

# ELSO – Scientific Oversight Committee

---

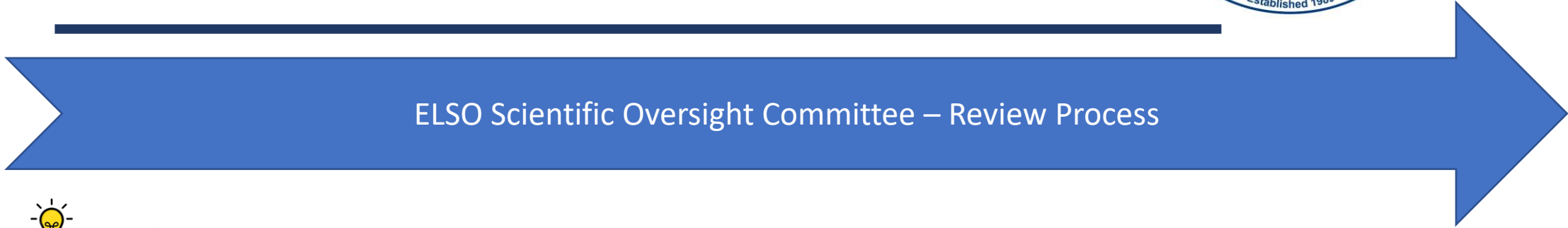


Marc Anders, MD – Co-Chair ELSO SOC

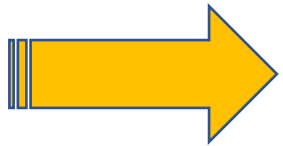
Aparna Hoskote, MD – Co-Chair ELSO SOC

KR Ramanathan, MD – Co-Chair ELSO SOC

# ELSO – Data Request Process



Investigators' research ideas



The screenshot shows the ELSO website navigation menu. The 'Registry' dropdown menu is open, and 'Data Request' is highlighted with a yellow circle. Other menu items include Overview, ELSO Registry Dashboard, Full COVID 19 Registry Dashboard, International Summaries And Reports, Data Entry, Support Documents, Approved Data Requests, Quality Reporting Platform, and Registry Publications. The main content area shows 'Extracorporeal Life Support Organization (ELSO) Runs and ECLS Centers' and 'About ELSO'.

Investigators want to file an ELSO registry related research idea → <https://www.else.org/Registry/DataRequest.aspx>

# ELSO – Data Policy



## ELSO Scientific Oversight Committee – Review Process



Investigators' research idea



ECMO | Extracorporeal Membrane Oxygenation

### ELSO Registry Data Policy and Data Requests

The purpose of the ELSO Registry is to provide member institutions ("Centers") with data to improve the quality of care to patients. Data submitted by Centers to the Registry includes personally identifiable information: gender, race, nature, and severity of illness, technical details of extracorporeal support used, dates of service, complications, and outcomes. For data request submissions or questions, email to [ELSODataRequest@elso.org](mailto:ELSODataRequest@elso.org).

Data Policy

Download Data Policy

Data Request for Publication

Learn More

Download data request for publication form

Data Request for Internal Use

Download not for publication data request form

Familiarize with our data policy → <https://www.elso.org/Portals/0/Files/ELSODataPolicy20221006.pdf>

# ELSO – Data Policy



ELSO Scientific Oversight Committee – Review Process



## *Extracorporeal Life Support Organization* Registry Data: Access, Requests, and Publication Policy

Investigators'  
research idea

### OVERVIEW

The purpose of the ELSO Registry ("Registry") is to provide ELSO members with data to improve the quality of care to patients requiring ECLS support. Data submitted by Centers to the Registry includes personally identifiable information including date of birth, sex, race, main diagnoses and comorbidities, pre ECLS support, technical details of extracorporeal support, duration of ECLS, complications, and outcomes. All collected data is listed in the ELSO ECLS registry forms and addenda (<https://www.else.org/Registry/DataDefinitions,Forms,Instructions.aspx>) completed by ELSO Centers when they submit data. All data provided to centers, regulatory bodies, industry, researchers by ELSO is de-identified.

### RELEASE of ELSO REGISTRY DATA

- The ELSO Registry will release only de-identified data on approval by the **Scientific Oversight Committee (SOC)**, <https://www.else.org/AboutUs/Committees/Registry.aspx>, and / or **Large Dataset Committee (LDS)**. Any ELSO Centre identifiers, specific dates of ECLS support or any equipment or manufacturer details will not be released.

# ELSO – Data Request Process



ELSO Scientific Oversight Committee – Review Process



Investigators' research idea



ECMO | Extracorporeal Membrane Oxygenation

## ELSO Registry Data Policy and Data Requests

The purpose of the ELSO Registry is to provide member institutions ("Centers") with data to improve the quality of care to patients. Data submitted by Centers to the Registry includes personally identifiable information: gender, race, nature, and severity of illness, technical details of extracorporeal support used, dates of service, complications, and outcomes. For data request submissions or questions, email to [ELSODataRequest@elso.org](mailto:ELSODataRequest@elso.org).

Data Policy

Download Data Policy

Data Request for Publication

Learn More

Download data request for publication form

Data Request for Internal Use

Download not for publication data request form

Go to Data Request for publication → <https://www.elso.org/Registry/ELSODataRequestsInstructions.aspx>

Only for internal data request → [https://www.elso.org/Portals/0/ECLS%20Data%20Request%20Form%20Internal%20Use%20Only%20-%20Not%20for%20Publication%202022-02-28\\_protected.docx](https://www.elso.org/Portals/0/ECLS%20Data%20Request%20Form%20Internal%20Use%20Only%20-%20Not%20for%20Publication%202022-02-28_protected.docx)

# ELSO – Data Request Process



## ELSO Scientific Oversight Committee – Review Process



Investigators'  
research idea



ECMO | Extracorporeal Membrane Oxygenation

### Submitting an ELSO Data Request for Publication

For data requests aimed for publication, ELSO requires an approved ELSO data request by the Scientific Oversight Committee (SOC). The SOC meets monthly for evaluation of submitted data requests. The release will be based on the impact of the intended research. ELSO Registry will release large datasets to investigators for purposes of important research. Release will be based on the impact of the intended research.

#### What SOC Reviewers Look For

Careful preparation and an understanding of how your application will be reviewed can help you build a solid application. During the SOC review process, we convene a panel of selected SOC members to review your application. Although several factors contribute to whether your application will be approved, we place great emphasis on the review of scientific merit. The following sections describe the criteria reviewers employ to evaluate applications. Read them carefully for helpful hints on the information and content you should include in the application to garner a favorable evaluation.

#### Overall Impact

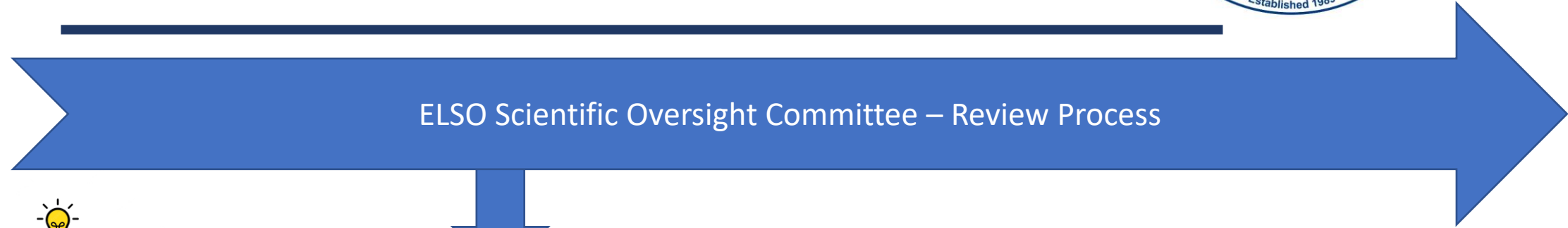
Reviewers will provide an overall impact score to reflect their assessment of the likelihood for the project to exert a sustained, powerful influence on the research field(s) involved, in consideration of the following review criteria, and additional review criteria (as applicable for the project proposed)

#### Scored Review Criteria

Reviewers will consider each of the review criteria below in the determination of scientific and technical merit and give a separate score for each. An application does not need to be strong in all categories to be judged likely to have a major scientific impact. For example, a project that by its nature is not innovative may be essential to advance a field.

***How to submit a request and what reviewers are looking for.***

# ELSO – Evaluation criteria

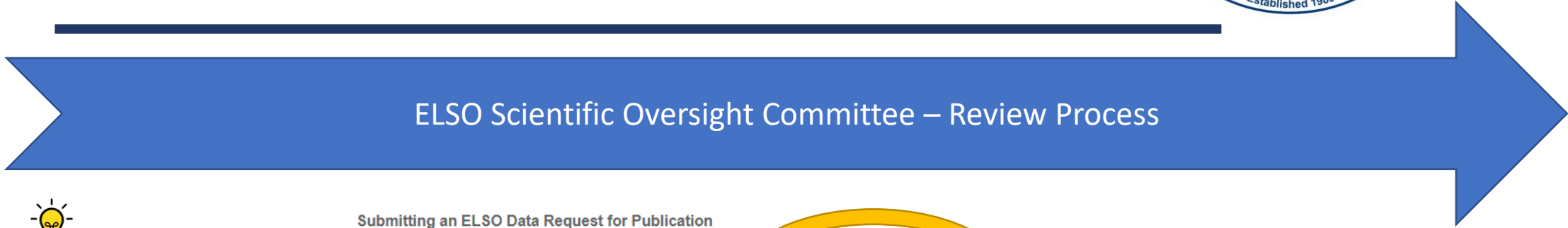


ELSO Scientific Oversight Committee – Review Process

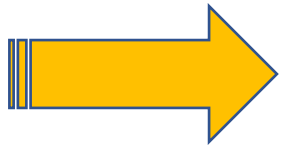


<b>Significance</b>	Does the project address an important problem or a critical barrier to progress in the field? Is there a strong scientific premise for the project? Whether is the proposal is unique/ coherently written or vague in addition to whether it is topical and feasible from a registry point of view.
<b>Investigator(s)</b>	Are the PD/Pis, collaborators, and other researchers well suited to the project? Have the investigators analyzed ELSO data or performed large dataset analysis prior?
<b>Background</b>	Is the published/presented data in the background section sufficient to highlight the need for this research question? Have any previous ELSO reviews been published?
<b>Statistics and Methods</b>	The research plan describes the proposed research, stating its significance and how it will be conducted. Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Have the investigators presented strategies to ensure a robust and unbiased approach, as appropriate for the work proposed? Have the investigators outlined a comprehensive statistical analysis plan, which would assure an appropriate data analysis? Note that an application does not need to be strong in all categories to be judged likely to have a major scientific impact. For example, a project that by its nature is not innovative may be essential to advance a field.

# ELSO – Large Dataset Policy



Investigators' research idea



Submitting an ELSO Data Request for Publication

**Large Dataset Policy**

Research requests that include large amount of ELSO data based on examples such as:

- Population and indication: all pediatric cases of respiratory failure; all neonates with cardiac indication
- Mode: all adults with VV ECMO
- Research: control population from ELSO data
- Requests deemed by the registry as including large proportion of the registry data
- Any study requiring an anonymized center identifier

[Download Large Dataset agreement](#)

**Data Request for Publication**

[Download data request for publication form](#)

**For data request submissions or questions, email to [ELSODataRequest@elso.org](mailto:ELSODataRequest@elso.org).**

***If your data request does meet pre-defined criteria, we will review in the SOC and LDS meetings.***



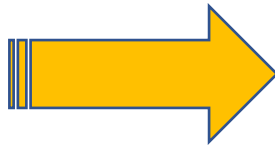
# ELSO – Data Request Form



ELSO Scientific Oversight Committee – Review Process



Investigators' research idea



Data Request for Publication

[Download data request for publication form](#)

Sample Data Requests

Data request for Publication download:  
ECMO for COVID-19 during pregnancy

Video library on submitting a data request

[View videos](#)

# ELSO – Data Request Process



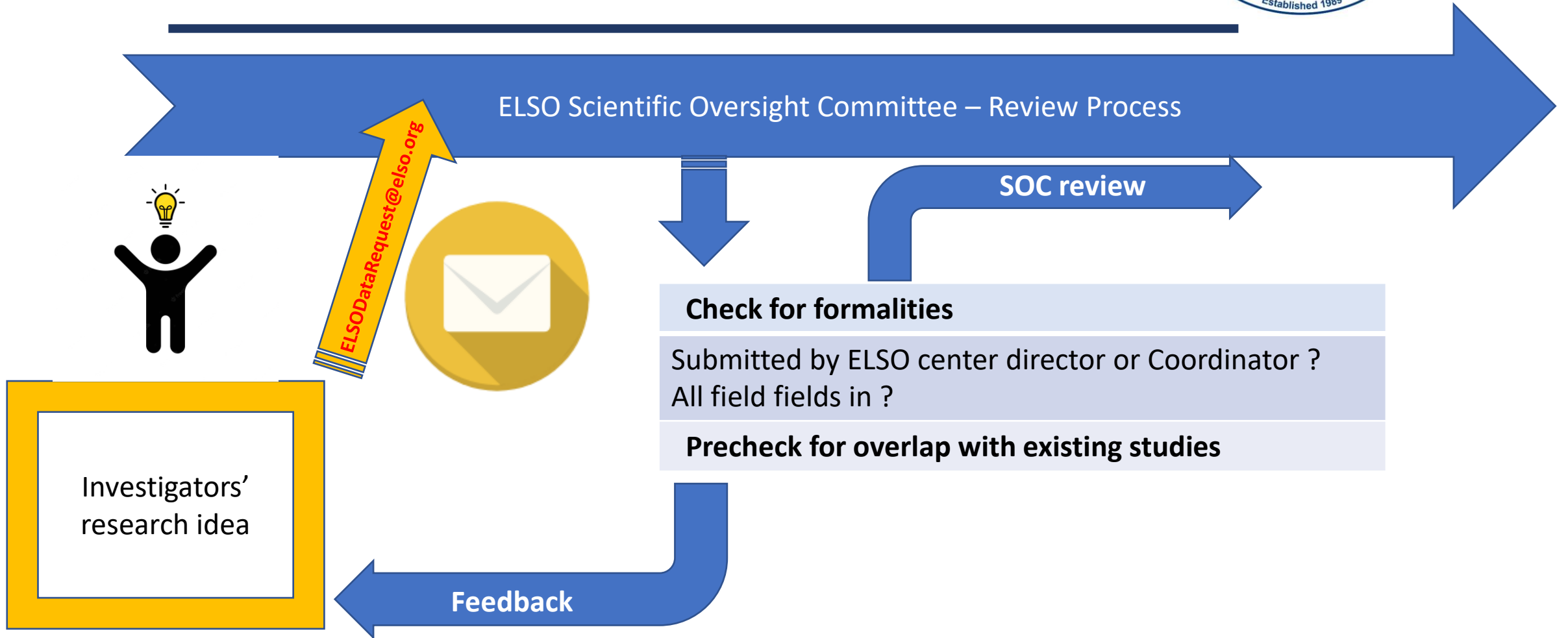
ELSO Scientific Oversight Committee – Review Process



Investigators'  
research idea

Submit your ELSO data requests to [ELSODATAREQUEST@ELSO.ORG](mailto:ELSODATAREQUEST@ELSO.ORG)

# ELSO – Data Request Process



***Make sure it is signed and submitted by the registered ELSO center director or coordinator.  
On initial pre-SOC review, we also check for completion of the form***

# ELSO – The SOC



Investigators' research idea



## Allocation

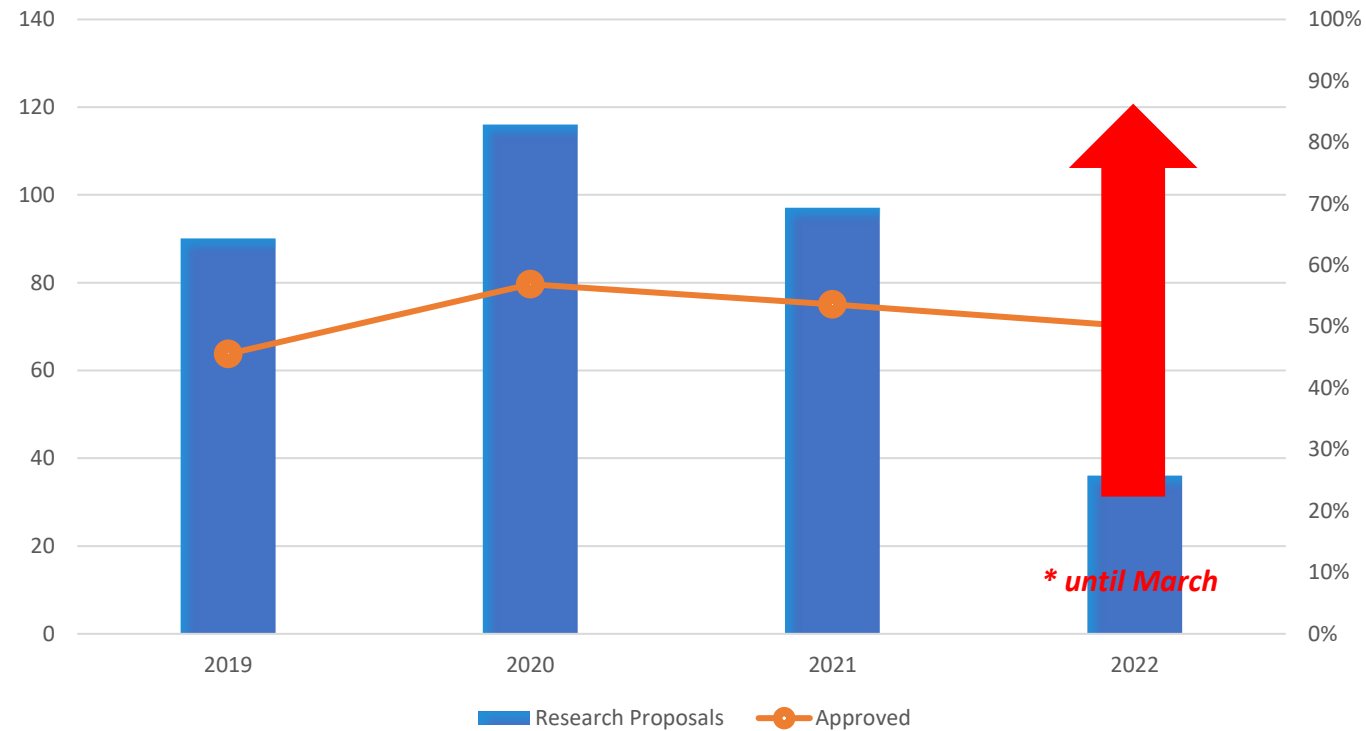
- Three independent international reviewers
- Specialist in the field
- No conflict of interest to the proposal

## Pre-Online Evaluation (Scoring)

- Significance
- Background
- PI(s)
- Statistics / Feasibility

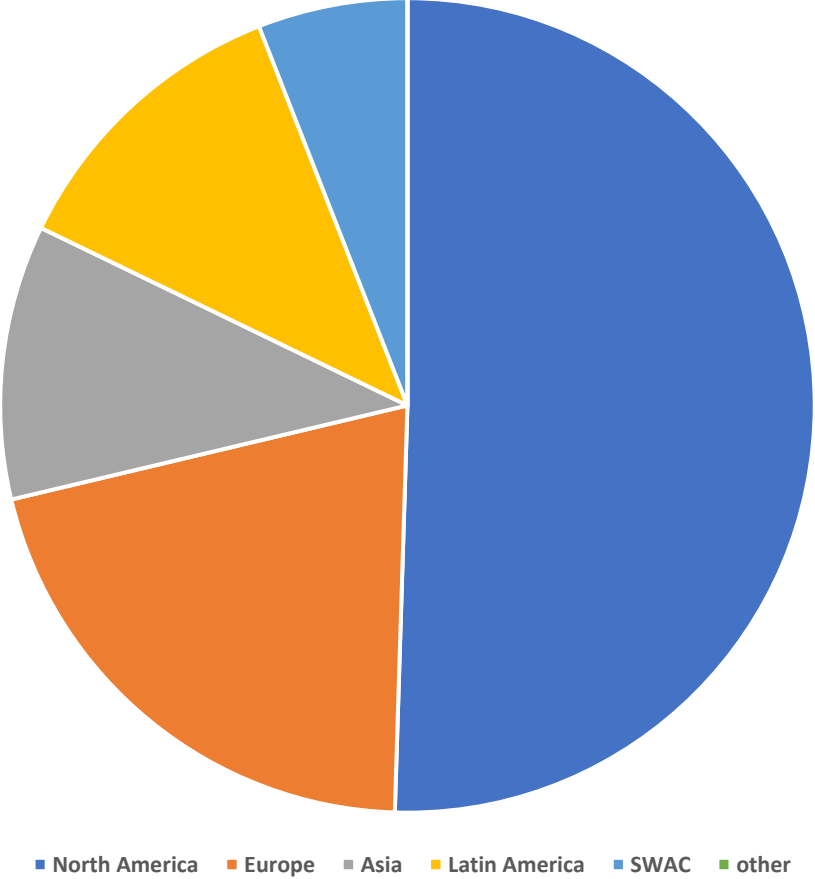
*Your data request is evaluated prior the SOC meeting by 3 independent reviewers, specialist in the field of ECMO and ELSO*

# ELSO – Data Requests filed



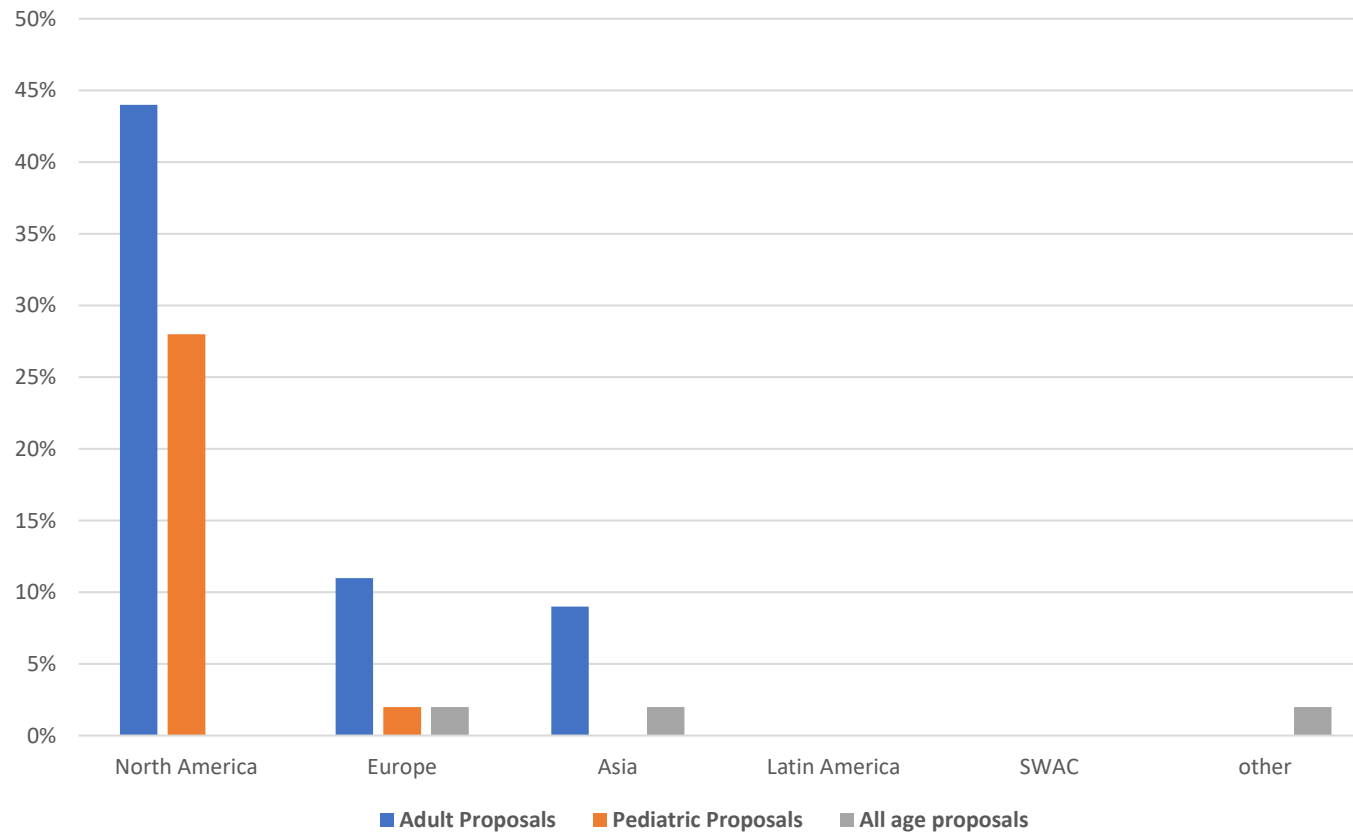
***ELSO registry receives about 90 – 120 data requests each year. Investigator proposals are approved in 50 – 60%.***

# ELSO – Submissions by Chapter



***The majority of proposals are submitted by US ELSO centers, but international collaboration and submissions are encouraged and always welcomed.***

# ELSO – Submissions by Age



***The majority of ELSO registry data requests are targeting are adult ECMO population.***

# ELSO – Data Request Process



Investigators' research idea

## Allocation

- Three independent international reviewers
- Specialist in the field
- No conflict of interest to the proposal

## Pre-Online Evaluation (Scoring)

- Significance
- Background
- PI(s)
- Statistics / Feasibility

## Monthly live SOC online meeting

- Presentations of the research proposals

*Every individual proposal is discussed at our ELSO SOC meetings with consideration of the scores and comments of the pre SOC online evaluations.*



# ELSO – ELSO SOC Chairs

---



Dr. Aparna Hoskote



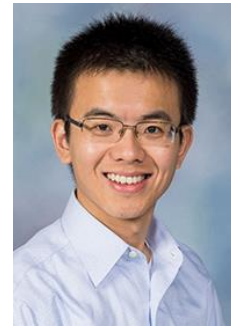
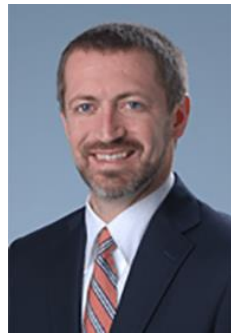
Dr. Ramanathan K. R



Dr. Marc Anders

***Our ELSO registry SOC chairs 2021 – 2023.***

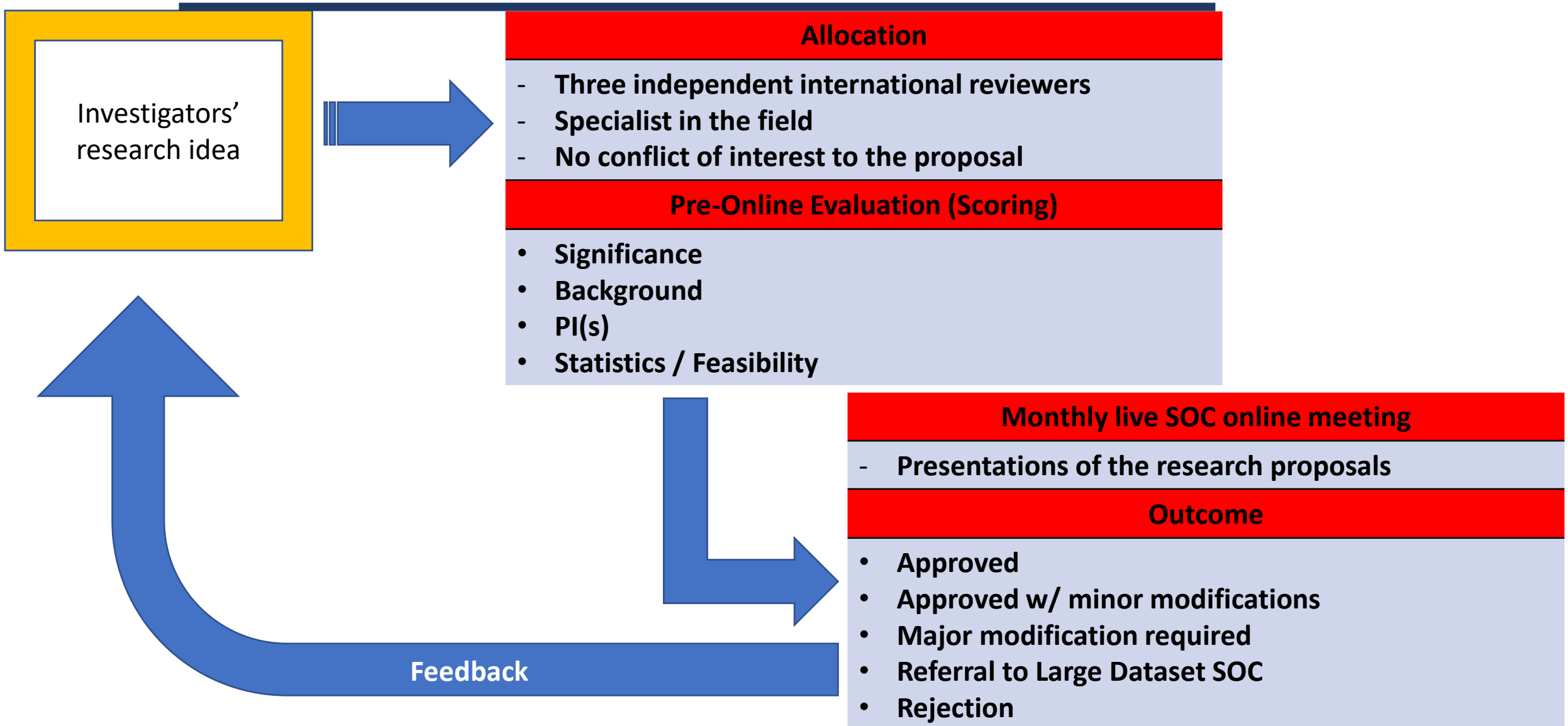
# ELSO – ELSO SOC Members



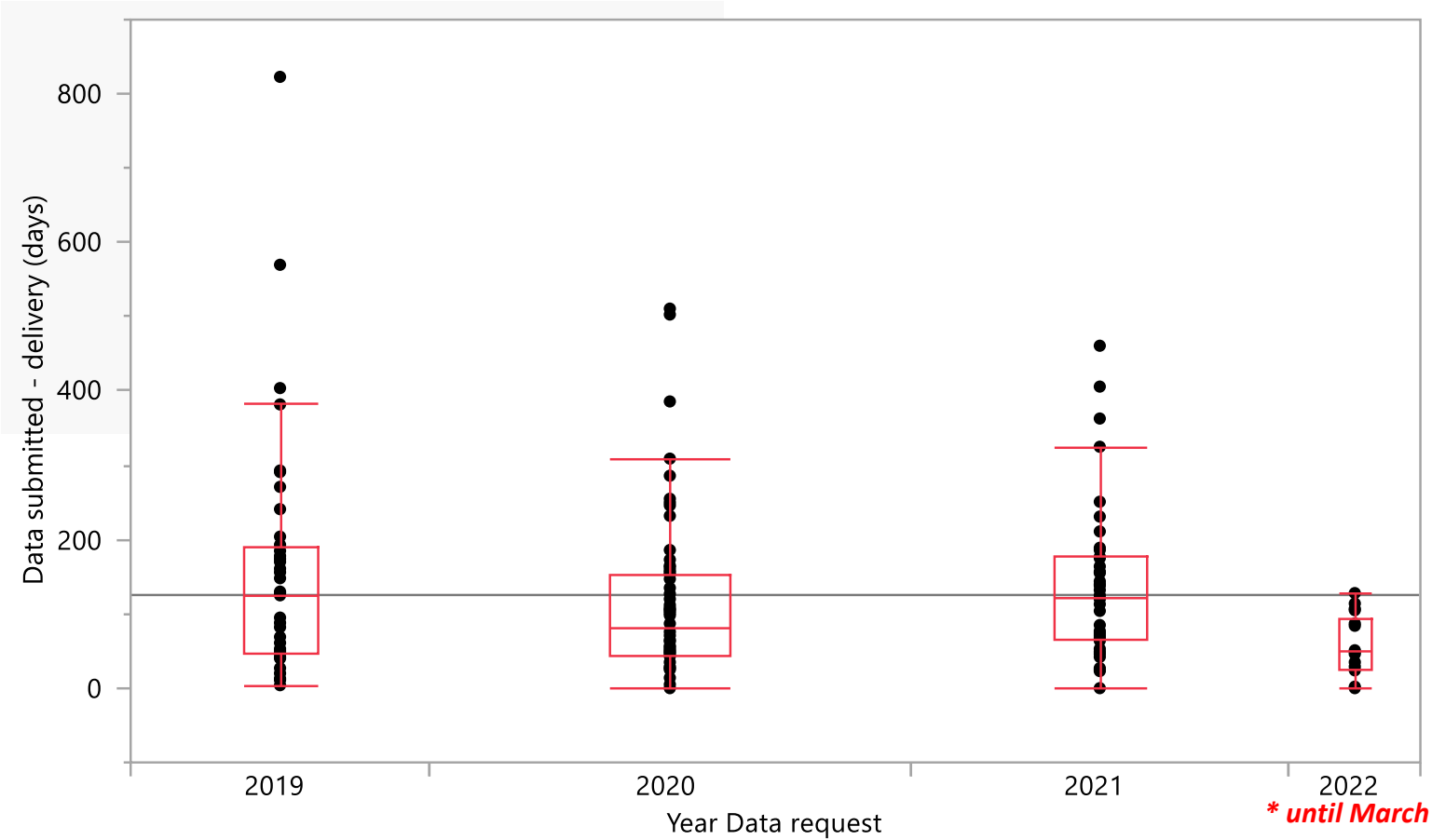
## The Scientific Oversight Committee

- International SOC members
- Specialists in ECMO care
- Statistician / AI

# ELSO – Data Request Process



# ELSO – Median Time to Data Release



Median Time to data release 4.2  
(months)

2.7

4.0

1.7

\* until March

***Our aim is to assess and respond to your research proposal with data release, if approved within 60 days.***

# ELSO – The SOC process Summary

---



**is diverse**

**multiple specialities**

**is objective**

**minimum 3 reviewers**

**is efficient**

**Monthly SOC and LDS  
SOC meetings**

*Our SOC review process is diverse, objective and efficient. For any questions, please email [ELSODATAREQUESTS@ELSO.ORG](mailto:ELSODATAREQUESTS@ELSO.ORG)*