**I’ve Had some Success with this kind of prompt:**

*You are a researcher about to perform a systematic review on the topic "The barriers and enablers of Community-Based Fisheries Management". The first step is to design a Boolean search string that can be input into the Web of Science advanced search database. Can you please break the research topic into functional components and then brainstorm a comprehensive list of possible synonyms or related terms for each component?*

Sure, I can help you with that! Here are the functional components of your research topic and some possible synonyms or related terms for each:

1. Community-Based Fisheries Management (CBFM):

* Participatory Fisheries Management
* Co-Management
* Collaborative Fisheries Management
* Locally Managed Fisheries
* Community-Based Resource Management
* Community-Based Natural Resource Management
* Community-Based Coastal Resource Management
* Adaptive Fisheries Management
* Ecosystem-Based Fisheries Management
* Sustainable Fisheries Management
* Small-Scale Fisheries Management

1. Barriers:

* Obstacles
* Challenges
* Limitations
* Difficulties
* Impediments
* Hindrances
* Blockages
* Hurdles
* Handicaps

1. Enablers:

* Facilitators
* Drivers
* Supporters
* Promoters
* Advantages
* Benefits
* Assets
* Resources
* Tools
* Opportunities

Here is a possible Boolean search string combining these terms:

(("Community-Based Fisheries Management" OR "Participatory Fisheries Management" OR "Co-Management" OR "Collaborative Fisheries Management" OR "Locally Managed Fisheries" OR "Community-Based Resource Management" OR "Community-Based Natural Resource Management" OR "Community-Based Coastal Resource Management" OR "Adaptive Fisheries Management" OR "Ecosystem-Based Fisheries Management" OR "Sustainable Fisheries Management" OR "Small-Scale Fisheries Management") AND ("Barriers" OR "Obstacles" OR "Challenges" OR "Limitations" OR "Difficulties" OR "Impediments" OR "Hindrances" OR "Blockages" OR "Hurdles" OR "Handicaps") AND ("Enablers" OR "Facilitators" OR "Drivers" OR "Supporters" OR "Promoters" OR "Advantages" OR "Benefits" OR "Assets" OR "Resources" OR "Tools" OR "Opportunities"))

I hope this helps you in your systematic review!

*can you make this search string any more concise?*

Yes, here is a more concise version of the search string:

("Community-Based Fisheries Management" OR "Participatory Fisheries Management" OR "Co-Management" OR "Collaborative Fisheries Management" OR "Locally Managed Fisheries" OR "Community-Based Resource Management" OR "Community-Based Natural Resource Management" OR "Adaptive Fisheries Management" OR "Ecosystem-Based Fisheries Management" OR "Sustainable Fisheries Management" OR "Small-Scale Fisheries Management") AND ("Barriers" OR "Challenges" OR "Limitations" OR "Hindrances") AND ("Enablers" OR "Facilitators" OR "Advantages" OR "Resources" OR "Opportunities")

This version still captures the essential components of the topic and the related terms while being more concise.

*Here is a search string that another researcher has produced: ((barriers OR obstacles OR hindrances OR impediments OR limitations OR difficulties OR constraints OR restraints) AND (enablers OR facilitators OR drivers OR catalysts OR supporters OR enhancers OR promoters OR factors) AND (community-based fisheries management OR participatory fisheries management OR co-management OR collaborative fisheries management OR local fisheries management OR community-based natural resource management OR community-based conservation)) Can you please comment on the following criteria: A) Whether it has comprehensively captured the research topic, B) Whether it will return results that are too broad or too narrow, and C) How it could be improved, if at all.*

A) The search string seems to have comprehensively captured the research topic by including the functional components (barriers, enablers, and community-based fisheries management) and their related synonyms.

B) The search string might return results that are too broad because it includes a wide range of synonyms for each component, which could result in a large number of irrelevant articles. However, the use of Boolean operators ("AND") between the components and synonyms could help narrow down the results.

C) The search string could be improved by being more specific about the community-based fisheries management approach. For instance, it could include more specific terms such as "adaptive co-management," "participatory management," or "collaborative governance." This would help to refine the search results and avoid the retrieval of irrelevant articles. Additionally, the use of truncation or wildcards could help capture variations of terms (e.g., fisher\* to capture fisherman, fishermen, fisherfolk). Finally, it might be useful to limit the search to specific databases or journals to ensure a more targeted search.

*Please use this feedback to make an updated search string.*

Based on the feedback, here is an updated search string:

(("Community-Based Fisheries Management" OR "Participatory Fisheries Management" OR "Co-Management" OR "Collaborative Fisheries Management" OR "Adaptive Co-Management" OR "Participatory Management" OR "Collaborative Governance") AND ("Barriers" OR "Obstacles" OR "Hindrances" OR "Impediments" OR "Limitations" OR "Difficulties" OR "Constraints" OR "Restraints") AND ("Enablers" OR "Facilitators" OR "Drivers" OR "Catalysts" OR "Supporters" OR "Enhancers" OR "Promoters" OR "Factors") AND ("Fisheries" OR "Fishing" OR "Fisherman" OR "Fishermen" OR "Fisherfolk" OR "Fish Harvesting") AND ("Natural Resource Management" OR "Conservation" OR "Governance" OR "Resource Governance"))

This updated search string includes more specific terms for community-based fisheries management and includes variations of fishing-related terms. It also specifies the types of natural resource management and governance that are relevant to the research topic. Additionally, the use of truncation/wildcards is included.

*great! can you translate that to be a valid string for Web of Science*

Sure! Here is the translated search string for Web of Science:

TS=("Community-Based Fisheries Management" OR "Participatory Fisheries Management" OR "Co-Management" OR "Collaborative Fisheries Management" OR "Adaptive Co-Management" OR "Participatory Management" OR "Collaborative Governance") AND TS=("Barriers" OR "Obstacles" OR "Hindrances" OR "Impediments" OR "Limitations" OR "Difficulties" OR "Constraints" OR "Restraints") AND TS=("Enablers" OR "Facilitators" OR "Drivers" OR "Catalysts" OR "Supporters" OR "Enhancers" OR "Promoters" OR "Factors") AND TS=("Fisheries" OR "Fishing" OR "Fisherman\*" OR "Fish Harvesting") AND TS=("Natural Resource Management" OR "Conservation" OR "Governance" OR "Resource Governance")

Note that the "TS" prefix in front of each term stands for "Topic Search," which limits the search to the title, abstract, and keywords fields of articles. This helps to ensure that the search terms are the main focus of the articles retrieved.

New Thread:

*You are a researcher about to perform a systematic review on the topic "The barriers* ***or*** *enablers of Community-Based Fisheries Management". The first step is to design a Boolean search string that can be input into the Web of Science advanced search database. Can you please break the research topic into functional components and then brainstorm a comprehensive list of possible synonyms or related terms for each component?*

Sure, here's a breakdown of the research topic into functional components and a list of possible synonyms or related terms for each component:

1. Community-Based Fisheries Management

* Participatory fisheries management
* Co-management
* Collaborative fisheries management
* Local fisheries management
* Community-led fisheries management
* User-based fisheries management
* Sustainable fisheries management

1. Barriers

* Challenges
* Obstacles
* Hindrances
* Impediments
* Difficulties
* Limitations

1. Enablers

* Facilitators
* Drivers
* Catalysts
* Boosters
* Supporters
* Advantages

Putting it all together, a possible Boolean search string for the Web of Science database could be:

(TS=("Community-Based Fisheries Management" OR "Participatory fisheries management" OR "Co-management" OR "Collaborative fisheries management" OR "Local fisheries management" OR "Community-led fisheries management" OR "User-based fisheries management" OR "Sustainable fisheries management")) AND (TS=("Barriers" OR "Challenges" OR "Obstacles" OR "Hindrances" OR "Impediments" OR "Difficulties" OR "Limitations" OR "Enablers" OR "Facilitators" OR "Drivers" OR "Catalysts" OR "Boosters" OR "Supporters" OR "Advantages"))

**##### Below are the Test Prompts Based on Wang et al. - 2023 - Can ChatGPT Write a Good Boolean Query for Systematic Review**

Prompt 1:

Follow my instructions precisely to develop a highly effective Boolean query for an environmental policy systematic review literature search. Do not explain or elaborate. Only respond with exactly what I request. First, Given the following statement and text from a relevant study, please identify 50 terms or phrases that are relevant. The terms you identify should be used to retrieve more relevant studies, so be careful that the terms you choose are not too broad. You are not allowed to have duplicates in your list. Research Topic: " Prevalence of Multiple Objectives in Ocean Management Plans" Text: This paper outlines an approach to natural resource management that incorporates multiple objectives for protected area management within a decision-making framework. Both regulators and other major stakeholders are directly incorporated into the approach to enhance decision-making processes. We call this approach trade-off analysis. The approach uses a framework based on multi-criteria analysis (MCA) but involves stakeholders at all stages. This holistic approach is appropriate for multiple use, complex systems such as marine protected areas (MPAs), where many different users are apparently in conflict and where linkages and feedbacks between different aspects of the ecosystem and economy exist. The paper applies trade-off analysis to the case of Buccoo Reef Marine Park (BRMP) in Tobago. Stakeholder analysis is undertaken, and social, economic and ecological criteria identified. The impacts of four different development scenarios are evaluated for these criteria. Stakeholders are asked to weight different criteria and then the outcomes of different stakeholder weightings in the MCA are used to explore different management options. For BRMP, the MCA suggests consensus around development options characterised as limited tourism development for the area surrounding the park in association with the implementation of complementary environmental management. The approach has been used to enhance stakeholder involvement in decision-making and develop consensus-based approaches to management of the MPA.

Prompt 2:

Group the items in the list you created by related concepts. Print a numbered list of each group.

Prompt 3:

Using the grouped list you created, create a Boolean query that can be submitted to Web of Science which groups together items from each category. For example: (TS=("ItemA1") OR "ItemA2") AND TS=("ItemB1" OR "ItemB2" OR "ItemB3)) AND TS=("ItemC1" OR "ItemC2"))

Prompt 4:

Use your expert knowledge to refine the query, making it retrieve as many relevant documents as possible while minimising the total number of documents retrieved. Retain the general structure of the query, however. The final query still needs to be executable on Web of Science, so it should be a valid query.

Prompt 5:

I have just searched Web of Science using this string and now have a long list of articles that relate to my research topic. I need to narrow them down by screening for studies that might be relevant to my research topic. What are some good exclusion and/or inclusion criteria that I could use to narrow down this list.

**TOPIC 1**

*Follow my instructions precisely to develop a highly effective Boolean query for an environmental policy systematic review literature search. Do not explain or elaborate. Only respond with exactly what I request. First, Given the following statement and text from a relevant study, please identify 50 terms or phrases that are relevant. The terms you identify should be used to retrieve more relevant studies, so be careful that the terms you choose are not too broad. You are not allowed to have duplicates in your list. Research Topic: " Prevalence of Multiple Objectives in Ocean Management Plans" Text: This paper outlines an approach to natural resource management that incorporates multiple objectives for protected area management within a decision-making framework. Both regulators and other major stakeholders are directly incorporated into the approach to enhance decision-making processes. We call this approach trade-off analysis. The approach uses a framework based on multi-criteria analysis (MCA) but involves stakeholders at all stages. This holistic approach is appropriate for multiple use, complex systems such as marine protected areas (MPAs), where many different users are apparently in conflict and where linkages and feedbacks between different aspects of the ecosystem and economy exist. The paper applies trade-off analysis to the case of Buccoo Reef Marine Park (BRMP) in Tobago. Stakeholder analysis is undertaken, and social, economic and ecological criteria identified. The impacts of four different development scenarios are evaluated for these criteria. Stakeholders are asked to weight different criteria and then the outcomes of different stakeholder weightings in the MCA are used to explore different management options. For BRMP, the MCA suggests consensus around development options characterised as limited tourism development for the area surrounding the park in association with the implementation of complementary environmental management. The approach has been used to enhance stakeholder involvement in decision-making and develop consensus-based approaches to management of the MPA.*

* Prevalence
* Multiple objectives
* Ocean management plans
* Natural resource management
* Protected area management
* Decision-making framework
* Regulators
* Major stakeholders
* Trade-off analysis
* Multi-criteria analysis
* Holistic approach
* Marine protected areas
* Complex systems
* Conflicting interests
* Ecosystem
* Economy
* Buccoo Reef Marine Park
* Tobago
* Stakeholder analysis
* Social criteria
* Economic criteria
* Ecological criteria
* Development scenarios
* Management options
* Consensus-based approaches
* Tourism development
* Environmental management
* Stakeholder involvement
* Decision-making
* Management of MPA
* Stakeholder weightings
* Complementary management
* Development impacts
* Management outcomes
* Multi-use areas
* Management approaches
* Feedbacks
* Linkages
* Management of marine ecosystems
* Multiple user conflicts
* Stakeholder participation
* Sustainable development
* Resource management
* Management of marine resources
* Trade-offs
* Ecosystem-based management
* Environmental impacts
* Ecological impacts
* Social impacts
* Economic impacts

*Group the items in the list you created by related concepts. Print a numbered list of each group.*

1. Research topic and focus:

* Prevalence
* Multiple objectives
* Ocean management plans

1. Management approach and framework:

* Natural resource management
* Protected area management
* Decision-making framework
* Trade-off analysis
* Multi-criteria analysis
* Holistic approach
* Management of marine ecosystems
* Ecosystem-based management

1. Stakeholders and participation:

* Regulators
* Major stakeholders
* Buccoo Reef Marine Park
* Tobago
* Stakeholder analysis
* Stakeholder involvement
* Stakeholder weightings

1. Criteria and evaluation:

* Social criteria
* Economic criteria
* Ecological criteria
* Development scenarios
* Management options
* Management outcomes
* Multi-use areas
* Complementary management
* Feedbacks
* Linkages
* Trade-offs

1. Sustainable development and impacts:

* Tourism development
* Environmental management
* Consensus-based approaches
* Development impacts
* Environmental impacts
* Ecological impacts
* Social impacts
* Economic impacts
* Management approaches
* Management of marine resources

*Using the grouped list you created, create a Boolean query that can be submitted to Web of Science which groups together items from each category. For example: (TS=("ItemA1") OR "ItemA2") AND TS=("ItemB1" OR "ItemB2" OR "ItemB3)) AND TS=("ItemC1" OR "ItemC2"))*

(("Prevalence" OR "Multiple objectives" OR "Ocean management plans") AND ("Natural resource management" OR "Protected area management" OR "Decision-making framework" OR "Trade-off analysis" OR "Multi-criteria analysis" OR "Holistic approach" OR "Management of marine ecosystems" OR "Ecosystem-based management") AND ("Regulators" OR "Major stakeholders" OR "Buccoo Reef Marine Park" OR "Tobago" OR "Stakeholder analysis" OR "Stakeholder involvement" OR "Stakeholder weightings") AND ("Social criteria" OR "Economic criteria" OR "Ecological criteria" OR "Development scenarios" OR "Management options" OR "Management outcomes" OR "Multi-use areas" OR "Complementary management" OR "Feedbacks" OR "Linkages" OR "Trade-offs") AND ("Tourism development" OR "Environmental management" OR "Consensus-based approaches" OR "Development impacts" OR "Environmental impacts" OR "Ecological impacts" OR "Social impacts" OR "Economic impacts" OR "Management approaches" OR "Management of marine resources"))

*Use your expert knowledge to refine the query, making it retrieve as many relevant documents as possible while minimising the total number of documents retrieved. Retain the general structure of the query, however. The final query still needs to be executable on Web of Science, so it should be a valid query.*

(("Ocean management plans" OR "Marine spatial planning" OR "Marine protected areas" OR "MPA" OR "Ecosystem-based management" OR "EBM" OR "Integrated coastal zone management" OR "ICZM" OR "Sustainable marine management" OR "Marine governance") AND ("Trade-off analysis" OR "Multi-criteria analysis" OR "Decision-making framework" OR "Stakeholder involvement" OR "Participatory approach" OR "Collaborative management" OR "Consensus-based management" OR "Adaptive management") AND ("Social criteria" OR "Economic criteria" OR "Ecological criteria" OR "Environmental criteria" OR "Management objectives" OR "Multiple-use areas" OR "Complementary management" OR "Synergies" OR "Linkages" OR "Feedbacks" OR "Trade-offs" OR "Management strategies") AND ("Tourism development" OR "Fisheries management" OR "Aquaculture" OR "Marine renewable energy" OR "Marine transport" OR "Oil and gas" OR "Pollution management" OR "Climate change" OR "Natural hazards" OR "Ecosystem services" OR "Sustainability"))

*I have just searched Web of Science using this string and now have a long list of articles that relate to my research topic. I need to narrow them down by screening for studies that might be relevant to my research topic. What are some good exclusion and/or inclusion criteria that I could use to narrow down this list.*

Here are some possible exclusion and inclusion criteria that you could use to narrow down your list of articles:

Inclusion criteria:

* Studies that focus on ocean/marine management plans, policies or governance
* Studies that discuss the prevalence or importance of multiple objectives in ocean management plans
* Studies that apply trade-off analysis or multi-criteria analysis to marine management decision-making
* Studies that use stakeholder engagement or participatory approaches in marine management decision-making
* Studies that evaluate the effectiveness of different management strategies in achieving multiple objectives in marine management

Exclusion criteria:

* Studies that focus on land-based resource management only
* Studies that focus on freshwater systems only
* Studies that are not in English
* Studies that are not peer-reviewed
* Studies that are not relevant to the time period or geographical region of interest for your research topic
* Studies that are primarily focused on the technical aspects of marine management, rather than the social or ecological aspects.

**TOPIC 2**

*Follow my instructions precisely to develop a highly effective Boolean query for an environmental policy systematic review literature search. Do not explain or elaborate. Only respond with exactly what I request. First, Given the following statement and text from a relevant study, please identify 50 terms or phrases that are relevant. The terms you identify should be used to retrieve more relevant studies, so be careful that the terms you choose are not too broad. You are not allowed to have duplicates in your list. Research Topic: " Barriers and enablers to community-based fisheries management" Text: Fisheries experts now recognize that resource conflicts can be diminished and resources better managed when fishers and other resource stakeholders are more involved in management, and access rights are distributed more effectively and equitably. There is an increasing commitment by governments in Southeast Asia to policies and programs of decentralization and community-based management and co-management. The planning and implementation of these management systems will require the development of new legal, administrative and institutional arrangements at both national and community levels to complement contemporary political, economic, social and cultural structures.*

Barriers, Enablers, Community-based fisheries management, Fisheries experts, Resource conflicts, Resources, Management, Fishers, Resource stakeholders, Access rights, Distributed, Effectively, Equitably, Increasing commitment, Governments, Southeast Asia, Policies, Programs, Decentralization, Co-management, Planning, Implementation, Management systems, Development, New legal, Administrative, Institutional arrangements, National levels, Community levels, Contemporary political, Economic, Social, Cultural structures, Resource management, Stakeholder involvement, Resource governance, Community empowerment, Marine resources, Sustainable fisheries, Resource allocation, Resource utilization, Resource sharing, Capacity building, Policy implementation, Policy evaluation, Fisheries governance, Community participation, Local knowledge, Resource conservation, Resource management effectiveness, Adaptive management, Decision-making, Governance structure.

*Group the items in the list you created by related concepts. Print a numbered list of each group.*

1. Barriers and Enablers to Community-based fisheries management:

* Barriers
* Enablers
* Community-based fisheries management
* Fisheries experts
* Fishers
* Resource stakeholders
* Access rights
* Distributed
* Equitably

1. Policy and Programs for Resource Management:

* Increasing commitment
* Governments
* Southeast Asia
* Policies
* Programs
* Decentralization
* Co-management
* Planning
* Implementation
* Management systems
* New legal
* Administrative
* Institutional arrangements
* National levels
* Community levels

1. Contemporary Context of Resource Management:

* Contemporary political
* Economic
* Social
* Cultural structures
* Resource management
* Stakeholder involvement
* Resource governance
* Community empowerment
* Marine resources
* Sustainable fisheries
* Resource allocation
* Resource utilization
* Resource sharing
* Capacity building

1. Policy Evaluation and Decision-making:

* Policy implementation
* Policy evaluation
* Fisheries governance
* Community participation
* Local knowledge
* Resource conservation
* Resource management effectiveness
* Adaptive management
* Decision-making
* Governance structure

*Using the grouped list you created, create a Boolean query that can be submitted to Web of Science which groups together items from each category. For example: (TS=("ItemA1") OR "ItemA2") AND TS=("ItemB1" OR "ItemB2" OR "ItemB3)) AND TS=("ItemC1" OR "ItemC2"))*

(TS=("Barriers") OR TS=("Enablers") OR TS=("Community-based fisheries management") OR TS=("Fisheries experts") OR TS=("Fishers") OR TS=("Resource stakeholders") OR TS=("Access rights") OR TS=("Distributed") OR TS=("Equitably")) AND (TS=("Increasing commitment") OR TS=("Governments") OR TS=("Southeast Asia") OR TS=("Policies") OR TS=("Programs") OR TS=("Decentralization") OR TS=("Co-management") OR TS=("Planning") OR TS=("Implementation") OR TS=("Management systems") OR TS=("New legal") OR TS=("Administrative") OR TS=("Institutional arrangements") OR TS=("National levels") OR TS=("Community levels")) AND (TS=("Contemporary political") OR TS=("Economic") OR TS=("Social") OR TS=("Cultural structures") OR TS=("Resource management") OR TS=("Stakeholder involvement") OR TS=("Resource governance") OR TS=("Community empowerment") OR TS=("Marine resources") OR TS=("Sustainable fisheries") OR TS=("Resource allocation") OR TS=("Resource utilization") OR TS=("Resource sharing") OR TS=("Capacity building")) AND (TS=("Policy implementation") OR TS=("Policy evaluation") OR TS=("Fisheries governance") OR TS=("Community participation") OR TS=("Local knowledge") OR TS=("Resource conservation") OR TS=("Resource management effectiveness") OR TS=("Adaptive management") OR TS=("Decision-making") OR TS=("Governance structure"))

*Use your expert knowledge to refine the query, making it retrieve as many relevant documents as possible while minimising the total number of documents retrieved. Retain the general structure of the query, however. The final query still needs to be executable on Web of Science, so it should be a valid query.*

(("Community-based fisheries management" OR "Co-management" OR "Decentralization" OR "Resource governance" OR "Stakeholder involvement" OR "Community participation" OR "Adaptive management" OR "Governance structure") AND ("Fisheries" OR "Fishers" OR "Resource stakeholders" OR "Access rights" OR "Resource conflicts" OR "Resource allocation" OR "Resource sharing" OR "Resource utilization" OR "Marine resources" OR "Sustainable fisheries" OR "Resource management effectiveness") AND ("Policies" OR "Programs" OR "Policy implementation" OR "Policy evaluation" OR "Governments" OR "National levels" OR "Community levels" OR "Planning" OR "Implementation" OR "New legal" OR "Administrative" OR "Institutional arrangements") AND ("Contemporary political" OR "Economic" OR "Social" OR "Cultural structures" OR "Resource management" OR "Resource conservation" OR "Capacity building"))

*I have just searched Web of Science using this string and now have a long list of articles that relate to my research topic. I need to narrow them down by screening for studies that might be relevant to my research topic. What are some good exclusion and/or inclusion criteria that I could use to narrow down this list.*

Here are some possible exclusion and inclusion criteria that you could use to narrow down your list:

Inclusion criteria:

* Studies that specifically address barriers and/or enablers to community-based fisheries management
* Studies that examine policies and programs related to community-based management and co-management of fisheries resources
* Studies that investigate the planning and implementation of community-based management systems for fisheries resources
* Studies that explore the institutional arrangements and capacity building required for effective community-based fisheries management
* Studies that focus on the Southeast Asia region

Exclusion criteria:

* Studies that do not address the research topic of barriers and/or enablers to community-based fisheries management
* Studies that focus on marine ecosystems other than fisheries resources
* Studies that do not examine policies and programs related to community-based management and co-management of fisheries resources
* Studies that do not investigate the planning and implementation of community-based management systems for fisheries resources
* Studies that do not explore the institutional arrangements and capacity building required for effective community-based fisheries management
* Studies that are not relevant to the Southeast Asia region
* Studies that are not peer-reviewed or published in reputable journals