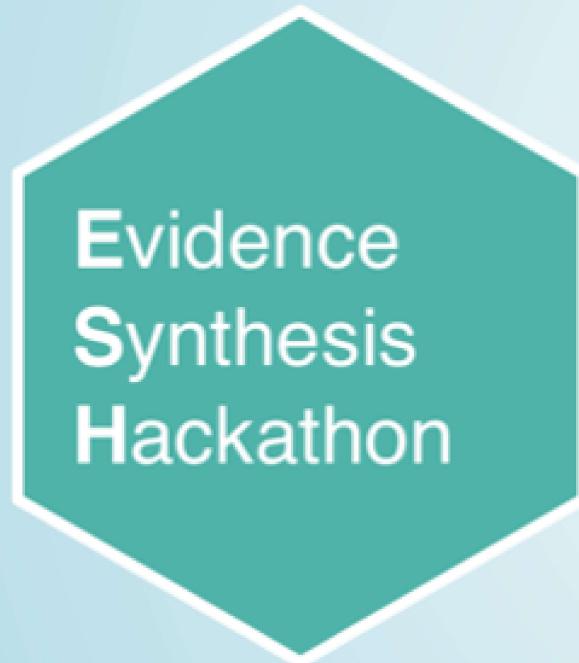
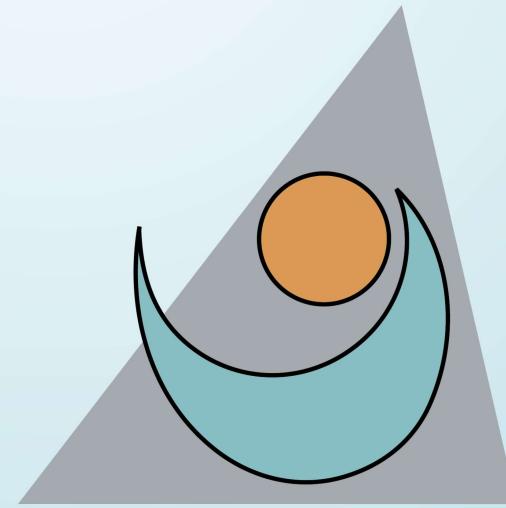


# ESHACKATHON: UNLOCKING EVIDENCE SYNTHESIS THROUGH INNOVATION



Collaboration for  
Environmental  
Evidence



NINA  
Norsk institutt for naturforskning

# WHAT IS THE ESHACKATHON?

## MISSION

The ESH aims to bring together interested researchers, practitioners and coders to discuss and develop new Open Source technologies for ES applications



# ORIGIN

- ESH started as an open software development event in 2018
- ESH has evolved into a conference, training courses and hackathons



# WHY DID ESH START

Many and increasing tools available to help in systematic review

- But...Often pay-walled...  
...or not supported long-term
- A lot of redundancy
- Very limited interoperability
- Tools frequently not validated (or validated by the developers)

# VIENNA PRINCIPLES

Principles of the International Collaboration for the Automation of Systematic Reviews (ICASR). Syst Rev 7, 77 (2018)

- Ability to work with different tools at different stages
- Tools should be interoperable
- Collaboration needed to cover all synthesis stages
- Code should be Open Source
- Standardised validation

# HACKATHONS



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# CONFERENCES

#ESMARConf2021

*in numbers...*



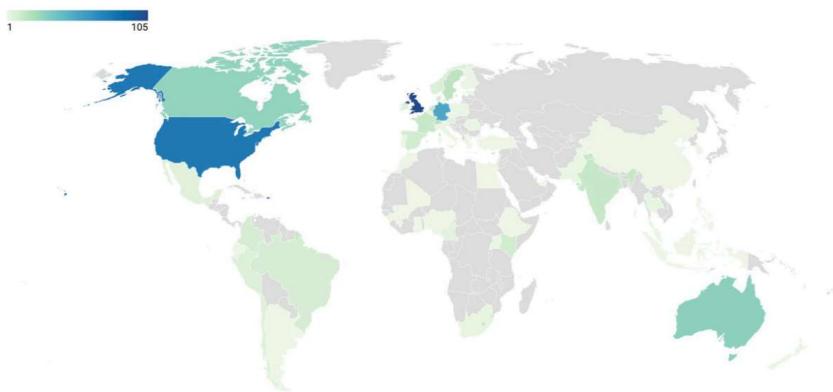
514

registered  
participants

from

26

countries



Created with Datawrapper

<http://bit.ly/ESMARConfParticipants>

39 presentations

10 panel discussions

4 workshops

100% free

[bit.ly/ESMARConfYouTube](https://bit.ly/ESMARConfYouTube)



during the 21<sup>st</sup> and 22<sup>nd</sup> January...

650

unique viewers

3,558

total video views

Viewers

Views



175

SUBSCRIBE

new  
subscribers

# TRAINING

Our events page - [opencollective.com/esmarconf/events](https://opencollective.com/esmarconf/events)

- Are you interested in getting a comprehensive or accurately representative overview of a research question?
- Are you looking for an accurate and precise summary of the impact or effectiveness of a particular factor or intervention?
- Do you want to learn rigorous secondary research principles while you conduct a review of the literature, like how to search for literature, how to critically appraise evidence, and how to perform meta-analysis or qualitative synthesis?
- Are you working with a high profile or controversial topic that would benefit from an independent, reliable summary of the evidence?

If the answer to any of these questions is yes then evidence synthesis may be the thing for you! Whether you're wanting to conduct a review, looking to find an existing one, or commission one yourself, this course will give you an in depth understanding of the benefits of systematic review and systematic mapping, what they entail, and how to conduct them.

This course aims to introduce systematic reviewing and systematic mapping as methods for evidence synthesis. Participants will gain an in-depth understanding of the activities that are necessary to maximise comprehensiveness, transparency, objectivity and reliability throughout the review process. This step-by-step course takes time to explain the theory behind each part of the review process, and provides guidance, tips and advice for those wanting to undertake a full systematic review or map.

# OUR TOOLS



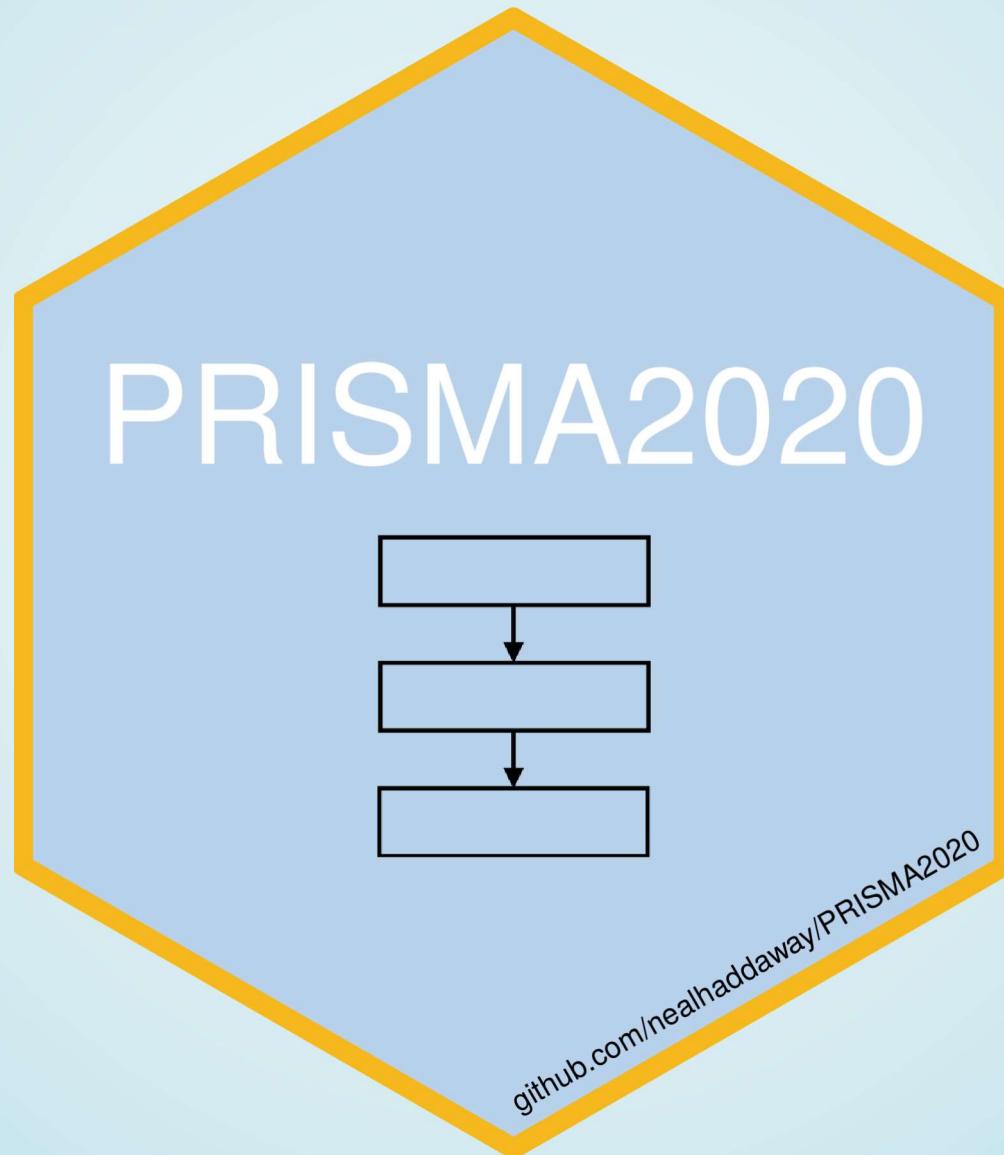
# CITATIONCHASER



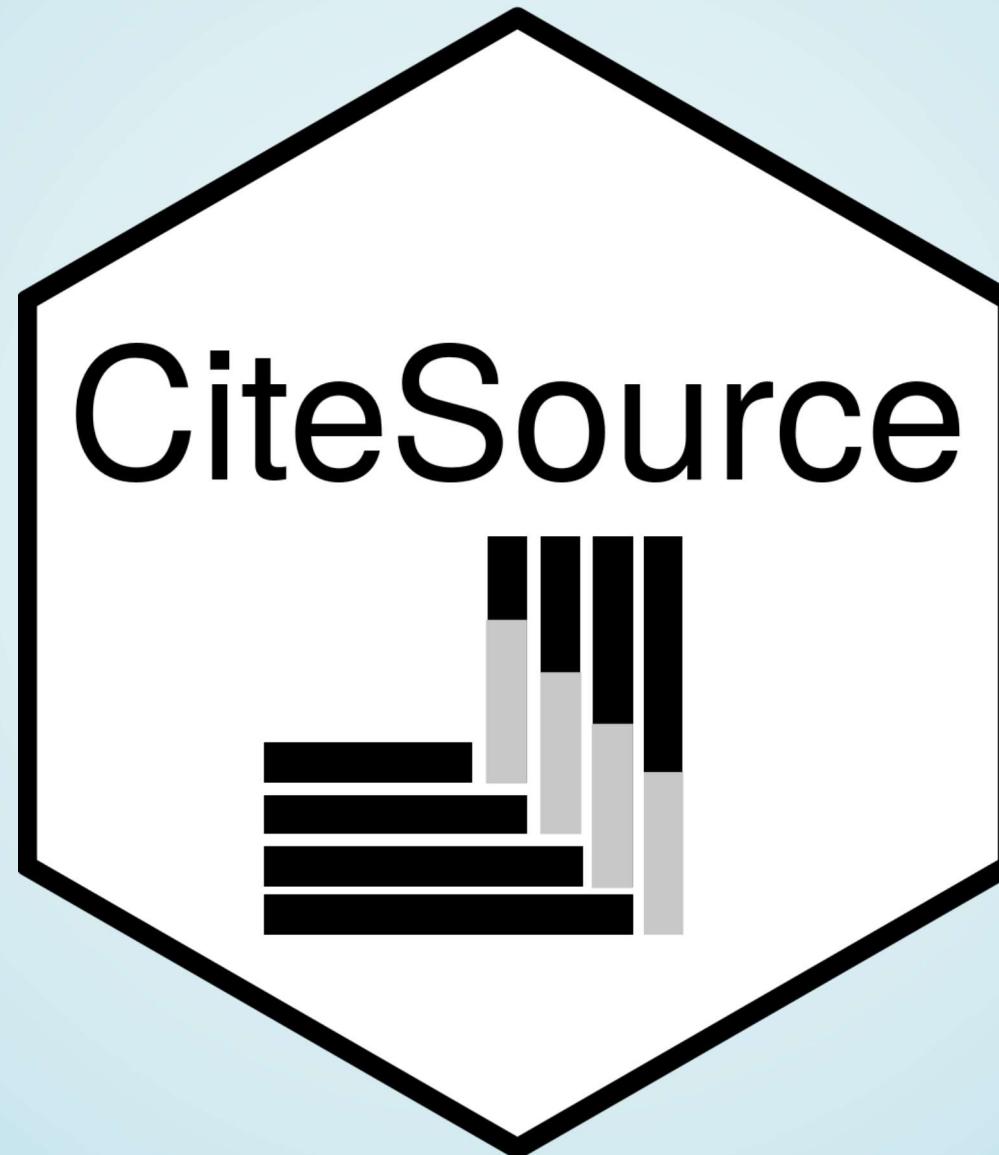
# EVIATLAS



# PRISMA2020



CITESOURCE



# HOW TO GET INVOLVED

- Propose coding/discussion projects
- Use and test ESH tools, provide feedback
- Apply to join a future hackathon/project
- Co-host a hackathon
- Fund an ESH event (LMIC attendance)

# JOIN OUR COMMUNITY

