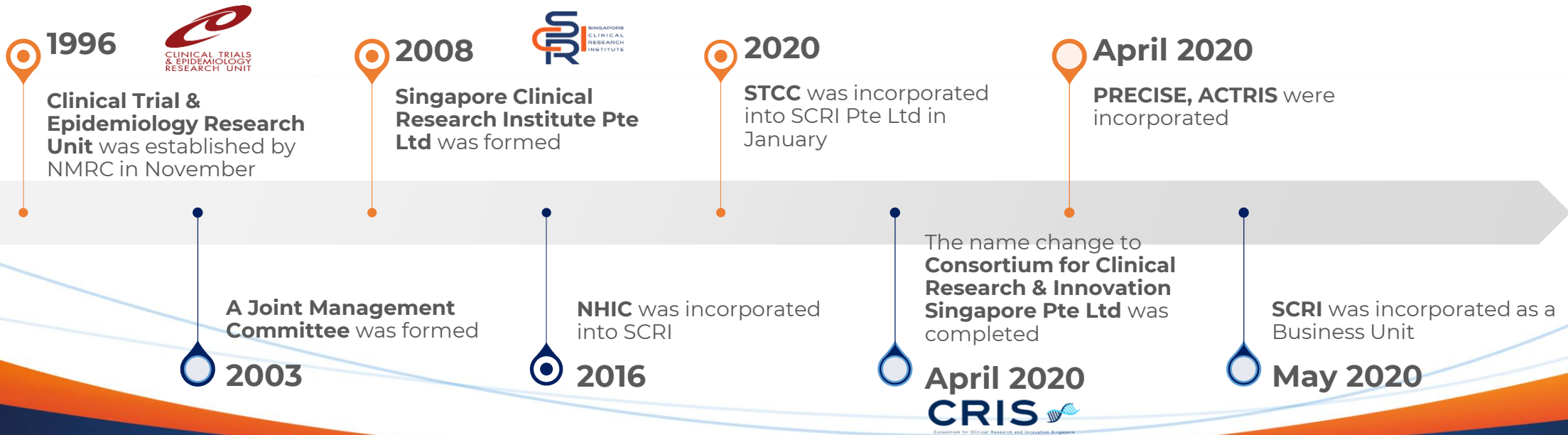# NMRC GRANT CALL

MAY-2021

ABOUT SCRI

Vision
- To be the ASEAN hub of academically oriented clinical research efforts

Mission
- To spearhead and develop core capabilities, infrastructure and scientific leadership for clinical research in Singapore

1996

CLINICAL TRIALS & EPIDEMIOLOGY RESEARCH UNIT

Clinical Trial & Epidemiology Research Unit was established by NMRC in November

2008

SINGAPORE CLINICAL RESEARCH INSTITUTE

Singapore Clinical Research Institute Pte Ltd was formed

2020

STCC was incorporated into SCRI Pte Ltd in January

April 2020

PRECISE, ACTRIS were incorporated

A Joint Management Committee was formed

2003

NHIC was incorporated into SCRI

2016

The name change to **Consortium for Clinical Research & Innovation Singapore Pte Ltd** was completed

April 2020

CRIS
Consortium for Clinical Research and Innovation Singapore

SCRI was incorporated as a Business Unit

May 2020

SCRI AT A GLANCE (Y2018 – 2020)

SINGAPORE CLINICAL RESEARCH INSTITUTE

93 Active Studies

- **77** distinct PIs out of 93 active studies
- **42** interventional studies and **27** observational/ registry studies

1. Pre-Grant/ Concept Generation

Services provided:
- Biostatistics
- Epidemiology
- Data Management
- Project Management

139 pre-grant support provided from 2018 to 2020 (approximately 2/3 of PIs continued to work with SCRI upon successful award of grant)

>$5m of successful grant awarded from 2018 to 2020 (some are pending results)

2. Study Execution

Services provided:
- Data Management
- Project Management
- Research Informatics
- Research Monitoring

61 new research operations contracts signed from 2018 to 2020

$1.5m of new contracts in the provision of research ops services from 2018 to 2020

3. Analysis/ Reporting

Services provided:
- Biostatistics
- Epidemiology

116 journal publications from 2018 to 2020

51 out of 116 publications have Impact Factors of greater than 3

4. Key Enablers: Clinical Research Networks/ SCRI Academy/ National Clinical Trial Coordination

SCRI EXPERTISE

- Strong experience with IIT & IST, especially **multi cluster/ site trials**

- Ability to work with **vendors/ CROs/ networks**

- Ability to support **multicentre trial studies** & **support multiple therapeutic areas**

- Ability to provide support to Young Investigators

- Ability to **provide flexible services & quick start up time**

- Ability to **provide cost effective clinical research services**

- Provision of **in-house Randomisation system**

- Ability to **provide customised and high quality services**

- Ability to **train investigation site personnel to fulfil study requirements**

SCRI EXPERTISE

Niche Areas where SCRI HEOR Supports

Unique HEOR support from SCRI
- Multi-centre HSR studies
- HEE alongside RCTs
- HEE alongside diagnostic test accuracy (DTA) studies

All needed skills & expertise under one roof
- Design for clinical research and health economic evaluation, database development, data management, project management, research monitoring, data analysis and reporting
- Efficient team work and one-stop collaboration

FOR MORE INFORMATION, PLEASE CONTACT US AT:

Email: contact@scri.cris.sg

Address: 31 Biopolis Way

                Nanos #02-01

                Singapore 138669

ANNEXES

01

PRE-GRANT/ CONCEPT GENERATION

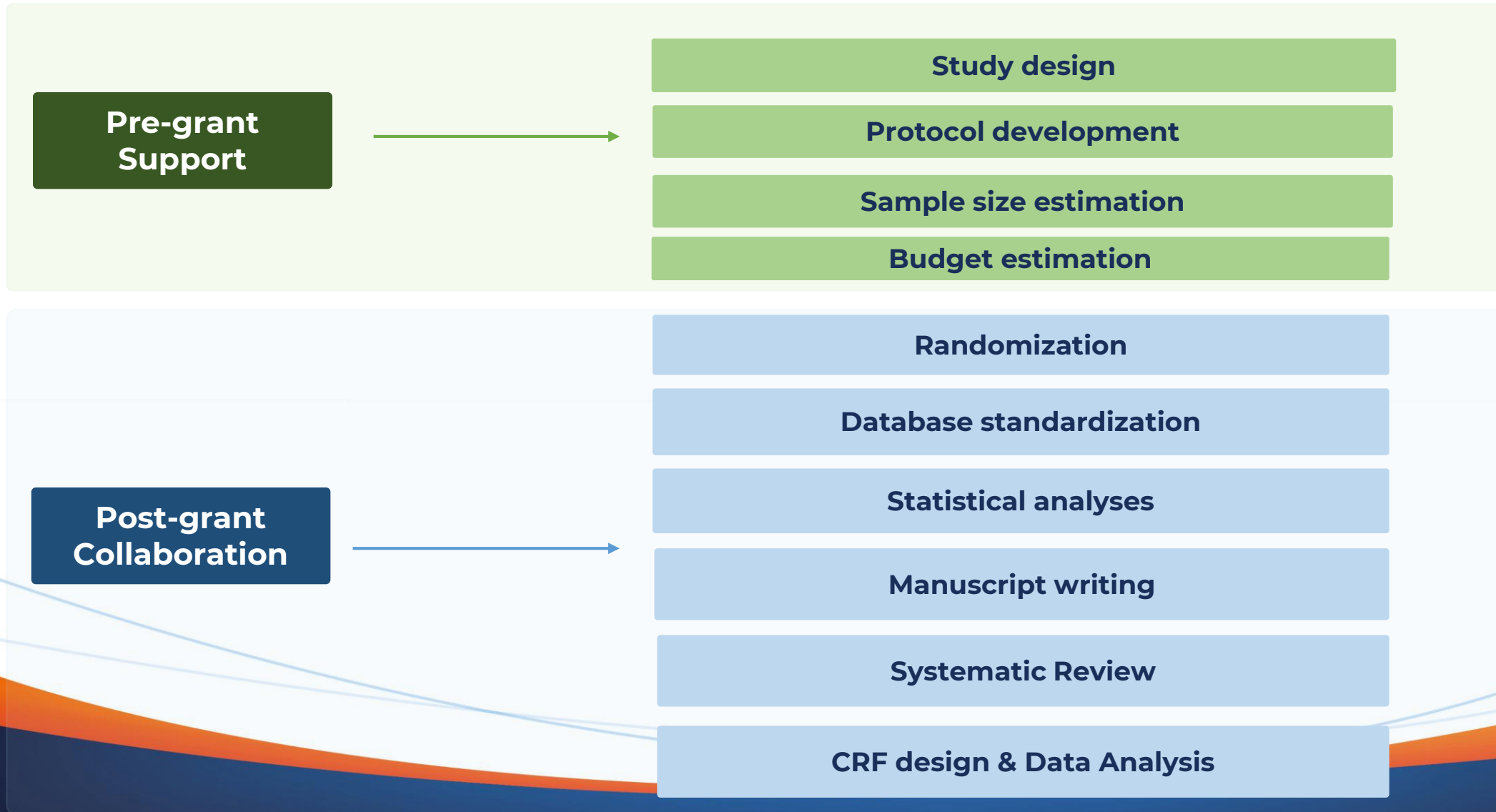Supported by our Epidemiology, Biostatistics, Data Management & Project Management teams

| 1. Pre-Grant/ Concept Generation | 2. Execution | 3. Analysis/ Reporting | 4. Clinical Research Networks |

1. PRE-GRANT/ CONCEPT GENERATION FUNCTIONS

Pre-grant Support →
- Study design
- Protocol development
- Sample size estimation
- Budget estimation

Post-grant Collaboration →
- Randomization
- Database standardization
- Statistical analyses
- Manuscript writing
- Systematic Review
- CRF design & Data Analysis

02

STUDY EXECUTION

Supported by our Data Management, Project Management, Research Informatics & Research Monitoring teams

1. Pre-Grant/ Concept Generation | 2. Execution | 3. Analysis/ Reporting | 4. Clinical Research Networks

02. STUDY EXECUTION FUNCTIONS

Project Management

Overall Project Management

- Planning and organisation,monitoring and control of projects from study feasibility to close out

- Managing budget, scope, timeline, risk, quality, resources

- Protocol Preparation and implementation

Communication and Stakeholder Management

- Ensure that studies operations are planned properly.
- Manage key stakeholder expectations.
- Maintain communication with all stakeholders.

Research Monitoring

Clinical Trial GCP

- Ensure that all projects adheres to GCP

Nurturing Clinical Research Manpower

- Provision of training for investigator sand site personnel

Data Quality Monitoring

- Ensure that trials are in compliance with protocol, regulatory, IRBs requirement, sponsors guidelines etc.

Conduct and perform site feasibility evaluation

- Coordinate and conduct sire initiation visit

02. STUDY EXECUTION FUNCTIONS

Data Management

Access to Electronic Data Capture Platforms & Subscriptions

- Medidata Rave
- MedDRA & WHO-Drug Dictionary
- SCDM Membership

Provide advice and consultation on data management such as:

- Data cleaning strategy
- Database Selection
- CRF/ Data Design

Generate Customised Reports to increase data cleaning speed, improve data quality and enhance productivity

- Progress Report
- Data Trend Report
- Backlog Notification

Research Informatics

Information Technology

- Supply of information technology to SCRI clinical research operations to increase productivity

Study Databases

- Design and development & manage of study databases to enhance information collection efficiency

Support & Maintenance

- Provision of support & maintenance services in relation to clinical research operations
- Provision of technical and user support to clinical research operations including trouble-shooting, analysis and recovery of systems and applications

03

ANALYSIS/ REPORTING

Supported by our Epidemiology & Biostatistics teams

| 1. Pre-Grant/ Concept Generation | 2. Execution | 3. Analysis/ Reporting | 4. Clinical Research Networks |

EPIDEMIOLOGY

HEOR

- Evaluate the effectiveness of health-care interventions through improvements in patient–important outcomes (morbidity, QoL and mortality) in real-life settings

- Evaluate the efficiency, cost-effectiveness and overall value of healthcare at the micro-economic level

Real World Evidence

- Generate clinical evidence regarding the usage and potential benefits or risks of a medical product derived from analysis of RWD

- Develop guidelines and decision support tools for use in clinical practice

Systematic Review & Meta-analysis

- Cochrane Singapore

- Support local researchers contributing to filling-in knowledge gaps by taking on impactful systematic reviews

HTA/DTA

- Evaluate the properties and effects of a health technology, addressing its direct and intended effects, as well as its indirect and unintended consequences

Teaching

- Focus on training of young academic clinical investigators through delivering training workshops & providing ad-hoc consultations

- Focus on teaching cutting-edge methodologies to keep research skills updated

- Contribute to research ecosystem (ethics, grant & manuscript review activities, talent development)

03. ANALYSIS/ REPORTING FUNCTION - BIOSTATISTIC

Clinical Trials

Phase I – IV Trials
(incl. adaptive design)

Interventional Trials
(incl. cluster RCT)

MedTech Trials

Diagnostic Accuracy Studies

Diagnostic and Screening Accuracy Studies

Prognostic Index Development & Validation Studies

PRO Studies

HRQOL Measurement Studies

Health Valuation Studies

Instrument Development & Validation Studies

Study Design, Analysis Planning, Publication

04

CLINICAL RESEARCH NETWORKS

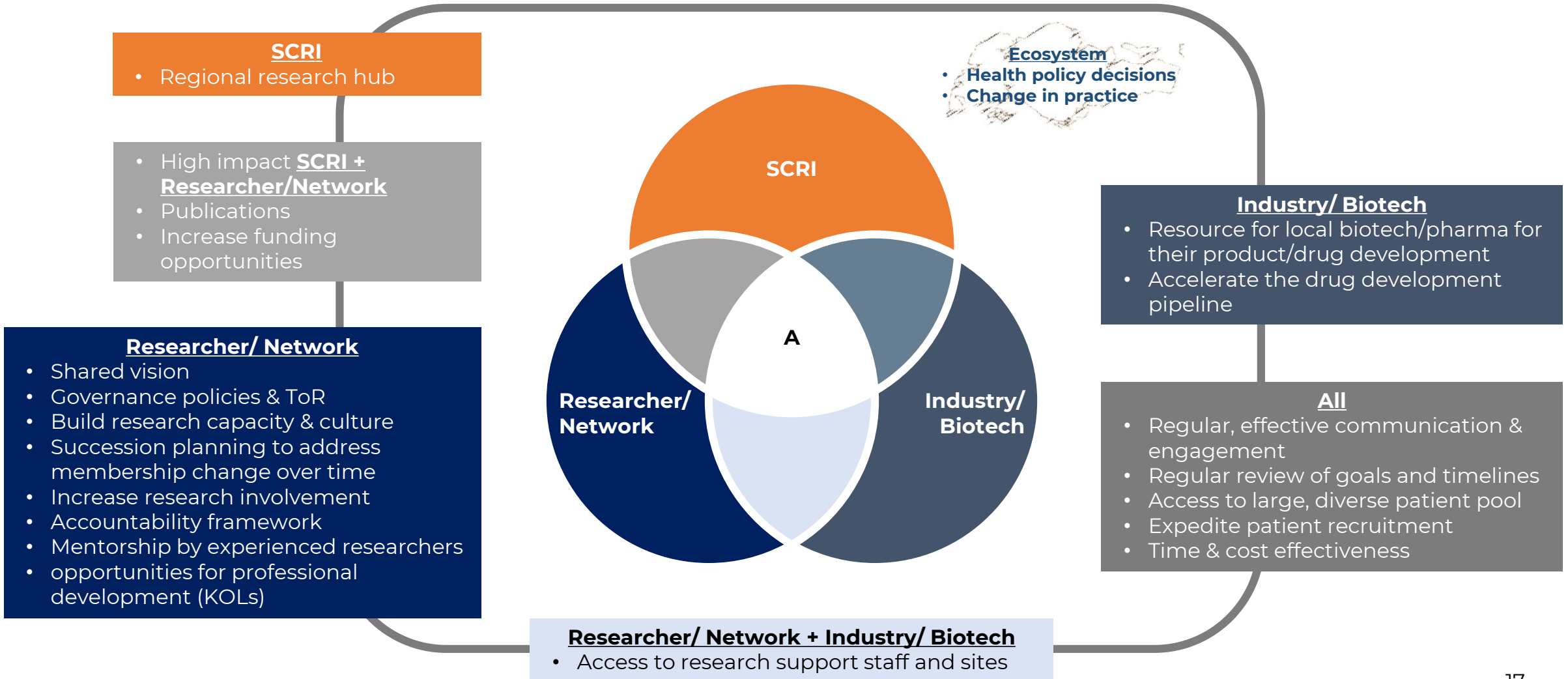Providing research infrastructure to support high quality clinical research

| 1. Pre-Grant/ Concept Generation | 2. Execution | 3. Analysis/ Reporting | 4. Clinical Research Networks |

SCRI
- Regional research hub

- High impact **SCRI + Researcher/Network**
- Publications
- Increase funding opportunities

Ecosystem
- **Health policy decisions**
- **Change in practice**

Researcher/ Network
- Shared vision
- Governance policies & ToR
- Build research capacity & culture
- Succession planning to address membership change over time
- Increase research involvement
- Accountability framework
- Mentorship by experienced researchers
- opportunities for professional development (KOLs)

Industry/ Biotech
- Resource for local biotech/pharma for their product/drug development
- Accelerate the drug development pipeline

All
- Regular, effective communication & engagement
- Regular review of goals and timelines
- Access to large, diverse patient pool
- Expedite patient recruitment
- Time & cost effectiveness

Researcher/ Network + Industry/ Biotech
- Access to research support staff and sites

THANK YOU.