

# **METHODS & CASE STUDIES**

#### **METHODS**

- TRANSECTS
- QUADRATS
- INTERVIEW
- SURVEY
- DOCUMENT CONTENT ANALYSIS

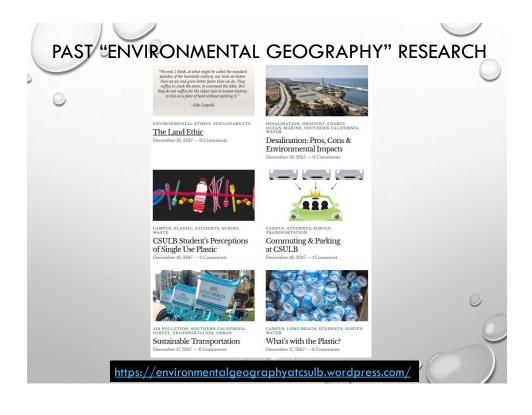
### **CASE STUDIES**

- LAWNS
- HAZARDS, RISKS, & PERCEPTIONS
- E-WASTE
- URBANIZATION & DEVELOPMENT
- ENVIRONMENTAL POLITICS
- PLASTIC POLLUTION & GLOBAL CONNECTIVITY
- GEOENGINEERING & WAYS FORWARD

### **GROUP DATA COLLECTION EXERCISES**

- TRANSECTS: A PATH ALONG WHICH ONE COUNTS AND RECORDS OCCURRENCES OF THE SPECIES OF STUDY (E.G., PLANTS).
- QUADRATS: EACH OF A NUMBER OF SMALL AREAS OF HABITAT, TYPICALLY OF ONE SQUARE METER, THAT ACT AS SAMPLES FOR ASSESSING THE LOCAL DISTRIBUTION OR COVERAGE OF PLANTS OR ANIMALS.
- INTERVIEWS: PRACTICE WRITING INTERVIEW QUESTIONS, ADMINISTERING INTERVIEWS, AND ANALYZING INTERVIEW DATA
- SURVEYS: PRACTICE WRITING SURVEY QUESTIONS, ADMINISTERING A SURVEY, AND ANALYZING SURVEY DATA
- DOCUMENT CONTENT ANALYSIS: PRACTICE ANALYZING DOCUMENTS AND REPORTS





## IMPORTANT CONSIDERATIONS

- 25% OF YOUR OVERALL GRADE (125 POINTS)
- GROUPS OF 3-6 MEMBERS
- DELIVERABLES:
  - ORAL PRESENTATION (POWER POINT, PREZI ETC) (15 MINUTES) SHOWCASING YOUR RESEARCH
  - 5-6 PAGE RESEARCH PAPER
- ORAL PRESENTATIONS WILL TAKE PLACE ON DECEMBER 3<sup>RD</sup> & 5<sup>TH</sup>
- COMPLETE PROJECT IS DUE ON DEC 2 BY MIDNIGHT

# RESEARCH PAPER (5-6 PAGES)

- RESEARCH TOPIC AND GOALS
  - RESEARCH QUESTION(S)
  - CONTEXTUALIZE YOUR RESEARCH WITHIN ENVIRONMENTAL GEOGRAPHY
  - WHY IS THIS RESEARCH QUESTION IMPORTANT?
- LITERATURE REVIEW (MINIMUM 3 PEER-REVIEWED ARTICLES)
  - DISCUSS PREVIOUS RESEARCH ON YOUR TOPIC
  - WHAT DOES THE RESEARCH SAY?
  - ARE THERE GAPS IN THE RESEARCH?
- ANALYZE AND APPLY
  - ANALYZE, CONTEXTUALIZE, & APPLY THE SOURCES TO YOUR QUESTION
  - WHY IS THIS RESEARCH RELEVANT & HOW DOES IT HELP ANSWER YOUR ?
- CONCLUSIONS
  - WHAT IS THE TAKEAWAY?

### **RESEARCH PROJECTS?**

- GETTING STARTED: WHAT ARE YOU INTERESTED IN?
- WHAT TOPICS DO YOU THINK DO NOT GET DISCUSSED ENOUGH?
- WHAT TOPICS DO YOU WANT TO LEARN MORE ABOUT?

#### NOW:

- COME UP WITH 2 POSSIBLE RESEARCH PROJECT TOPICS
  - WRITE 1-2 RESEARCH QUESTIONS FOR EACH TOPIC

# GROUP BRAINSTORM

- BREAK INTO GROUPS (5-6 STUDENTS)
- BRAINSTORM 2 POSSIBLE FINAL PROJECT RESEARCH TOPICS

RANK YOUR TOP 3 CHOICES OF GROUP PROJECT IDEAS FROM THE LIST WE DISCUSSED TODAY:

- 1.
- 2.
- 3.