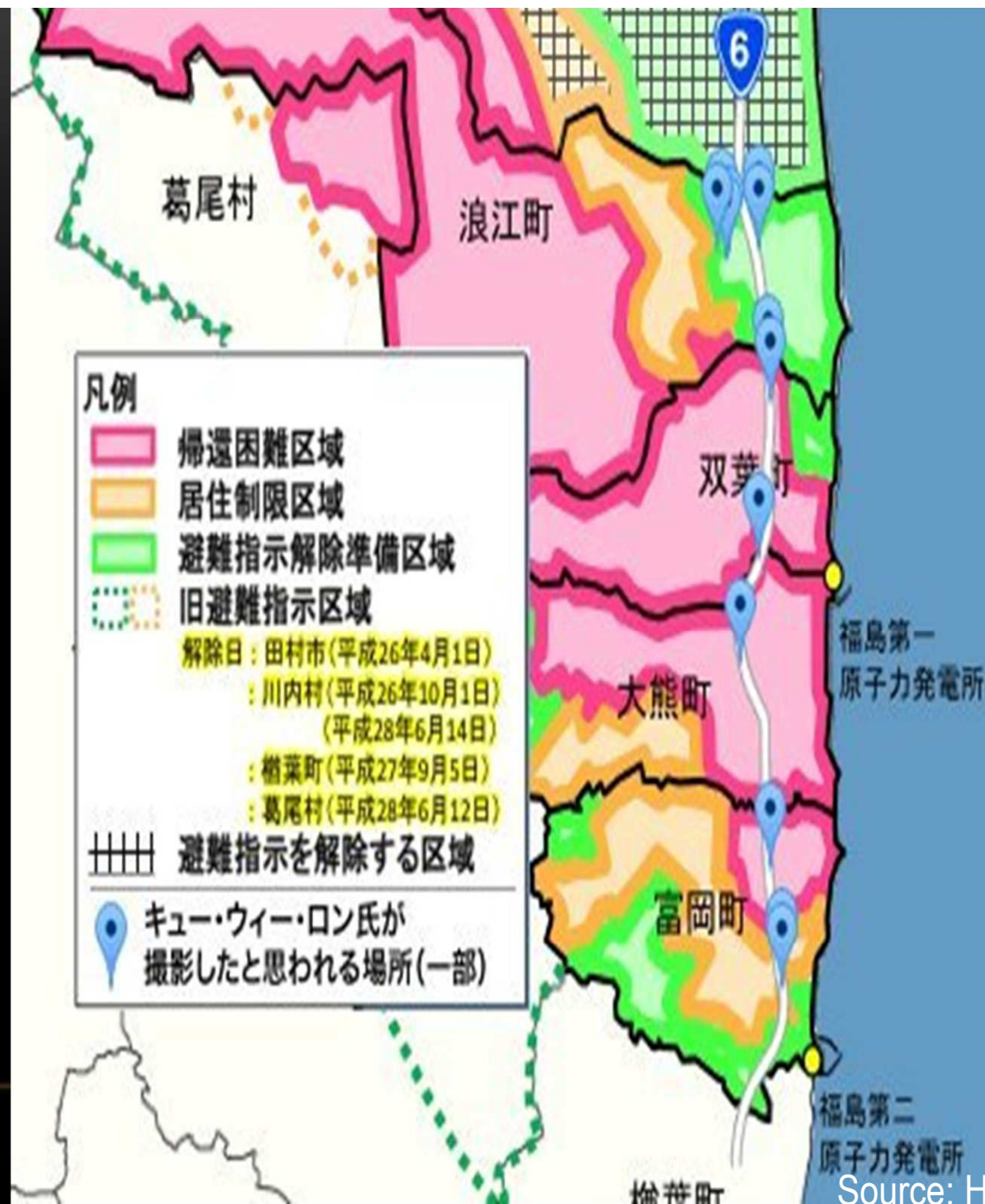
UK | WORLD | WEIRD | TECH

Fukushima ghost towns pictured five years after nuclear disaster

Toby Morgan for Metro.co.uk | Tuesday 12 Jul 2016 1:20 pm

1.1k





Source: Huffington Post Japan



Fukushima exclusion zone (No man's land) ☹☹☹☹
in Fukushima exclusion zone (No man's land) ☹☹☹☹

Options Share Send Like



Keow Wee Loong

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The book store

Like Comment Share

704

16 shares

37 Comments

View 31 more comments



Tan Thiam Joo Why hardly any dust after so many years?

Like · Reply · 1 · 8 hrs



Nam Nam Hoai Phan replied · 1 Reply



Sreymom Chea Sok Dany Vatana Kun

Like · Reply · 8 hrs



Anand Purno ..watching the pornos?

Like · Reply · 8 hrs



Keow Wee Loong replied · 1 Reply



Jovelle Talla Joselle Talla

Like · Reply · 7 hrs



Albeanus Yansik Hentai.

Like · Reply · 6 hrs



Katia Hashimoto Thompson Don't mind me! I have mask to not be contaminated but I will sit on the floor to read some porn

Like · Reply · 3 · 5 hrs



Adnil L Loag replied · 2 Replies · 2 hrs



Write a comment...



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森井志穂

19 mutual friends

Confirm Friend



Fukushima exclusion zone (No man's land) 🚫🚫🚫
in Fukushima exclusion zone (No man's land) 🚫🚫🚫


 **Keow Wee Loong**
Follow · July 10 · 🌐

abandon home in the yellow zone.

👍 Like 💬 Comment ➦ Share

👍 🗨️ 📢 276

View 17 more comments

 **Lara Pulumbarit Doraemon** 😊
Like · Reply · 👍 3 · 10 hrs

 **Aufiansyah Adinata Bakaboon**
Like · Reply · 8 hrs

 **Joemar Jumpay Bible Black**
Like · Reply · 6 hrs

 **Abraham Walter** Is it safe to use those clothes and to eat the food that was left there even if it hasn't expired yet
Like · Reply · 4 hrs

 **Kate OH Aaron Yarrall** you can stay here
Like · Reply · 3 hrs

👇  **Aaron Yarrall** replied · 1 Reply

 **Paolo John Ford Malvar Wowwow**
Like · Reply · 2 hrs

 Write a comment... 📷 😊

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日常 Ordinary

正常 Normal

非日常 UnOrdinary

異常 NOT Normal

言葉の壁

LANGUAGE BARRIERS

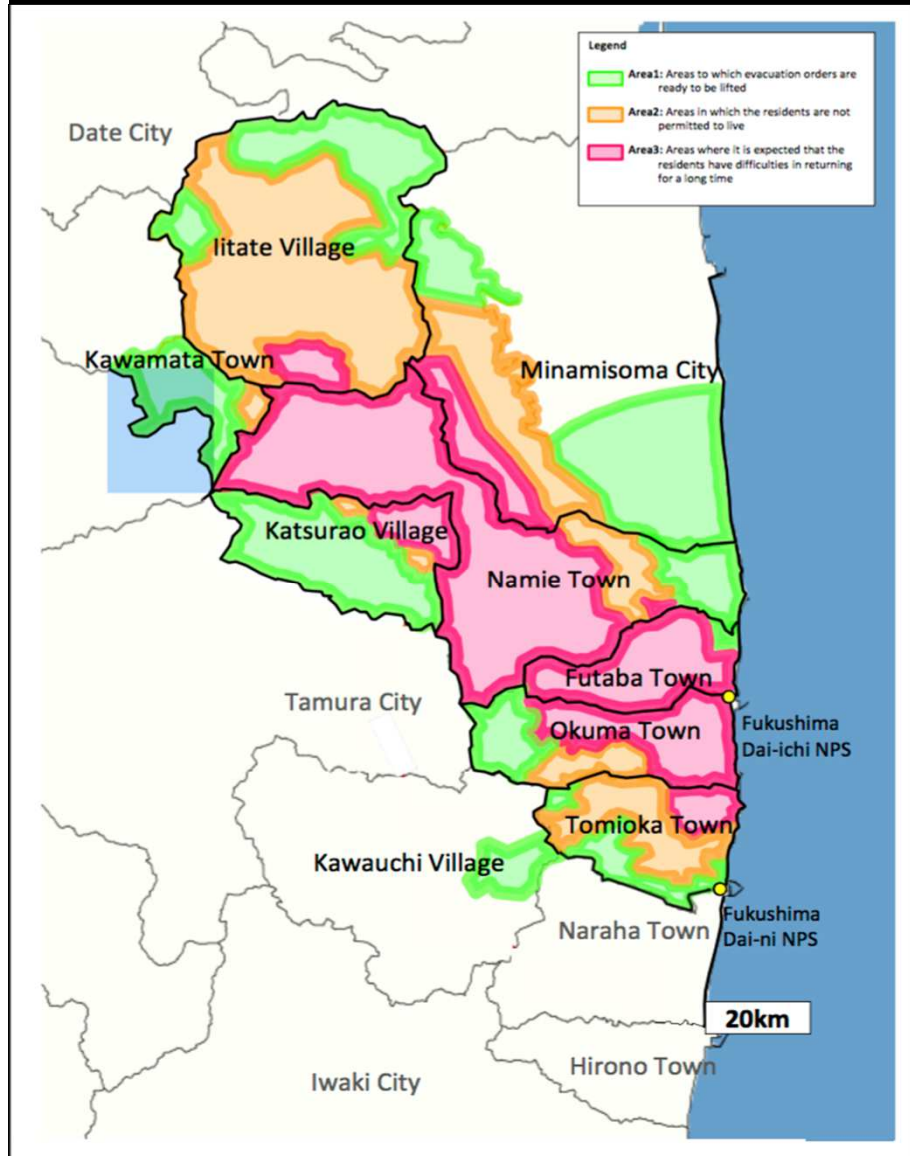


日本語での情報発信なら反論もすぐ上がるが、外国語の情報は放置されがち In contrast to speedy rebuttals of misinformed reports written in Japanese, similar reports written in other languages are usually left unanswered

県内在住外国人らが団結してネットで反論をしているが、ネット上では福島現状を疑問視する声が大多数のため、かき消されてしまう Efforts made to rebut false claims online are dwarfed in number by comments/posters believing the contrary.

言葉が生む偏見

MISUNDERSTANDINGS BRED BY TERMINOLOGY



“Exclusion Zone” 排除区域

The Telegraph

Search - enhanced by Google

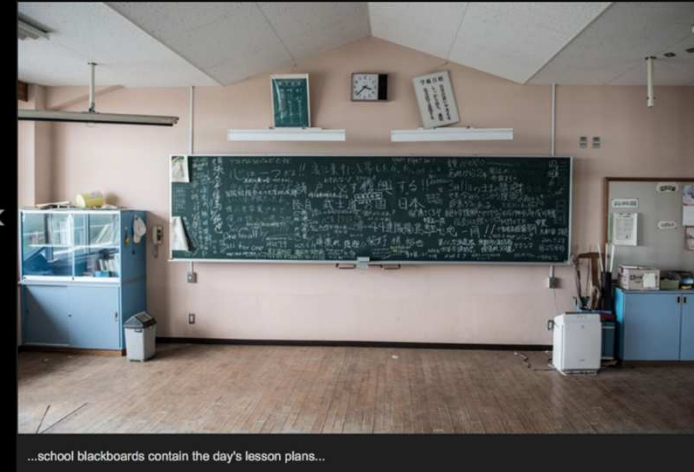
Wednesday 22 March 2017

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Abandoned: Inside Fukushima's nuclear disaster exclusion zone, in pictures

< 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 MORE... >



言葉が生む偏見

MISUNDERSTANDINGS BRED BY TERMINOLOGY



“Contaminated Water” 汚染水

汚染水 Contaminated Water

建屋に残されている汚染水

Water still inside the reactor bldgs

放射性核種除去処理済みの
汚染水

Water that has been treated by
radionuclide removal systems

サブドレインでの汲み上げら
れた地下水

Ground water pumped by Sub draining
systems etc.

汲み上げ



サブドレン/
地下水ドレン

地下水を汲み
上げ、中継タ
ンクへ移送

貯留



中継タンク/集水タンク

中継タンクを経て、集水
タンクにて浄化前に水質
分析

浄化プロセスと分析基準

浄化



専用浄化設備

専用浄化設備に
よる浄化し、一
時貯水タンクへ
移送 (※1)

分析



一時貯水タンク

水質分析 (※2)

排水

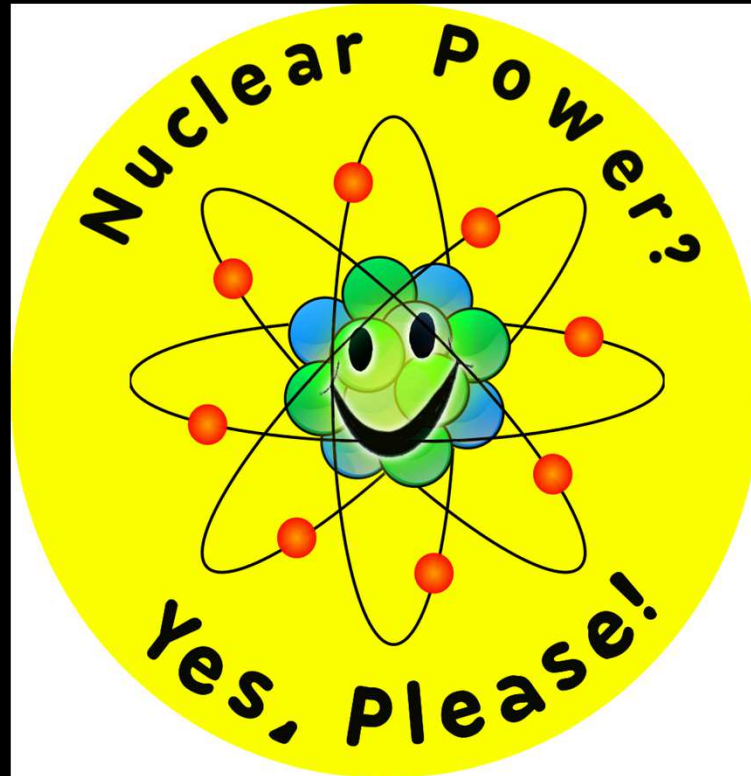


一時貯水タンク

港湾内に排水
(※3)

言葉が生む偏見

MISUNDERSTANDINGS BRED BY TERMINOLOGY



“Pro-Nuclear”
原子力肯定派



“Anti-Nuclear”
原子力反対派




Pro-Fukushima



これからの情報発信のポイント
Key Concepts Going Forward

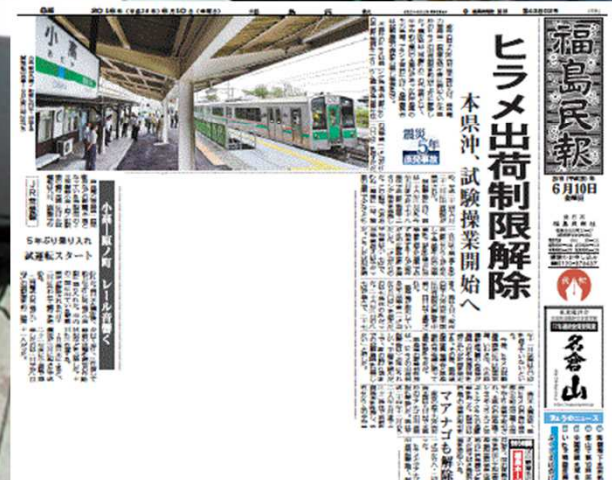
福島の「人間化」

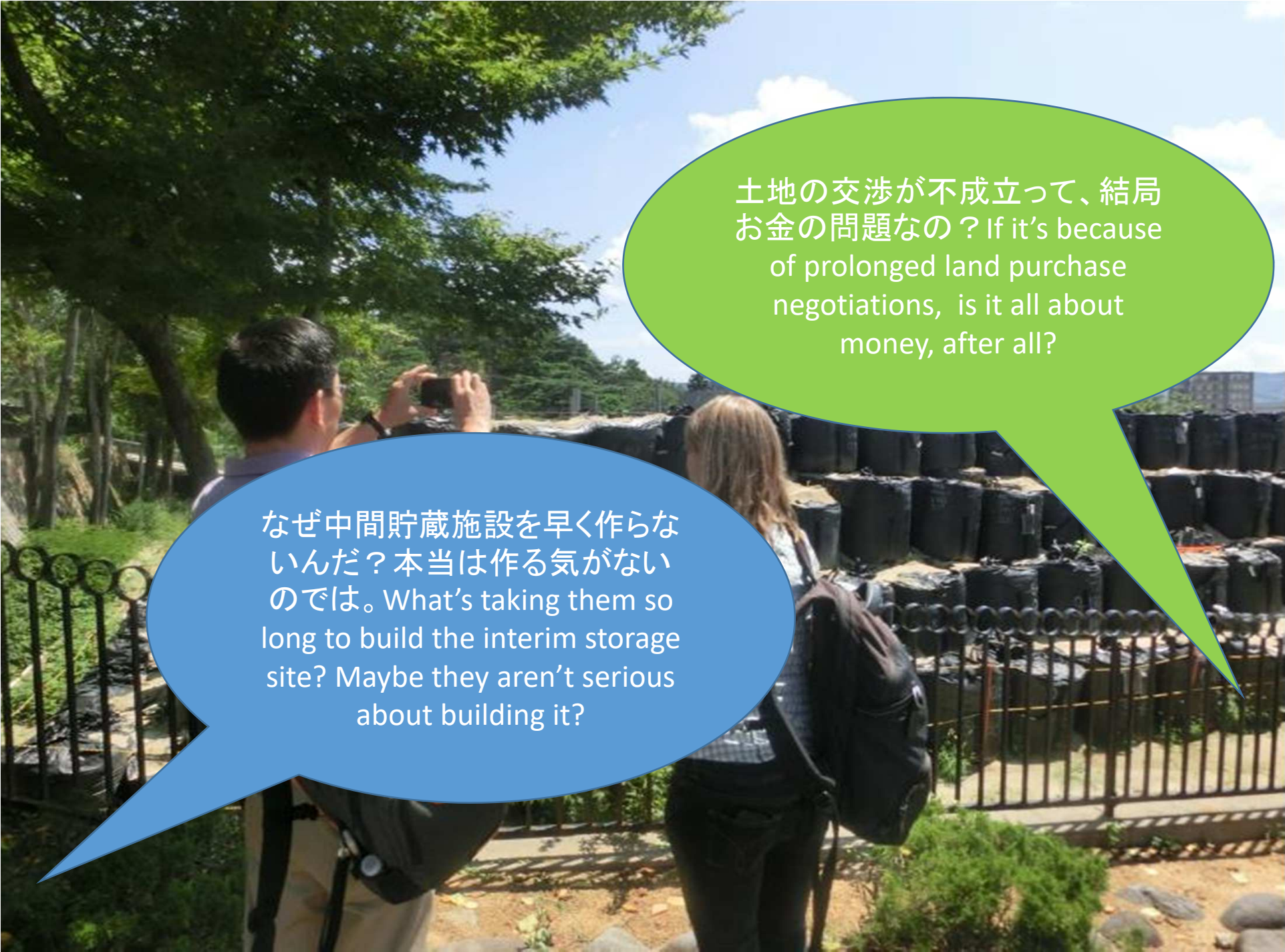
Putting a Face to Fukushima



何か本当は別の、隠された事情があるのではないか？ Is there some hidden reason for them to not do so?

どうして、数字的には低いトリチウムだけなのに海に流せないのか？ If the radioactive levels aren't so high, why can't they just dump the Tritiated water into the Ocean?





土地の交渉が不成立って、結局
お金の問題なの？ If it's because
of prolonged land purchase
negotiations, is it all about
money, after all?

なぜ中間貯蔵施設を早く作らな
いんだ？ 本当は作る気がない
のでは。What's taking them so
long to build the interim storage
site? Maybe they aren't serious
about building it?



平成25
2013

This is Fukushima
これが福島です



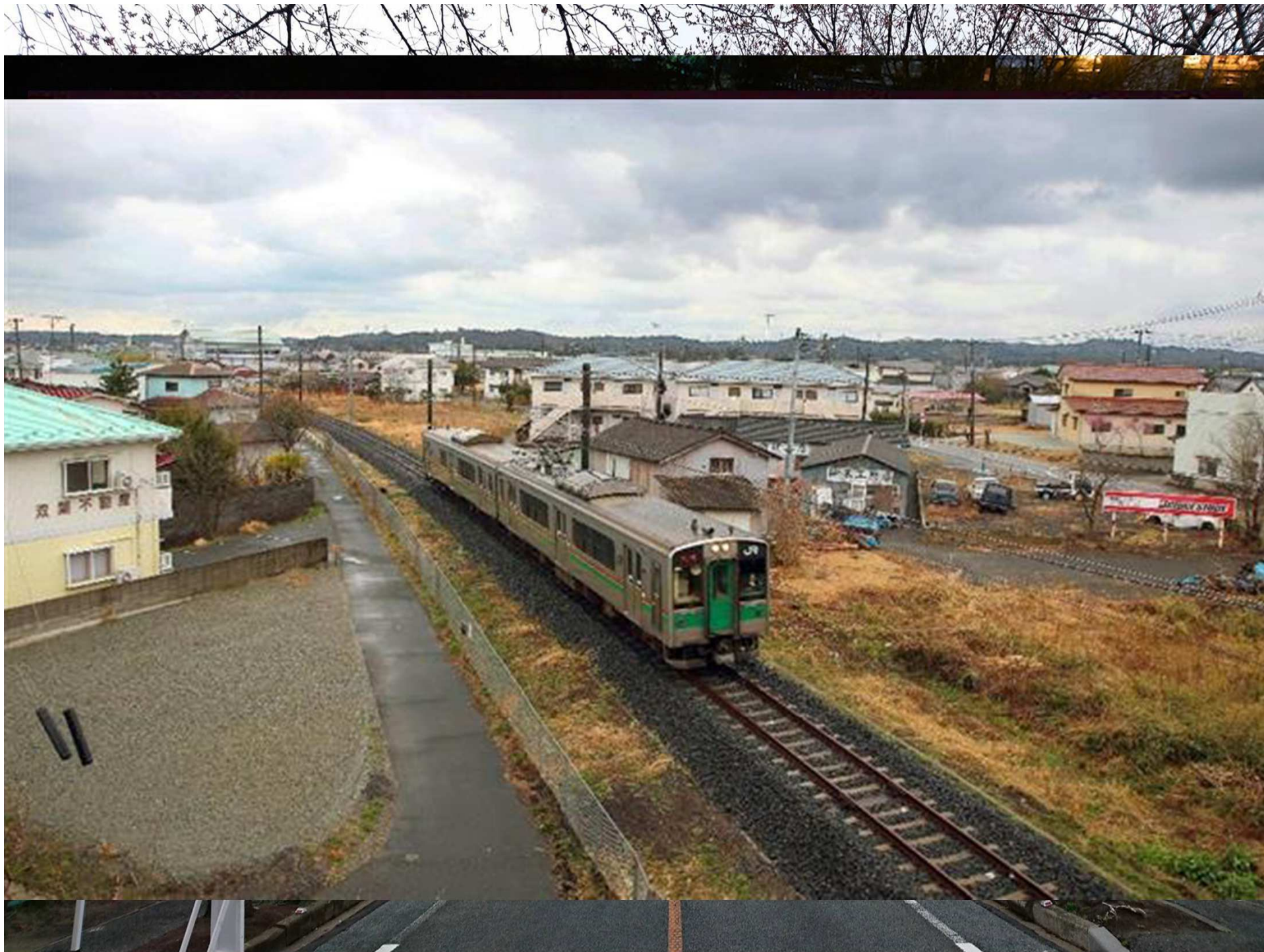
これからの情報発信のポイント
Key Concepts Going Forward

福島の「人間化」

Putting a Face to Fukushima

確信を持って、核心を突く

Addressing the Heart of the Matter with Confidence



これからの情報発信のポイント

Key Concepts Going Forward

福島の「人間化」

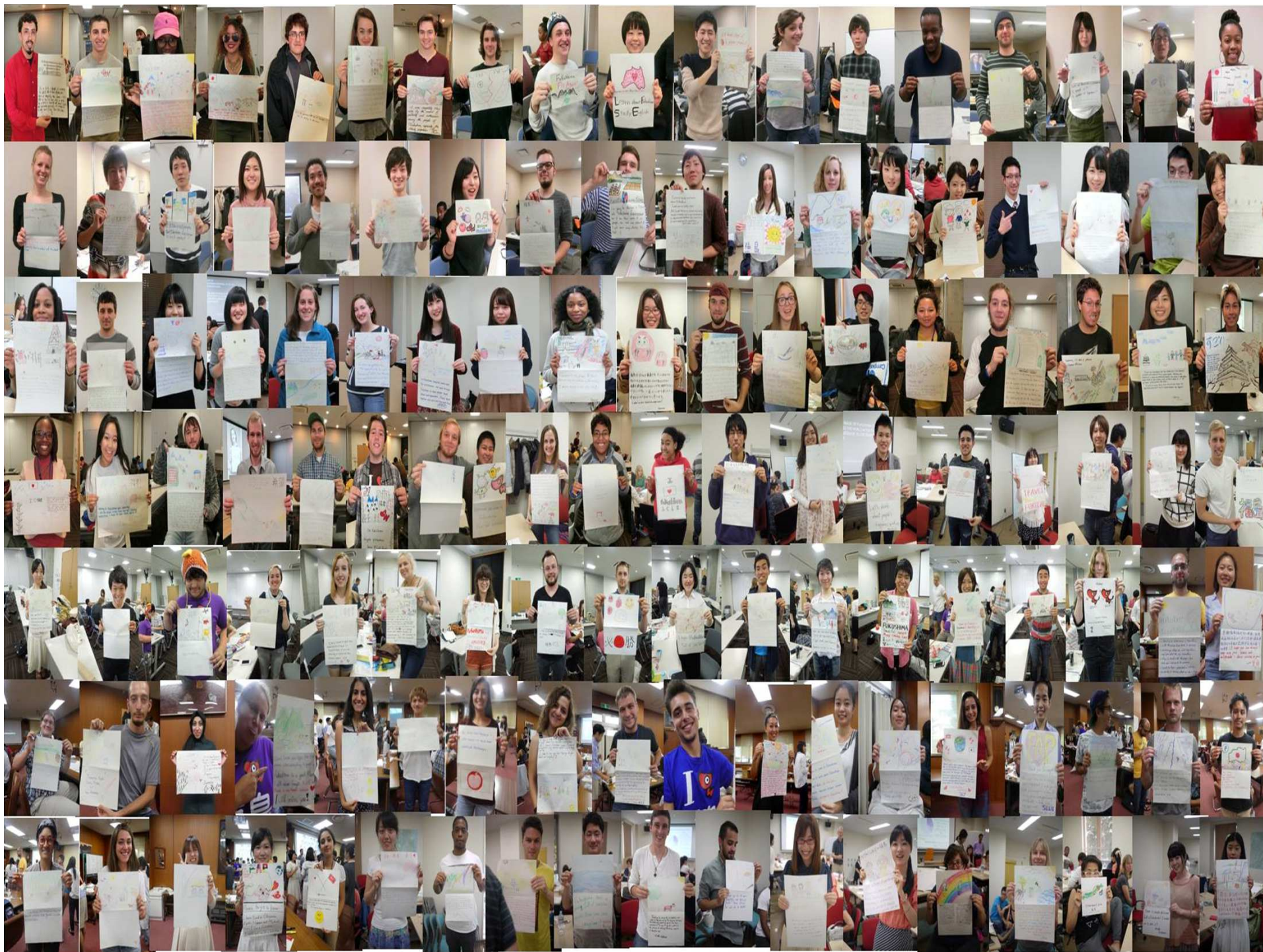
Putting a Face to Fukushima

確信を持って、核心を突く

Addressing the Heart of the Matter with Confidence

視察受け入れの体制強化

Organization of Inbound Study Tours





国際的な理解の復興

Revitalization of International Understanding



世界におけるフクシマ

~FUKUSHIMA in the World~



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