



Course material

Course:

Understanding the digital supply chain and its stakes for humanitarian actors

Video:

3.0 Introduction to Global Digital Ecosystem - Maria Elisa et Dimitri

Concepts (extracted from automatically generated subtitles):

Concept of the digital supply chain. Humanitarian settings. New risks. Focus of the first chapter of this module. Iona crumley. Topic of the second chapter. Mauro vignati. Digital ecosystem. Private companies. Previous modules. Humanitarian organisations. Humanitarian sector. Information systems. Last chapter. Natural resources.



[to video sequence search](#)

(within Understanding the digital supply chain and its stakes for humanitarian actors.)



[to video](#)

Center for Digital Education. More educational support material here:

<https://www.epfl.ch/education/educational-initiatives/cede/educational-technologies-gallery/boocs-en/>

INTRODUCTION TO THE GLOBAL DIGITAL ECOSYSTEM PART II



.....



.....



.....



...

notes

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

summary

0m 0s



.....

.....

.....

.....



In the previous modules,

notes

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

summary

0m 7s



.....

.....

.....

.....

.....



The Digital Supply Chain:

Challenges and Opportunities in Humanitarian Settings

we've explored the concept of the digital supply chain, its potential vulnerabilities, as well as related opportunities and challenges in humanitarian settings.

notes

summary

0m 13s





The Digital Supply Chain:

Challenges and Opportunities in Humanitarian Settings

Now, let's shift our focus to understanding the stakes for the humanitarian sector, in relying on the digital ecosystem; including its geopolitical aspects. As you are now aware, the digital ecosystem comprises all the information systems. The data flowing within those systems, and the groups of stakeholders and users that produce and use this data to achieve a common goal.

notes

summary

0m 25s





The Main Stakeholders for the Humanitarian Sector:

- Suppliers
- Donors
- Affected Populations
- Partners
- Employees

In humanitarian action, these groups include suppliers, donors,

notes

summary

0m 48s





The Main Stakeholders for the Humanitarian Sector:

- Suppliers
- Donors
- Affected Populations
- Partners
- Employees

affected populations, partners, and employees. And we are all increasingly dependent on technology

notes

summary

0m 49s





The Main Stakeholders for the Humanitarian Sector:

- Suppliers
- Donors
- Affected Populations
- Partners
- Employees

for delivering and receiving aid, but also to donate to humanitarian organisations or to deliver services as providers.

notes

summary

1m 1s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



This reliance on technology has become a double-edged sword.

notes

summary

1m 9s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



It introduces new risks for people affected by humanitarian crisis. This will be the focus of the first chapter of this module. Joel Rizk, from the ICRC, will explore with you

notes

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

summary

1m 13s



.....

.....

.....

.....

.....



PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



the digital risks to civilians in conflict, such as surveillance, hate speech, connectivity denial, and infrastructure disruption. She will emphasise the need for protection workers to identify and understand these risks, integrating them into their protection strategies.

notes

summary

1m 25s





PART I The Global Digital Ecosystem

Module 1

- 1.1. The hardware supply chain
- 1.2. The software supply chain
- 1.3. Threats and vulnerabilities

Module 2

- 2.1. Connectivity
- 2.2. Risks and constraints in connectivity

Module 3

- 3.1. Stakes for people in humanitarian crisis**
- 3.2. Stakes for Humanitarian Organizations
- 3.3. Geopolitics and the digital ecosystem



Iona Crumley and Melissa McRae, from MSF,

notes

summary

1m 45s



Introduction



will then study with you some cases of technology disruption in the medical sector and their potential consequences. While technology offers significant potential for humanitarian organisations

notes

summary

1m 49s



Introduction



to increase their efficiency or to propose new services, its responsible use requires vigilance. Humanitarian organisations face the challenge

notes

summary

2m 1s





of navigating a delicate balance, being both effective and principled. Embracing innovation while safeguarding their core ethical values. The global digital ecosystem is also influenced by geopolitical tensions and interests,

notes

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

summary

.....

.....

.....

.....

.....

2m 13s





which can impact the security and accessibility of digital tools.

notes

summary

2m 25s



Introduction



Therefore, we must also consider the broader geopolitical context

notes

summary

2m 30s



Introduction



Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem

to ensure our digital strategies are resilient and inclusive. This will be the topic of the second chapter where we will explore together with [inaudible 00:02:44], and Benjamin Durieux, from the ICRC,

notes

summary

2m 37s





the organisational risks related to the digital ecosystem. As well as the possible strategies to overcome these risks. Indeed, managing these risks

notes

summary

2m 49s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



does not mean refusing technology altogether, but rather finding effective checks and balances to mitigate them. Finally, in the last chapter,

notes

summary

3m 1s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



we will explore with Mauro Vignati, from the ICRC,

notes

summary

3m 11s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



the geopolitical stakes of the digital ecosystem. Mauro will help us understand how nations compete to access natural resources, expertise, and other assets

notes

summary

3m 13s





PART I The Global Digital Ecosystem

Module 1

1.1. The hardware supply chain

1.2. The software supply chain

1.3. Threats and vulnerabilities

Module 2

2.1. Connectivity

2.2. Risks and constraints in connectivity

Module 3

3.1. Stakes for people in humanitarian crisis

3.2. Stakes for Humanitarian Organizations

3.3. Geopolitics and the digital ecosystem



related to digital transformation. We will also see how some private companies became global stakeholders in this ecosystem.

notes

summary

3m 25s





By the end of this module, you will have acquired a broad understanding of the different risks related to the digital supply chain and the humanitarian sector. And you should be able to integrate those considerations into your own analysis. Enjoy!

notes

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

summary

3m 33s



.....

.....

.....

.....

.....