

5 June, 2024

MSEAS Yokohama

**Stakeholders' participation
in reference to decreasing
short-neck clam fisheries
in Lake Hamana, Japan
using VPA(Visual Problem
Appraisal)**

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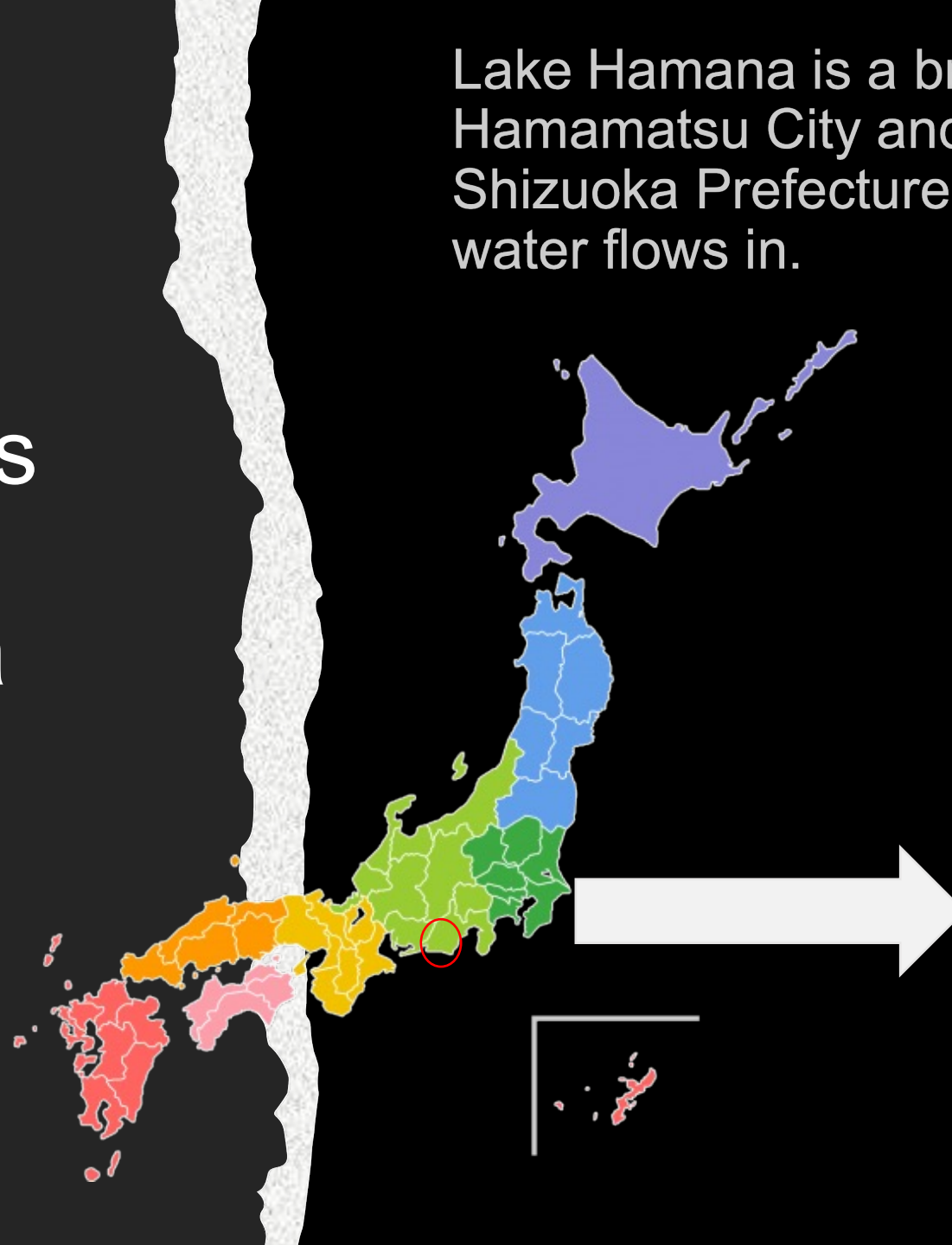


A close-up photograph of a camera lens, showing the front element and the surrounding barrel. The lens is dark, and the background is a vibrant, out-of-focus bokeh of purple, pink, and blue light spots. The lens itself shows a reflection of a green and blue scene, possibly a building or a landscape.

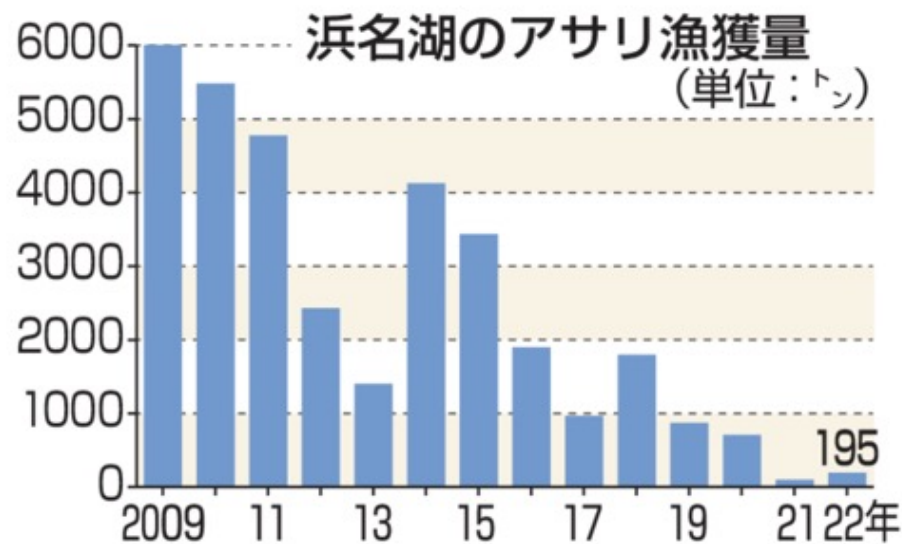
“Wicked
problems”

Wicked problems in Lake Hamana 1

Lake Hamana is a brackish lake located in Hamamatsu City and Kosai City in western Shizuoka Prefecture, where Pacific Ocean water flows in.



Wicked problems in Lake Hamana2



Source:
Shizuoka Newspaper
<https://onl.bz/LPP8MWJ>

Wicked problems and framing

- "Wicked problems," problem framing often becomes oversimplified and polarized, depending on individual values and positions(Rittel and Webber,1973).
- Problems are interpreted within individual frames, so even when looking at the "same problem," it is likely that "completely different problem definitions" are being made based on diverse interests and worldviews(藤垣,2004).





Visual Problem Appraisals

Visual Problem Appraisal (VPA), developed by Loes Witteveen is a simulation & gaming method using interview-style documentary videos.

- Stakeholder concerns and issues are presented in the words of the parties themselves (with minimal editing).
- Filmed and divided by stakeholder.
- By "meeting" many stakeholders individually through the filmed interviews, participants can learn about the different perspectives and understandings of the problem for each interviewee.
- Workshop participants analyze and structure the information obtained from the "interviews" and compile recommendations for action (Witteveen, Enserink and Lie, 2009).

VPA Hamana Lake: Production Process



Desk study

- Conducted research based on literature on Lake Hamana, short-neck clams, catch volume, tourism, history, etc.

Preparation

- Paid attention to the process to avoid intentionally selecting interviewees, visited parties in advance.

Filming

- Dilemma between commercial filming and academic filming. March, 2020

Editing

- Transcription and minimal editing work. The videos are only shown in closed locations. A tool for deciding which interviewees to use in the workshop.

How to proceed with the VPA Hamana Lake Workshop

- The VPA workshop consists of the following three stages:
 - 1. Scoping**
 - Desk study (papers, books, government data, etc.)
 - 2. Consultation (interview survey) stage with parties and stakeholders**
 - "Field work"
 - 3. Action**
 - Data analysis
 - Report writing and proposals

Workshop conducted

Date	Discipline	Number of participation
31 June 2023	Department of Lifestyle Design, Faculty of Design	16 (4 × 4 groups)
3 October 2023	Department of Policy Studies, Faculty of Policy Studies	12 (4 × 3 groups)
31 January 2024	Department of Earth and Planetary Science, Faculty of Science	10 (3 × 2 groups, 4 × 1 groups,)
31 January 2024	Department of Earth and Planetary Science, Faculty of Science	【Researcher group】 3 of Global Environmental System Science

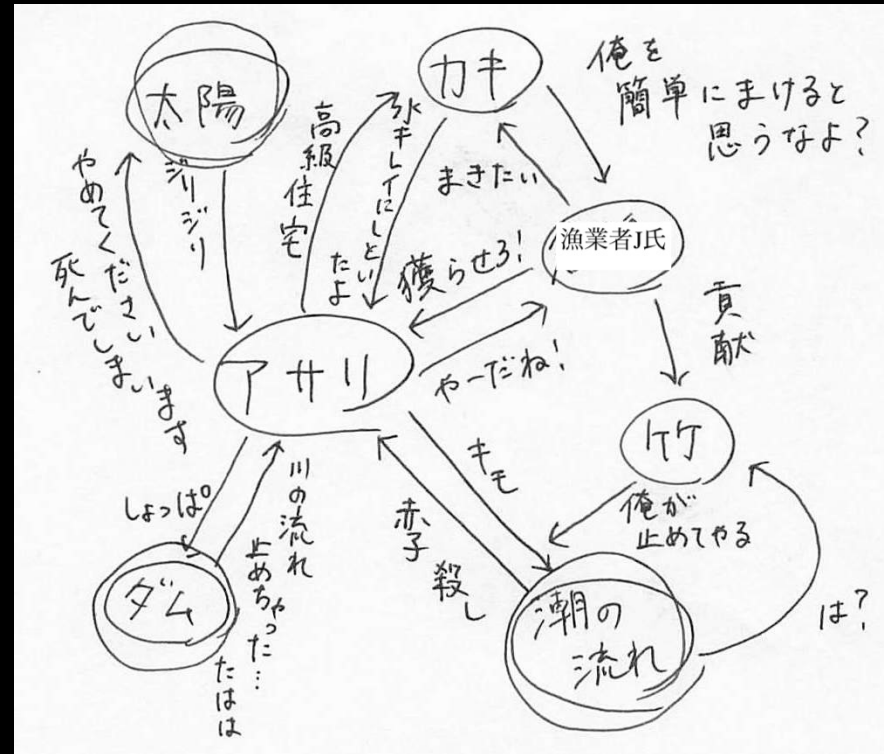
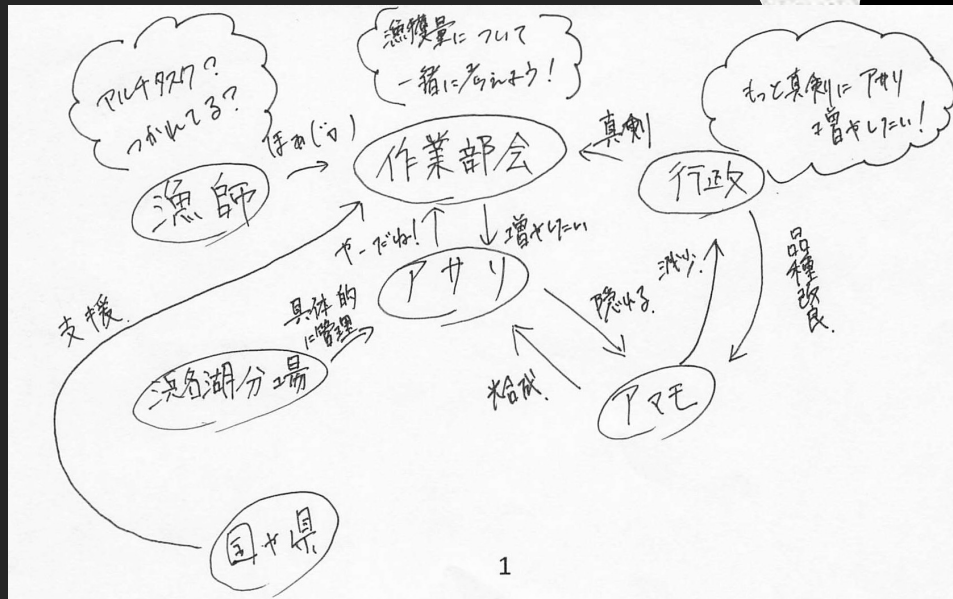
Findings

Discipline	Group	Initial Problem Setting	Final Problem Setting
Art and Design	1	Sole cause (Nature)	Reduction of clams' natural enemy
	2	Nature VS human	Lack of recognition that the damage caused by humans
	3	Nature VS human	Lack of ways for nature and humans to coexist
	4	Technological cause	Lack of consensus and action despite need for long-term, collaborative work
Policy Studies	1	Environmental factor	Salinity problem + Excessive catches by fishermen
	2	Absence of long-term plan	Absence of long-term planning by government + short-term perspective of fishermen
	3	Environmental factor	Global warming causes stunted growth + Fishermen's livelihood and labor issues
Earth and Planetary Science	1	Environmental factor	Causes for decline + Problems created for fisheries and tourism
	2	Environmental factor	Explore causes and impact on those who make a living in Lake Hamana
	3	Human factor	Child is not out of the house, not known
Researcher	-	Various factors	Insufficient understanding of adaptation measures

A case of design students



←Group2 which does not change the problem setting



←Group4 which changed the problem setting



Factors determining framing adjustments:

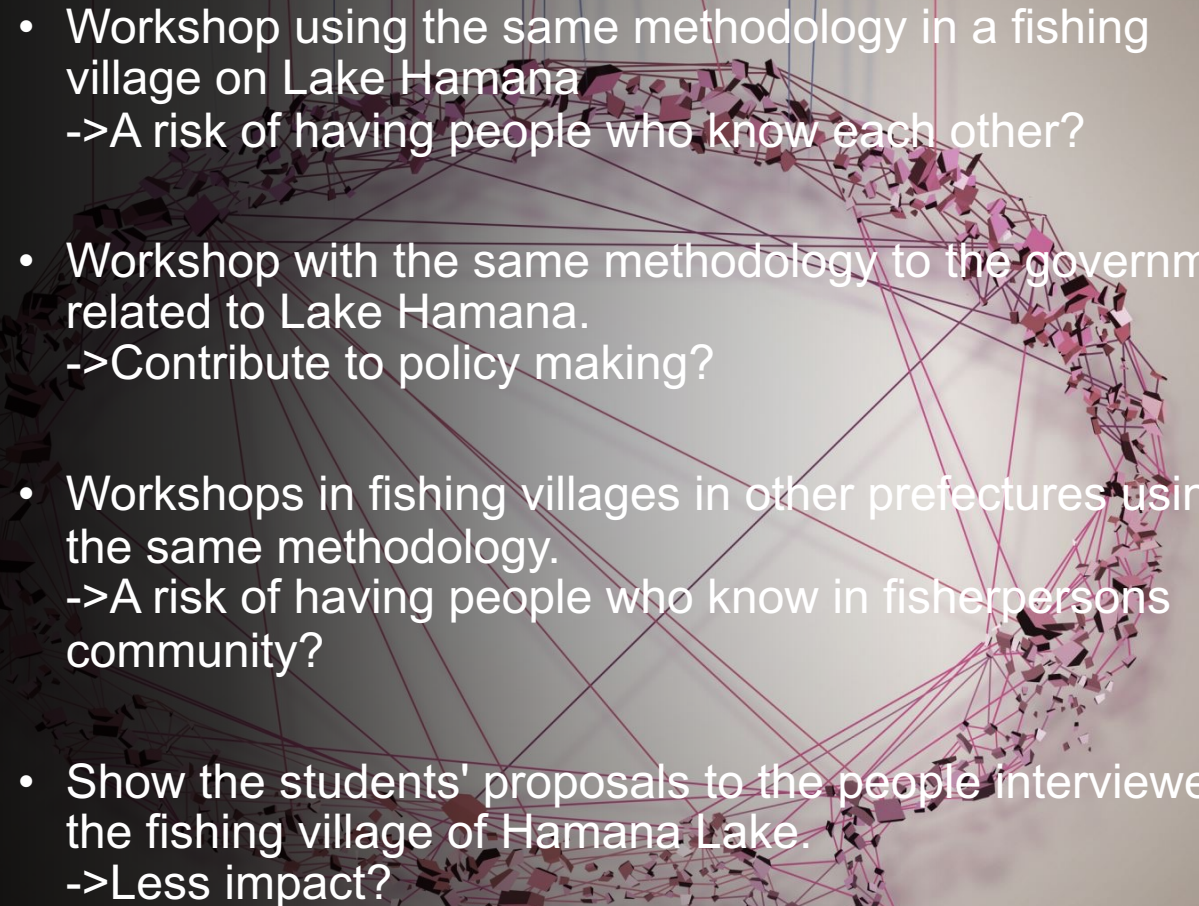
1. Getting specific and less abstract
2. Focusing on indirect actors
3. Treating natural and man-made elements as actors

Discussion



Toward the participation of stakeholders

Anticipated Methods of Utilization

- Workshop using the same methodology in a fishing village on Lake Hamana
->A risk of having people who know each other?
 - Workshop with the same methodology to the government related to Lake Hamana.
->Contribute to policy making?
 - Workshops in fishing villages in other prefectures using the same methodology.
->A risk of having people who know in fisherpersons community?
 - Show the students' proposals to the people interviewed in the fishing village of Hamana Lake.
->Less impact?
- 

Thank you

A white, torn paper effect runs horizontally across the bottom of the image, starting from the left edge and extending towards the right, with a jagged, irregular edge that suggests a tear in the paper. The rest of the image is solid black.

References

Rittel H. W. J. and M. M. Webber. (1973) Dilemmas in a general theory of planning. *Policy Sciences*, 4(2), 155-169.

Witteveen L., B. Enserink. and R. Lie. (2009) Mediated Participation: Using 5 Filmed Narratives in Complex Multi-stakeholder Settings. *The International Journal of Public Participation*, 3(1), 32-62.

Witteveen L. and R. Lie. (2018) Visual Problem Appraisal: A Learning Strategy, 8 which uses Filmed Narratives, *Common Ground Research Networks*.

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