
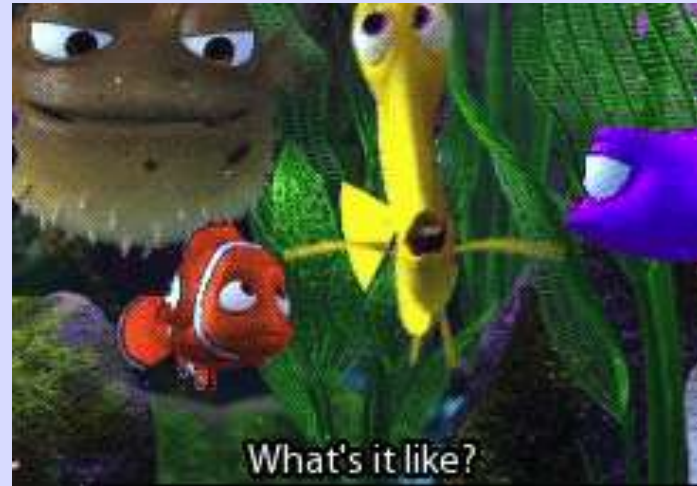


# CAN COMMUNITIES AND THEIR EXPERIENCES BE BETTER CAPTURED IN MARINE SPATIAL PLANNING?

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MAY 28, 2018

WE ARE IN MI'KMA'KI, THE ANCESTRAL AND UNCEDED  
TERRITORY OF THE MI'KMAQ PEOPLE.

# SUSTAINABILITY IN THE WORLD'S OCEANS



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# MARINE SPATIAL PLANNING (MSP): WHAT IS IT?



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION



"MARINE SPATIAL PLANNING,  
[MAKES SNOOZE SOUND]  
IS THE SNOOZIEST OF ALL SNOOZE ISSUES."

—FOCUS GROUP PARTICIPANT QUOTE FROM FLANNERY ET AL. (2018).

# SUSTAINABILITY IS A SOCIAL ENDEAVOUR



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# SOCIAL DATA IN MARINE SPATIAL PLANNING



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

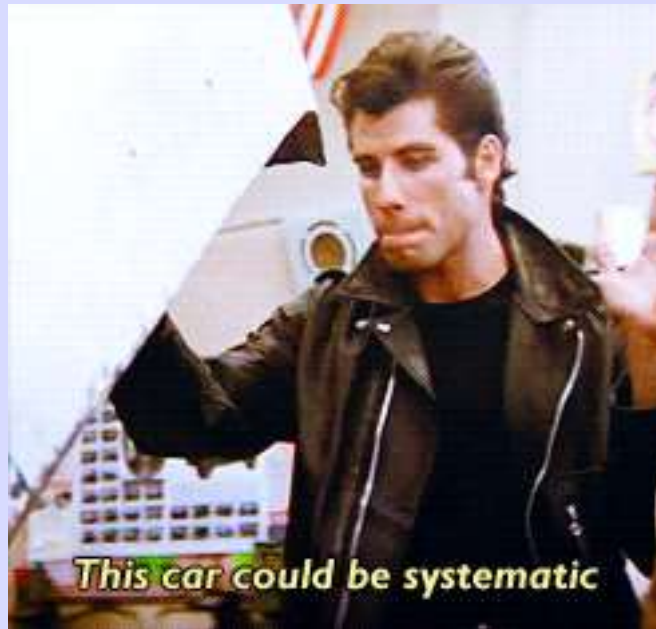
HOW ARE COMMUNITIES CURRENTLY BEING  
INCLUDED IN MARINE SPATIAL PLANNING?



WHAT RECOMMENDATIONS ARE BEING MADE REGARDING  
COMMUNITIES IN MARINE SPATIAL PLANNING?

CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# METHODS: SYSTEMATIC LITERATURE REVIEW



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# METHODS: SYSTEMATIC LITERATURE REVIEW

LITERATURE SEARCH IN WEB OF SCIENCE

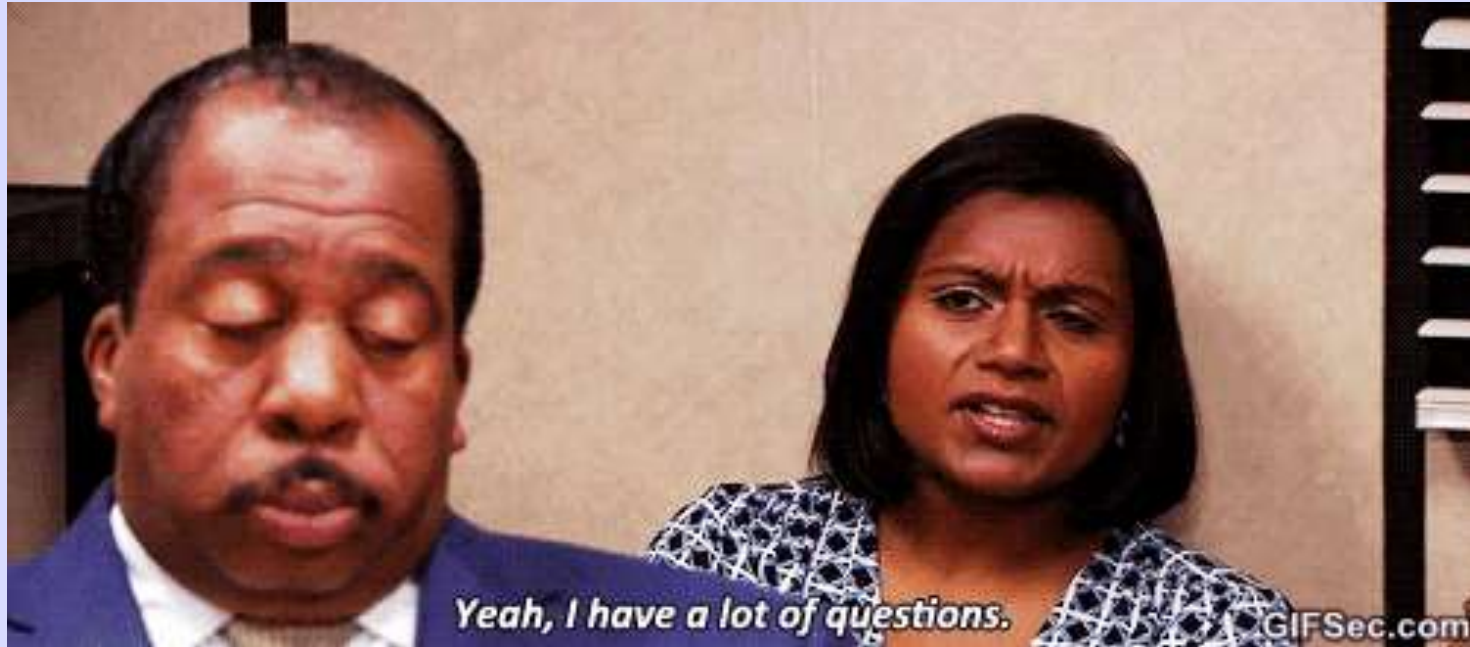
KEY TERMS "MARINE SPATIAL PLANNING" AND "COMMUNITY"

RETURNED 144 PAPERS FOR ABSTRACT REVIEW

RETAINED 41 PAPERS FOR METHODS REVIEW

COMPLETE REVIEW OF 30 PAPERS

# METHODS: KEY REVIEW QUESTIONS



- CONTEXT
- QUESTIONS
- METHODS
- OUTCOMES
- DISCUSSION
- CONCLUSION



# METHODS: KEY REVIEW QUESTIONS

1. WHO IS THE **COMMUNITY** BEING STUDIED?
2. WHAT RESEARCH METHODS ARE USED TO **UNDERSTAND** COMMUNITIES?
3. WHAT **QUALITIES** OF COMMUNITIES ARE BEING MEASURED?
4. WHAT **RECOMMENDATIONS** ARE MADE REGARDING COMMUNITIES IN MARINE SPATIAL PLANNING?

# OUTCOMES: A DECADE OF DATA



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# OUTCOMES: A DECENTLY INTERNATIONAL REVIEW



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# OUTCOMES: MARINE SPATIAL PLANNING SCALES





# OUTCOMES: IDENTIFIED "COMMUNITIES"



# OUTCOMES: METHODS FOR INCLUDING HUMANS



# OUTCOMES: COMMUNITY QUALITIES CAPTURED IN MSP

1. PERCEPTIONS OF THE PLANNING PROCESS
2. USES OF PLACE AND SPACE
3. PERCEPTIONS OF AND EXPERIENCES WITH CONFLICT
4. PREFERENCES IN MARINE SPATIAL PLANNING
5. PLACE VALUES AND USER KNOWLEDGE

# OUTCOMES: THEMES IN RECOMMENDATIONS



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION



# OUTCOMES: THEMES IN RECOMMENDATIONS

1. STRATEGIES TO IMPROVE PARTICIPATION
2. LOCALIZING MARINE SPATIAL PLANNING
3. NEEDS FOR NEW SOCIAL SCIENCE RESEARCH AND DATA

# OUTCOMES: STRATEGIES TO IMPROVE PARTICIPATION

KEY THEMES  
IMPROVE PARTICIPATION  
LOCALIZING MSP  
SOCIAL SCIENCE AND DATA

1. IMPROVING DIVERSITY OF VIEWPOINTS IN MSP
2. CREATING ACCESSIBLE PARTICIPATION PLATFORMS
3. INCLUSIVE AND EQUITABLE CONSULTATION

CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# OUTCOMES: LOCALIZING MARINE SPATIAL PLANNING

KEY THEMES  
IMPROVE PARTICIPATION  
LOCALIZING MSP  
SOCIAL SCIENCE AND DATA

1. PRIORITIZING LOCAL NEEDS, PREFERENCES, ETC.
2. ALLOWING AUTONOMY AMONG LOCAL COMMUNITIES
3. PREPARING FOR NEWCOMERS

CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# OUTCOMES: NEEDS FOR NEW SOCIAL SCIENCE AND DATA

KEY THEMES  
IMPROVE PARTICIPATION  
LOCALIZING MSP  
SOCIAL SCIENCE AND DATA

1. METHODS FOR AND RESULTS FROM INTEGRATED DATA
2. FINER INDIVIDUAL SCALE ETHNOGRAPHY
3. ESTABLISHED MONITORING PROGRAMS FOR SOCIAL DATA

CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION



# DISCUSSION: WHAT DOES IT ALL MEAN?



CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION

# DISCUSSION: THE PROBLEM OF SOCIAL–ECOLOGICAL FIT

THE ECOLOGICAL SYSTEM BEING ADDRESSED THROUGH MARINE SPATIAL  
PLANNING DOES NOT FIT IN LOCAL SOCIAL SYSTEMS.

# DISCUSSION: THE PROBLEM OF SCALE MISMATCH

THE SCALE OF MARINE SPATIAL PLANNING IS INHERENTLY MISMATCHED WITH THE LOCAL SOCIAL–ECOLOGICAL SYSTEMS INVOLVED.

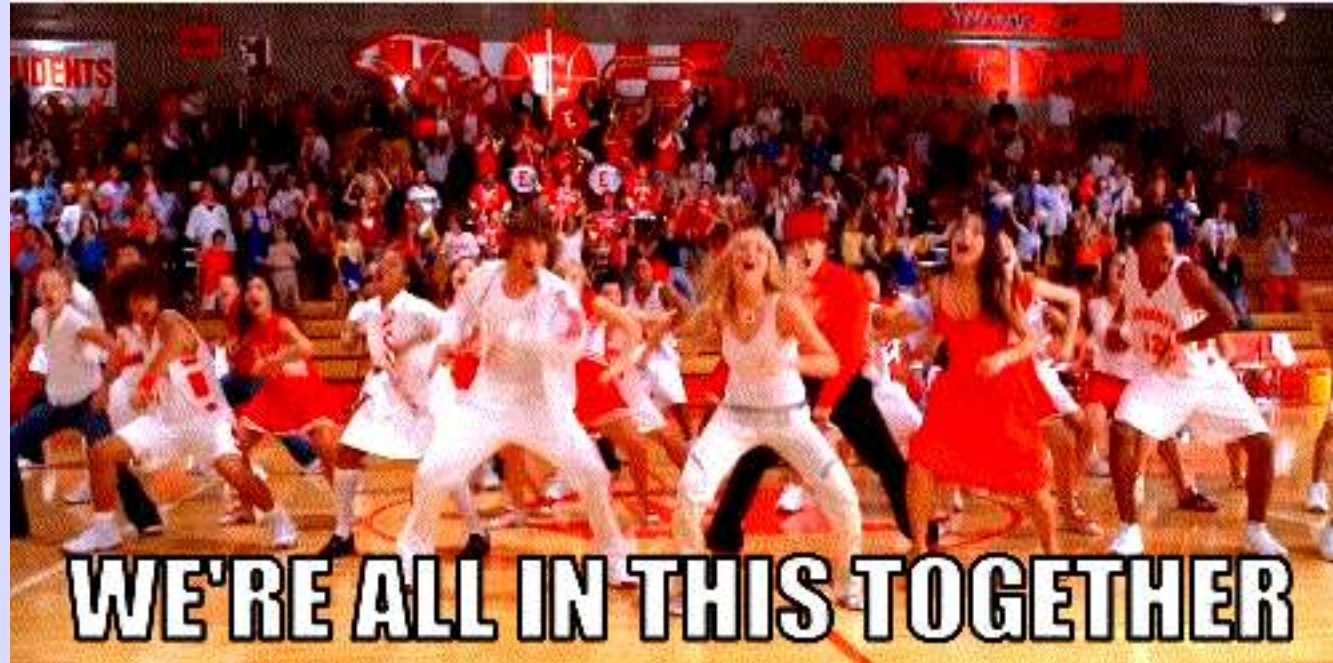
# DISCUSSION: EMBEDDING LOCAL COMMUNITIES IN MSP



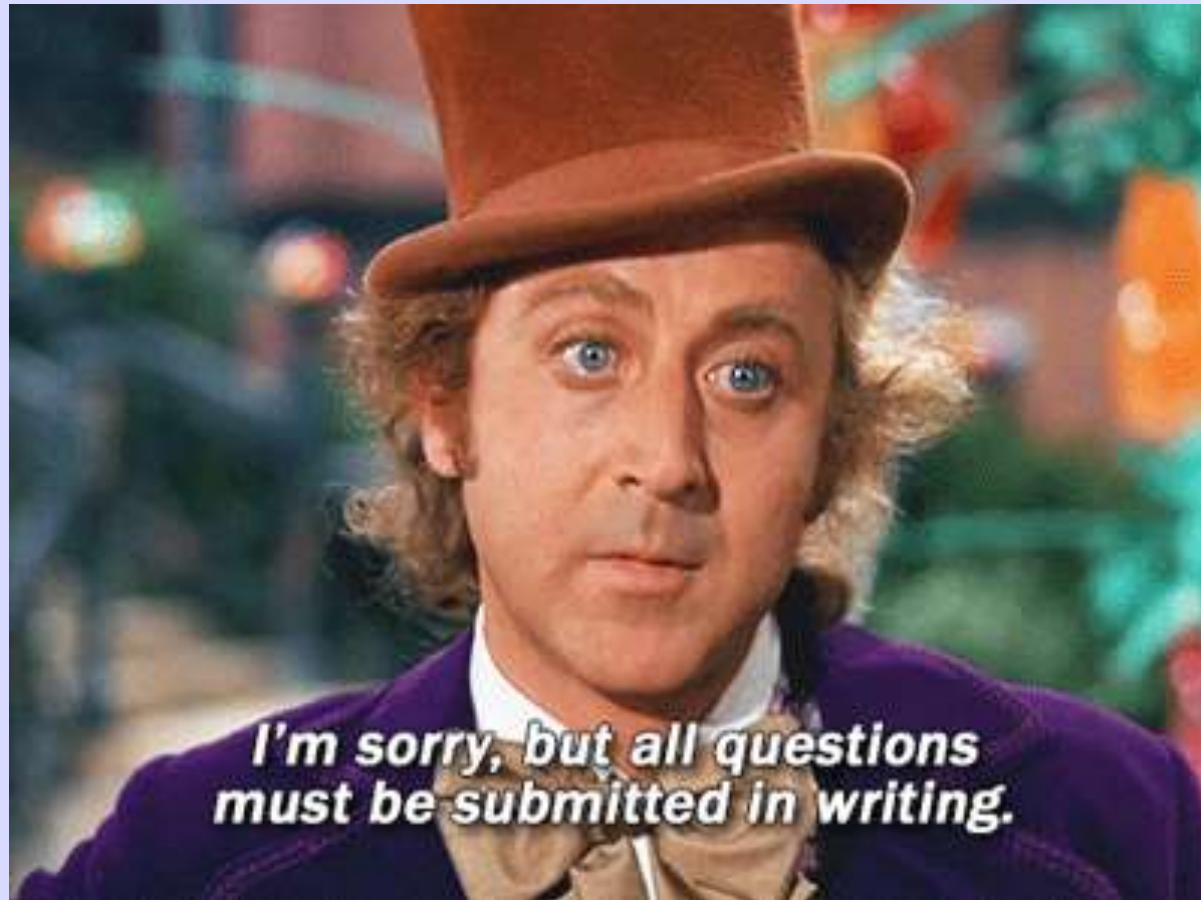
CONTEXT  
QUESTIONS  
METHODS  
OUTCOMES  
DISCUSSION  
CONCLUSION



# CONCLUSION: AN INTEGRATED SYSTEMS APPROACH



CONTEXT  
QUESTIONS  
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OUTCOMES  
DISCUSSION  
CONCLUSION



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