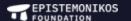


ICASR meeting, Prague 2024 End-to-end processes: whole systems

Sustainable Knowledge Platform For Evidence Synthesis

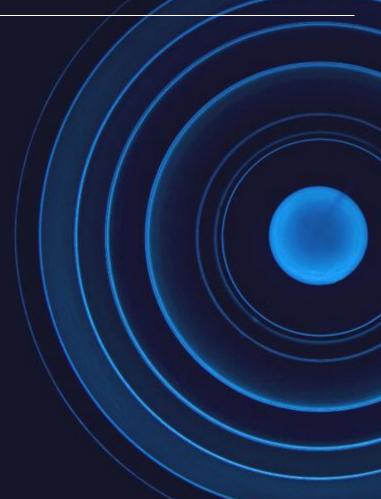


Gabriel Rada (@radagabriel)
radagabriel@epistemonikos.org
Epistemonikos Foundation



Who we are?

The Epistemonikos Foundation is an independent, non-profit organization that aims to bring the most up-to-date, clear, and relevant evidence to the spaces where decisions about health are made.





Sustainable Knowledge

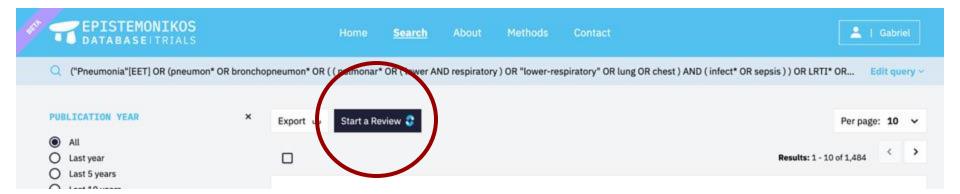
Form of knowledge produced under ideal conditions of quality, efficiency, and non-redundancy.

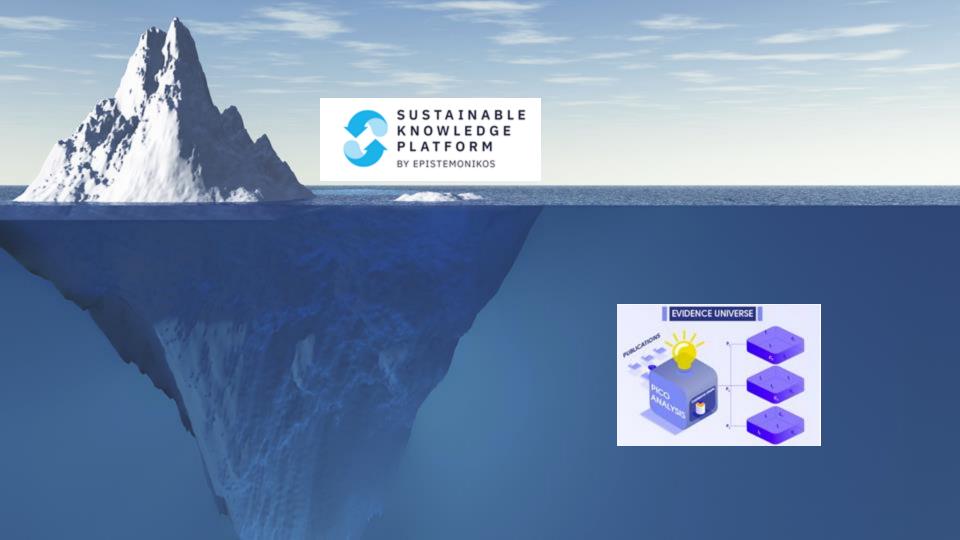




https://skplatform.org/

The SK platform is a comprehensive system designed to streamline the entire evidence synthesis process, providing specialized tools to support each stage of the workflow.







EVIDENCE SYNTHESIS ECOSYSTEM SERIES | VOLUME 123, P162-165, JULY 01, 2020

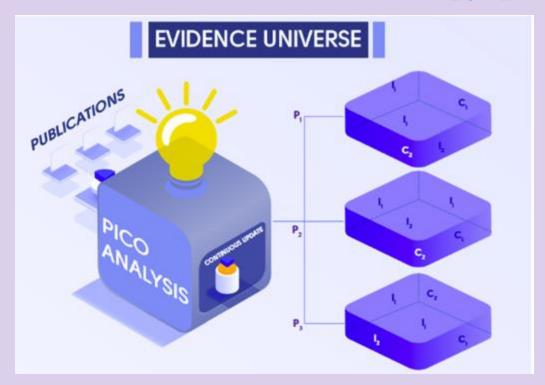
Future of Evidence Ecosystem Series: Evidence synthesis 2.0: when systematic, scoping, rapid, living, and overviews of reviews come together

Elie A. Akl 🖇 🖾 • Neal R. Haddaway • Gabriel Rada • Tamara Lotfi

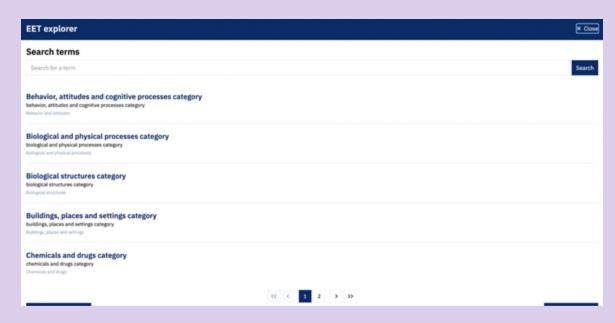
An aspirational model of evidence synthesis that may not only provide a holistic solution to the shortfalls, but can also bring us closer to the ideal model. We describe the 'evidence universe' required for evidence synthesis 2.0, how to build it, and how to use it.

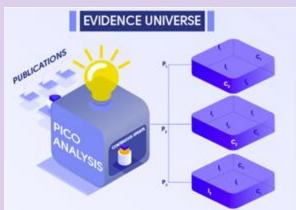


The 'evidence universe' would be the environment that both emanates from and facilitates 'evidence synthesis 2.0'.



EET (Epistemonikos' Evidence Terms) is the controlled vocabulary developed by Epistemonikos Foundation. It is used for indexing articles in Epistemonikos' Databases







SK platform Tools





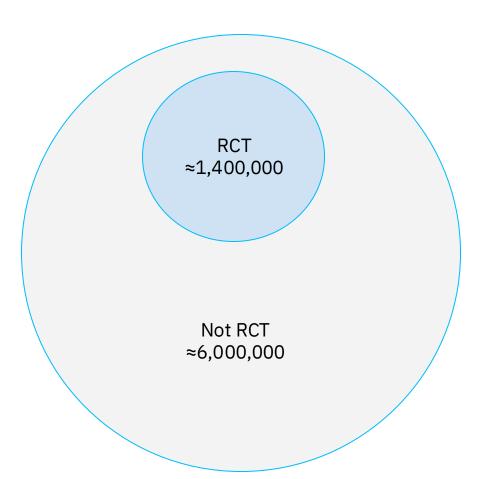
SK Platform

Initiating the SK platform from ED-Trials

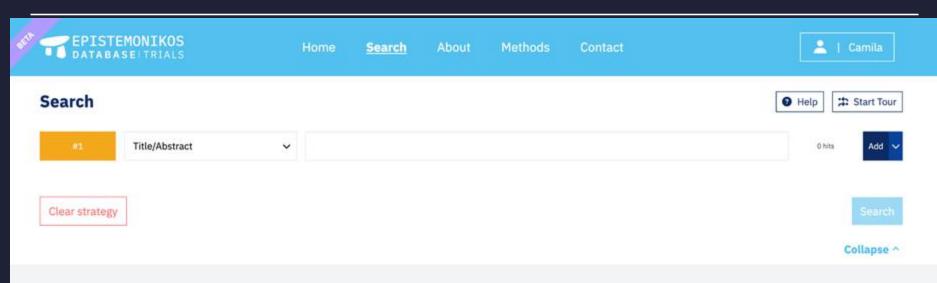




The **Epistemonikos Database of Trials** is a comprehensive, freely accessible database of bibliographic reports of randomized trials.



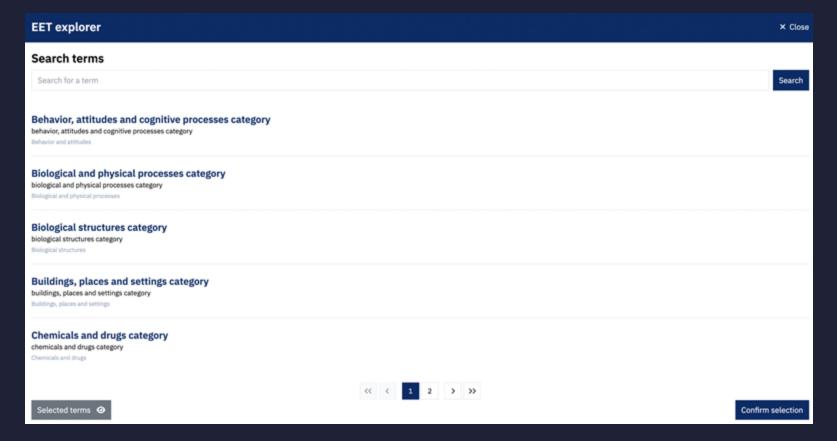




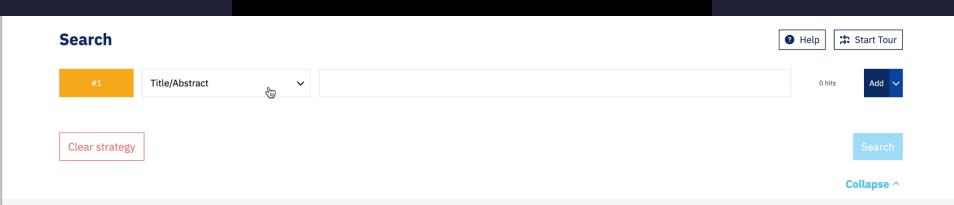
The **Epistemonikos Database of Trials** contains over **1,350,000** records of randomized trials sourced from multiple electronic databases, preprint servers, trial registries, and other sources. Notable sources include randomized trials included in systematic reviews from the Epistemonikos Database of Systematic Reviews and trials uploaded by researchers to the Open Evidence Synthesis Data Archive (OESDA).



Taxonomy browser



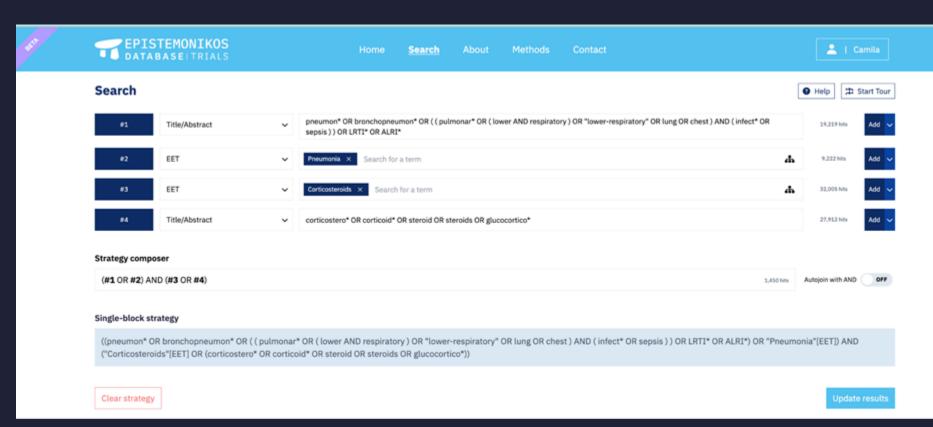


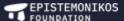


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Advanced search interface







Hom

Search

About

ethods

Contact



((pneumon* OR bronchopneumon* OR ((pulmonar* OR (lower AND respiratory) OR "lower-respiratory" OR lung OR chest) AND (infect* OR sepsis)) OR LRTI* OR ALRI*) OR "Pneumonia"... Edit query > PUBLICATION YEAR Start a Review 5 Export & Per page: 10 V All Last year Results: 1 - 10 of 1.450 Last 5 years Last 10 years Burst steroid therapy for acute heart failure: The CORTAHF randomized, open-label, pilot trial. Custom range YEAR 2024 **JOURNAL** European journal of heart failure AUTHORS Cotter G. Davison BA, Freund Y. Voors AA, Edwards C et al DOI TYPE OF PUBLICATION × AIMS Book Burst steroid therapy, effective in acute respiratory diseases, may benefit patients with acute heart failure (AHF) in whom inflammatory activation is associated with... Conference Show more ~ Journal Pre-print Registry of Trials ☐ Effects of a pro-resolving drug in COVID-19: preclinical studies to a randomized, placebo-controlled, phase Ib/IIa trial in Report hospitalized patients Thesis YEAR 2824 Unpublished **JOURNAL** British journal of pharmacology Web page Almeida PRJ, Periard AM, Tana FL, Avila RE, Milhorato LB et al **AUTHORS** DOI INTRODUCTION Pro-resolving molecules may curb disease caused by viruses without altering the capacity of the host to deal with infection. AP1189 is a melanocortin receptor-biase... Show more -





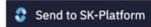
Get started on your evidence review with the SK platform.

After logging in or registering on the SK platform, it will seamlessly connect to your search in the Epistemonikos Database of Trials, ensuring that any new articles matching your criteria are readily available.

Your search strategy:

((pneumon* OR bronchopneumon* OR ((pulmonar* OR (lower AND respiratory) OR "lower-respiratory" OR lung OR chest) AND (infect* OR sepsis)) OR LRTI* OR ALRI*) OR "Pneumonia"[EET]) AND ("Corticosteroids"[EET] OR (corticostero* OR corticoid* OR steroid OR steroids OR glucocortico*))

Cancel

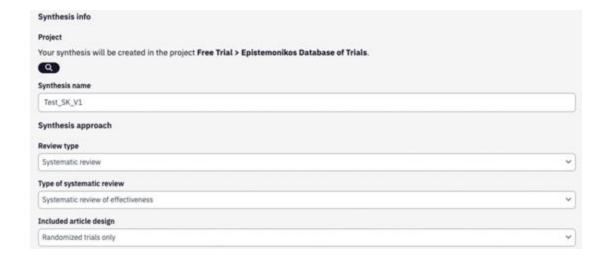


Search results are automatically sent to the SK Platform and linked via API for seamless future updates.



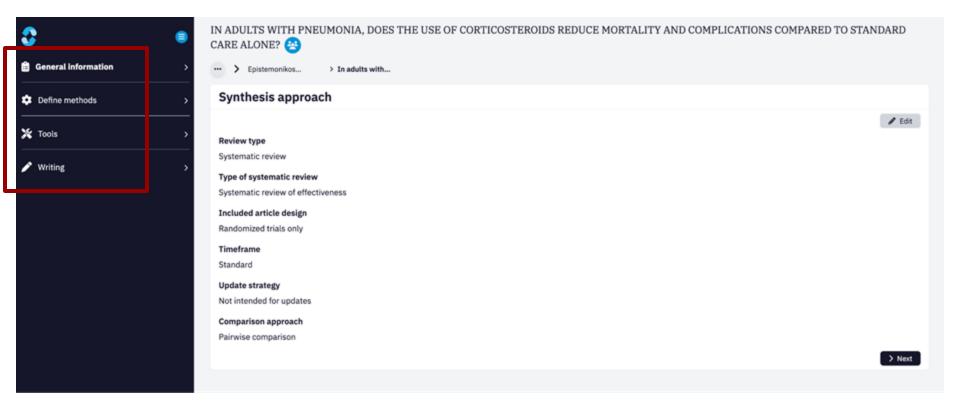
Select the type of synthesis

 Only one option available at this moment, in connection with ED-Trials



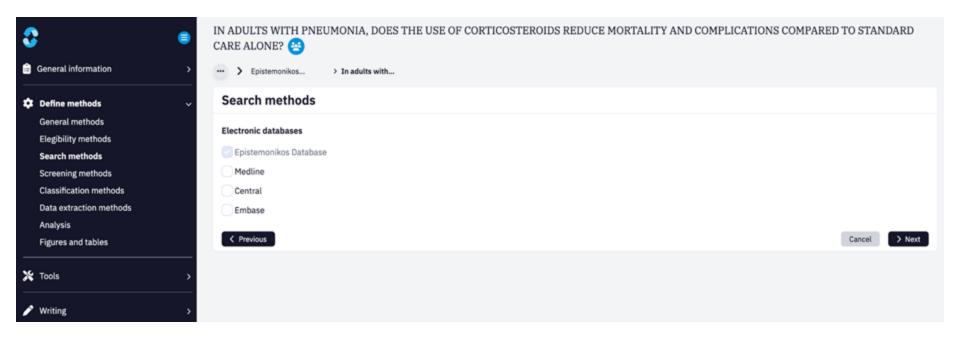


General information





Define Methods



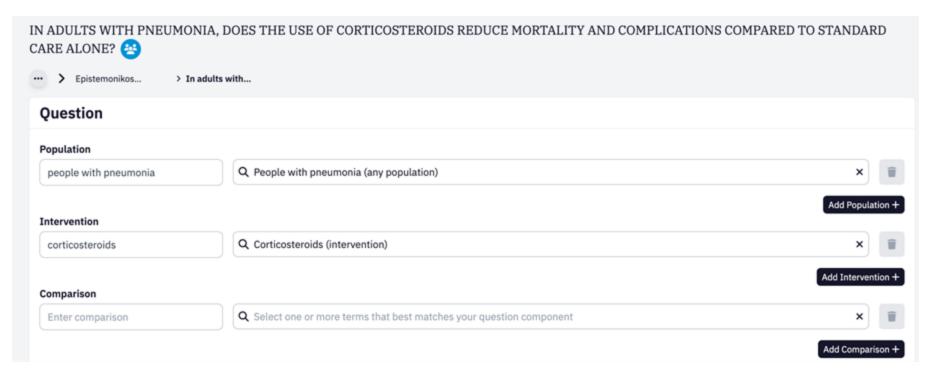


TOOLS



Question

Formulation of the PICO question/ MATCH between your question and the knowledge base

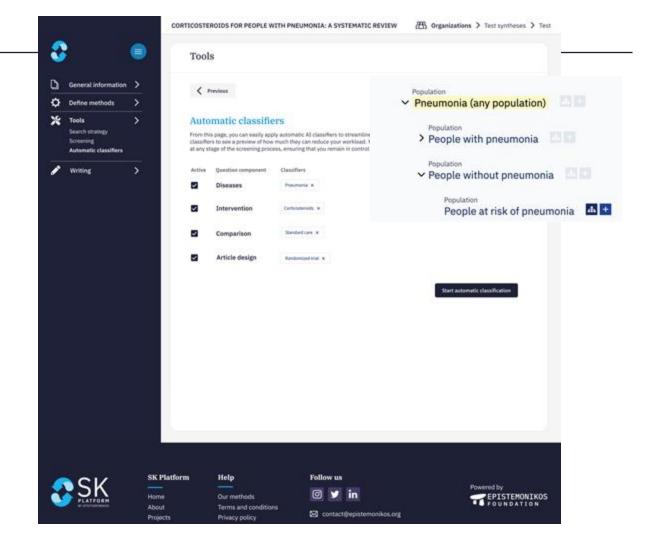




Automated classifiers

Al classifiers to facilitate the reference screening process (i.e. reduce the workload of screening)

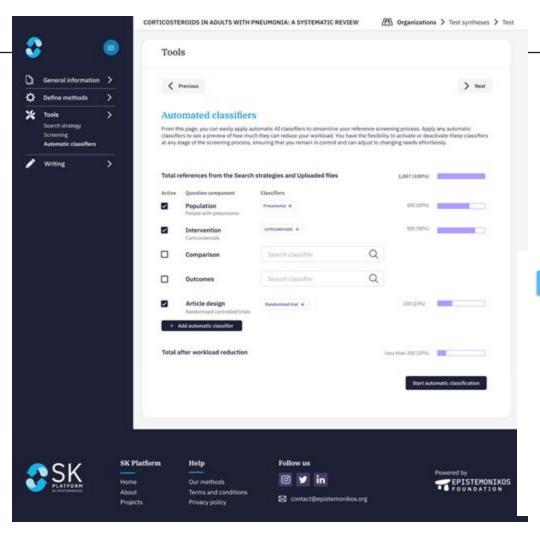
Individual classifiers for each component



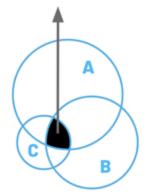


Automated classifiers

Flexibility to activate or deactivate the classifiers at any stage of the screening process.



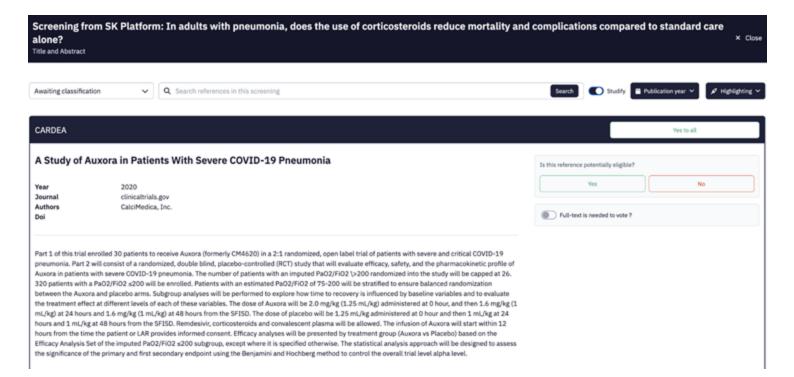
95% reduction





SK Screening Tool

If classifiers applied, you start screening the remaining references. Studified screening also available

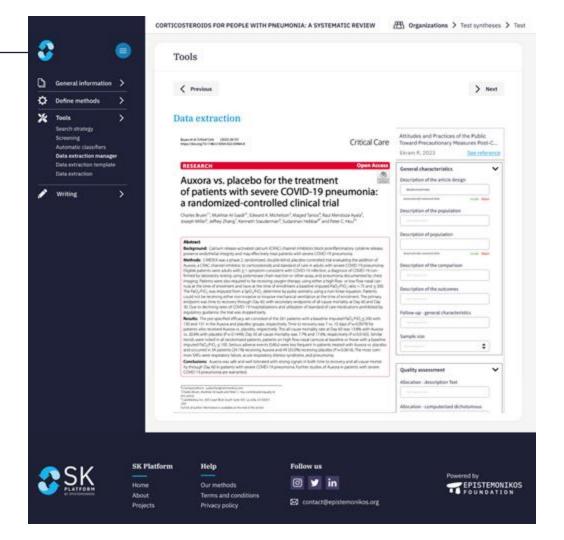


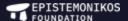


Data extraction

Al classifiers generate a draft for each element selected

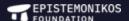
Pre-designed templates available.





Tools: already available

- Boolean search assistant (available in Epistemonikos' Databases)
- Automated retrieval of results via API (Epistemonikos and Pubmed)
- RIS upload from main databases
- Automated deduplication
- AI classifiers / other technologies / OESDA
- Screening



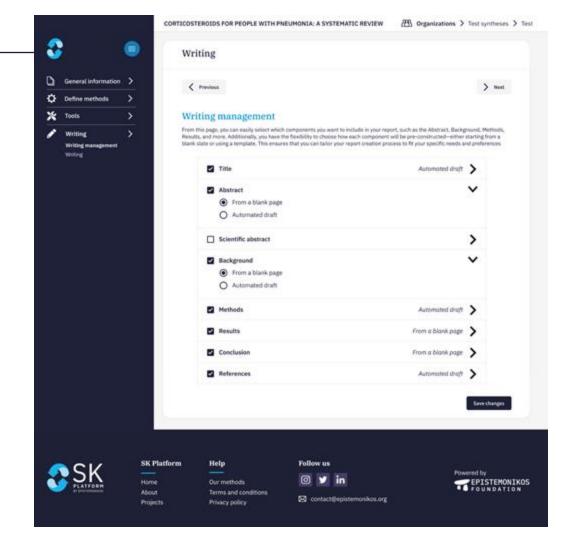
Tools available with support

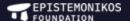
- Other types of reviews
- Upload of references from non-standard sources
- Studies included in other reviews
- Review of references
- Review of other publications of the included trials
- AI assisted data extraction
- Analysis and generation of figures (PRISMA, Forest plot, RoB figures, Maps.
- SoF tables and interactive SoF tables.



Writing section

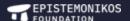
- Generation of an automated report.
- Includes a written
 PRISMA flow diagram
 to summarize the
 selection process, and
 the search strategy.
 This report can be
 manually edited on the
 platform if necessary.





Writing

- Automated draft writing
- Generation of an interactive web version of the review in our interactive Evidence Synthesis (iES) tool





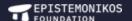
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CONTAC









WS: The Sustainable Knowledge Platform for Evidence Synthesis Product Thursday, Sep 12, 2024 14:00 - 15:30

Hall G7





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Instagram: @enistemonikosorg