



អង្គការទិន្នន័យអំពីការអភិវឌ្ឍ
Open Development Cambodia

Reflections on
**Data Literacy
Programming in
Cambodia**



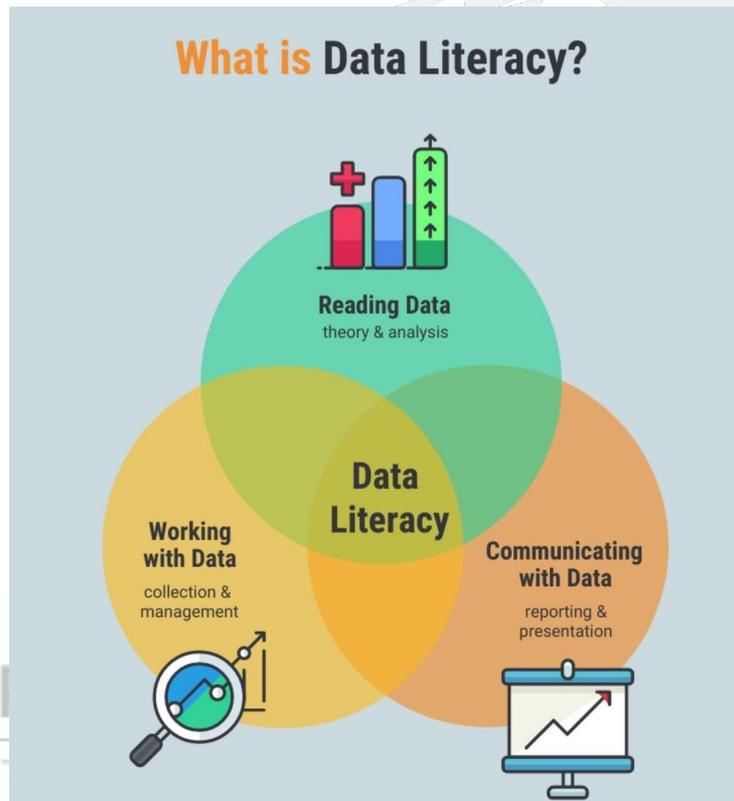
Data Literacy Program in Cambodia organized by ODC

Data literacy is the ability to read, understand, work with, analyze, and argue with data. It is also the ability to derive meaningful information from data.

ODC believes that by presenting information and stories with visualizations and simplified language, journalists, researchers and policy makers can more effectively communicate with the public.



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CAMBODIA
A PROJECT BY EAST-WEST PARTNERSHIPS



Data Literacy Program in Cambodia organized by ODC:

Objectives

- Provide journalists, researchers, and communicators the skills in data analysis and data-driven storytelling in order to reach a wider audience by enhancing the use of data-driven stories and visualizations
- To promote informed decision-making with regard to environmental and natural resources management in Cambodia

Learn more:

<https://opendevelopmentcambodia.net/about/data-literacy/>



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MANAGE

Reflections on Data Literacy Programming

Challenges:

- COVID-19 affects both organizational operations and program, training module and training strategy
- Localization of training materials to Khmer language
- Limited time frame
- A few people in charge of leading the training sessions
- Different profession and digital knowledge gap of trainees
- Capturing output and outcomes of each training

Opportunities:

- Internal team capacity building
- Empower CSOs, journalists, and students with the skills of using data to tell story
- Make used existing open data to another level of value-added of data storytelling
- Create a paradigm shift on how open data can be used more effectively
- Gain organization reputation added up on open data

Data Literacy Program in 2018

First series data-driven Journalism with media students & independent journalists (CCIM).



Learn more: <https://bit.ly/3iCvI6m>



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Data Literacy Program in 2019:

Series **Data Literacy Training** program supported by **EWMI-USAID**, under the **Cambodian Civil Society Strengthening (CCSS)** project

Watch all the highlight video:

<https://youtube.com/playlist?list=PLvEBaAA6n-Rqa2vfGBaidkjfmIOM2qvyK>



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Data Literacy Program in 2020:

Data Literacy Training for Social Accountability,
supported by USAID and
FHI360 (August 2020)

Learn more:

<https://opendevelopmentcambodia.net/data-literacy-training-2020/>



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Data Literacy Program in 2021:

Basic Data Journalism for Citizen Journalist (CJs) in Feb 2021

(before the lockdown)

Reward more:

<https://opendevelopmentcambodia.net/data-literacy-training-for-public-health/>



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Data Literacy Program in 2021:

Data-driven contest during the online Open Data Day 2021 in March 2021 (before the lockdown)



**DATA-DRIVEN
STORYTELLING
CONTEST**

Submission deadline: **MARCH 15, 2021**

During this **COVID-19** pandemic, we invite participants to use one's data literacy and creativity to build a data-driven story featuring data on **COVID-19** impacts from the **ODI** platforms and other relevant sources.

Winners announcement: **MARCH 30, 2021**

Please submit your work to :
events@opendevcam.net

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 **SPIDER**



Data Literacy Program in 2021:

Virtual Data Literacy for Public Health & Basic Data Journalism during the lockdown between April and May 2021



The screenshot shows a Google Docs presentation interface. At the top, there are names of participants: YPuthealy, chanphalla (ODC), Meth monthary, sopenheng yeng, and Kalyan, ODC. The main content is a slide with a blue background and white text that reads: "Module 3: Telling Stories with Data" and "Lesson 3: Humanizing Data & Simplifying Numbers". The interface includes a top menu bar with options like File, Edit, View, Insert, Format, Slide, Arrange, Tools, Add-ons, and Help. A bottom toolbar shows icons for video, participants (10), share screen, chat, and more options.

The screenshot shows a Zoom meeting grid with 15 participants. The participants are arranged in a 3x5 grid. The names of the participants are: THY Try, Kalyan, ODC, Vong Pisith, Mardy, ODC, and អ៊ុយ ព័ន្យ (ឃា...), គី ចាន់ដា (ក្រុម), Kun Bush, Phe Kimliv, Sereifong Ho..., Keo Saorak, Kuch Sikol, Tata Thiv, Puthealy, ODC, kosal, Chea Chanrat, Sang pensoern, Vatey,T-zy, Acer, D, and Chihor-ODC. At the bottom right, the name "Srey phim" is visible. The grid shows various video feeds, some with red 'X' icons indicating muted audio or video off.



REFLECTIONS ON Data Literacy Programing in Laos



Data Literacy Training ~ Voices For Mekong Forests

- **Place:** Vientiane capital, Laos.
- **Dates:** Divided into 3 phases (January - March 2021), one week for each phase.
- **11 participants:** 6 males, 5 females
- **Language:** Lao, Thai, and English (with translation).
- **Methods:** Face-to-face training, virtual interaction with instructors from EWMI team experts, peer to peer learning, data collection, and project presentations.





- Different sectors of Non-State Actors : environment, agriculture, social work, health care, and education.
- Find out **the story** about the training on ODL website >>> [Lao civil society improves advocacy with data visualization](#)



Data-Driven Storytelling Contest

- Posted on ODL web portal;
- Social-Media (ODL Facebook page);
- Deadline extended



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ງານແຂ່ງຂັນປະກວດ
ການສ້າງເລື່ອງເລົ່າດ້ວຍຂໍ້ມູນ



DATA-DRIVEN
STORYTELLING
CONTEST



ຫົວຂໍ້: ຜົນກະທົບຂອງໂຄວິດ-19



...

DEADLINE: MARCH 15TH, 2021



Mentorship provision at the Department of Computer Engineering and IT, Faculty of Engineering, NUOL.

- Physical & virtual mentoring: 31 March, 7 April, 21 April (3 hours).
- 28 students (year 1-3); 10 Females.
- Great progress outcome although with no data knowledge background.
- Data visualization, storytelling skills etc.



CHALLENGES

- Resource challenges;
- Different levels of data literacy among participants affected course delivery;
- Online training deduct the numbers of participants/mentees with lower efficiency.
- Unstable Internet connectivity interrupted the teaching-learning process.

OPPORTUNITIES

- Improve understanding and competency on data literacy including open data in civil society sectors and school university.
- Data literacy is not included in the school curriculum, and not yet largely known in the University even in the IT sector.
- Raise awareness among Lao youth on the impact of the pandemic as well as digital protection



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A wide-angle landscape photograph showing a lush green valley. In the foreground, there are dark, jagged volcanic rocks. The middle ground features a small village with several buildings and a dirt road, surrounded by vibrant green rice fields. The background consists of dark, forested mountains under a bright blue sky filled with large, white, fluffy clouds. The overall scene is a picturesque rural landscape.

Thank you for your attention!

Reflections on
**Data Literacy
Programming
In Myanmar**



Reflections on Data Literacy Programming

- Myanmar was the **first country** to have **data literacy** training delivered and helped **frame the training models** for this program across the region.
- Due to the **pandemic** and **political crisis**, data literacy training was **suspended** in the interim.



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Key challenges for Data Literacy in Myanmar

- Lower connectivity
- Access to technology and affordability of connecting
- Overall tech literacy is low this affects internet behaviour
- Finding participants with enough baseline skills in technology to participate
- Targeted mentorship program initiated. Small groups and focused targets.
- Covid-19 Second Wave in August had consequences in a shift from in person to online training.
- Unexpected political crisis on Feb 1; internet interruptions and other threats to online space.

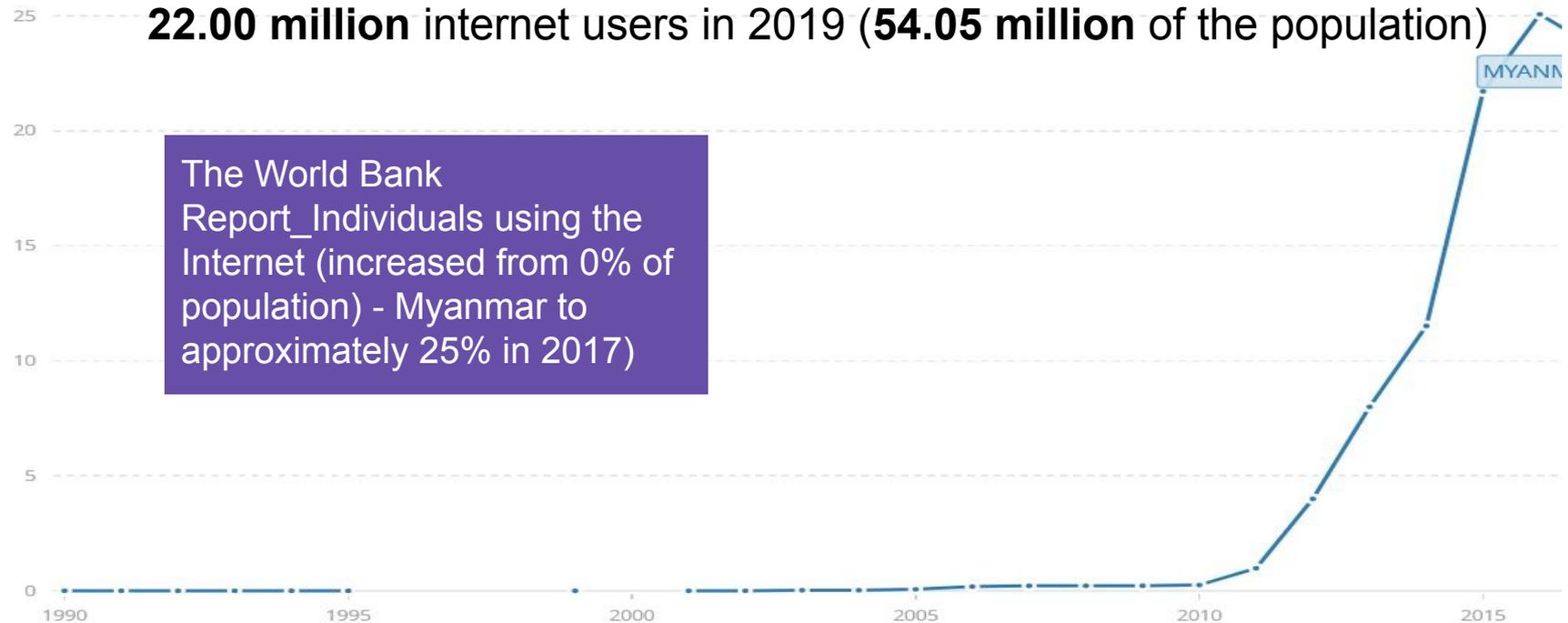


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What are the challenges of ODMm team?

The gaps of digital knowledge and skills in Myanmar community



What are the challengings of ODMm team?

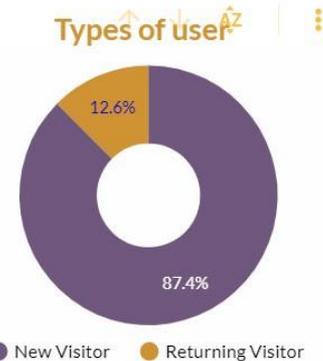
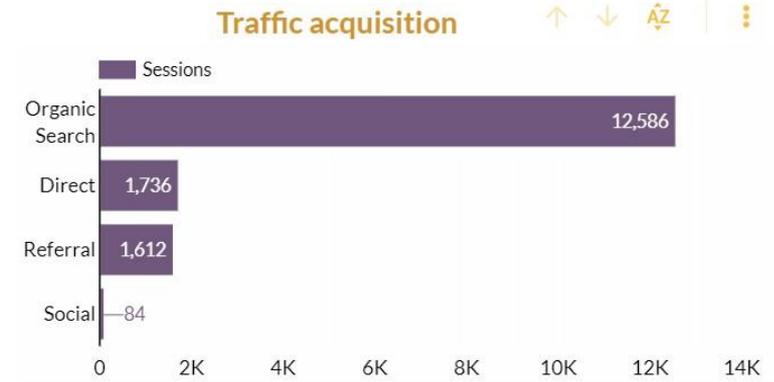
Facebook is considered the internet in Myanmar (**53.1% of internet users are on Social Media**)

'Internet browsing' is still the main source of directed traffic to the the ODM site.



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ODMm Google Analytics Jan to June 2021



What are the opportunities?



Increasing **user literacy** when it comes to internet usage and critical thinking online.



Generating stronger partnerships with various stakeholders.



Continue to **host data literacy training** and **increase data mentors** to further training in the future.



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Thank you

Presenter: Saw Ar Htite



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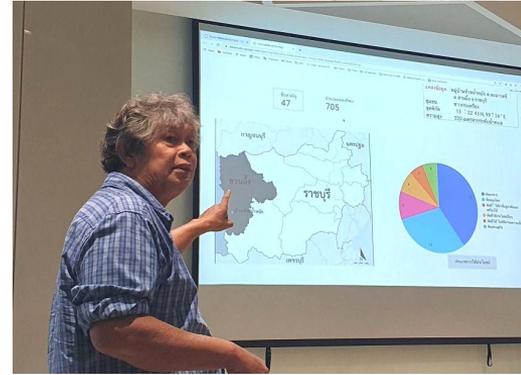
Reflections on
**Data Literacy
Programming
in Thailand**



2020 Data Literacy Training for Forestry Network

Results:

- ❖ Impressive individual projects showing a practice of collecting data, organizing data and data visualization
- ❖ Improved understanding of data process from low levels of data literacy skills background
- ❖ Interests expressed in data collection tool named 'Mapeo' for field works



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2020 Data Literacy Training for Forestry Network

Results:

- ❖ A published feature on [Thai foresters complete data literacy training to advocate for improved forest governance](#), with 178 shares



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Thai foresters complete data literacy training to advocate for improved forest governance



24 July 2020 [Civil society / Education and training / Forest protection](#) [Data Literacy Training / Forest governance / Thailand](#)

Liwan Srisutayakhun from Chumphon Province's Pa Rak Nam Network (Forest Loves Water Network) had never created data visualisations before. This is why she joined 11 other participants from Thailand's civil society to complete East-West Management Institute's (EWMI) data literacy training program from February to June 2020. By the end of the program, Liwan had developed her first data-driven presentation depicting land ownership rights in Bang Mak Sub-district.

EWMI's data literacy training is adapted from the [World Bank's Data Literacy Certificate Program](#) and can be tailored to the needs of different audiences. Regardless of the sector, all participants are trained in reading, understanding, and communicating with data and insights derived from it. This training in Thailand was tailored for participants from the forestry sector. They included representatives from Baan Non Toom Thaworn Community Forest, Self-organized Land Reform Network, Citizen Forest Network, Chiang Mai Community Organisation Council, [Raks Thai Foundation](#), [RECOFTC Thailand](#), and Western Community Radio Network.



2021 Data Literacy Training for Indigenous Peoples Network

- ❖ **3 Phases** : February-April 2021 (5 days/phase)
- ❖ **On-site training** at IPF Foundation
Chiang Mai, Thailand
- ❖ **Participants** : 15 (8 males, 7 females /
10 Thai, 5 Non-Thai)
- ❖ **Language** : Thai, English (with translation)



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2021 Data Literacy Training for Indigenous Peoples Network

Results:

- ❖ Impressive individual projects showing a practice of getting the data, the insights from the datasets, and communicating a data-driven story
- ❖ Improved capacity to use data and technology for indigenous peoples groups
- ❖ Peer learnings and fast learners
- ❖ Integrated indigenous data sovereignty (IDS) concept to the training



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Challenges vs. Opportunities

Challenges

- COVID-19 and commitment for 3-week course
- Localization of curriculum with Thai context and samples
- Build up capacity with people on the ground in various sectors to understand the whole process of data literacy
- Data literacy consists of various skills that cannot be found in a person. And participants' exposure to data is often varied.

Opportunities

- On-site training is more effective than virtual training. It's doable within country.
- People on the ground start realizing the importance of data.
- Technology + Demand + Open Data
- Data Literacy Training can be tailored to specific sectors and groups.
- Empower people with data
- Trend of big data and data governance.





OpenDevelopment Thailand

Thank
You





Reflections on Data Literacy Programing in Vietnam

1. Voices for Mekong Forests partners - Data literacy trainings





- 20 participants from multiple NGOs and organizations.
- 2 phases: July/2020 (5 days) and September/2020 (6 days)
- Results: Personal projects at the end of training sessions



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2. Mekong women and climate change research Data literacy trainings for Can Tho university





- 25 students and 5 young researchers of Can Tho University
- 2 phases: September/2020 (2 days) and November/2020 (2 days)
- Results: CTU runned their own household survey; clean, analyze and visualize data for final research report

3. Open data day - Online mini Data literacy training

- March 6, 2021 (3 hours)
- To support for the submission of ODV's Data challenge



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Opportunities

- Well-received by participants (very useful to daily works, provide open source/online and up-to-date tools --> attractive to users)
- Training program could be custom-made according to participants needs and time availability (full week, 2-3 days, few hours online)
- We could create videos for learners' self-paced learning and share widely.

Challenges

- Time consuming as practicing is very important to master the skills.
- Physical training is more effective than online training (need to re-design with more learner-centered approaches to online training or video creation)



Thank you!



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