





Deputy of Research & Technology
Secretariat of National Committee for
Ethics in Biomedical Research (NREC)

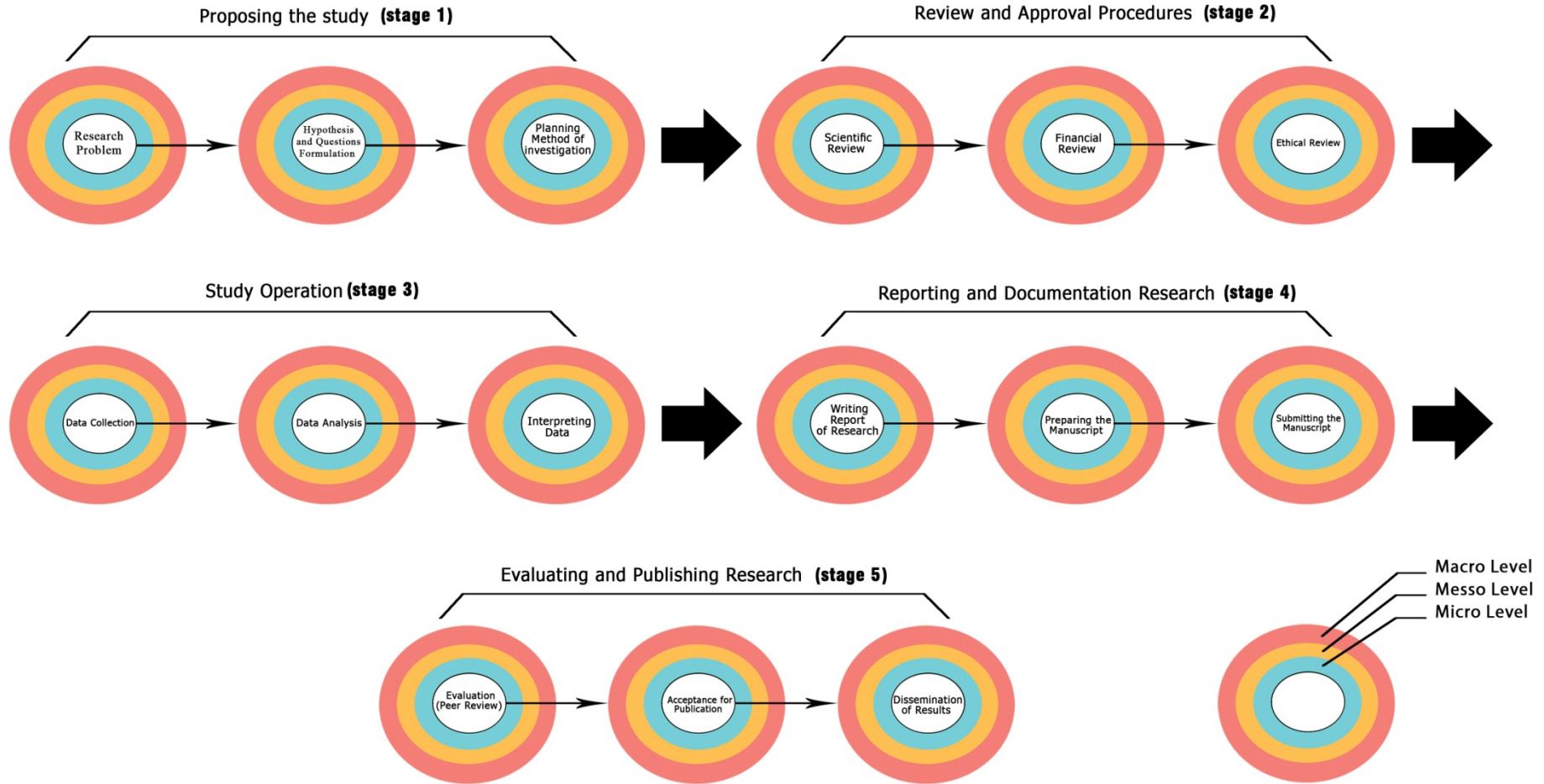
Secretary of NREC, MOHME
Ehsan Shamsi Gooshki MD/Ph.D.
Assistant Professor of Medical Ethics, TUMS



The Main Stakeholders for Ensuring Research Integrity



Research Process



CORRESPONDENCE · 07 FEBRUARY 2018

Quest for publication metrics undermines regional research

Mark Neff



Incentives for publishing in international journals could be preventing ecologists in low-income countries from conducting the research needed to protect and restore their local environments. Few scientists are willing to do time-consuming taxonomic surveys, for example, because these will not generate highly cited publications. Yet effective management is impossible without such local ecological insight.

Although reward structures for research vary substantially between and

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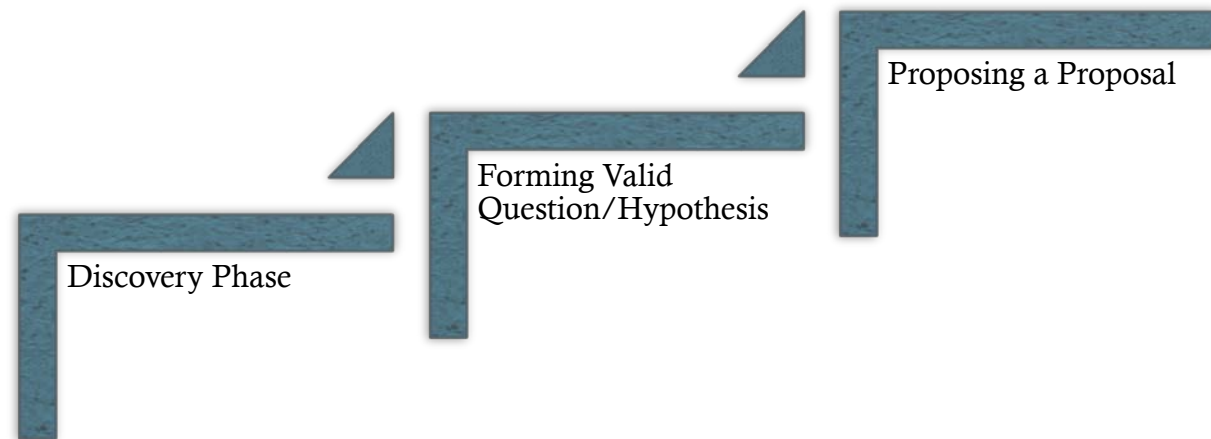
SUBJECTS

Developing world

How Researchers Start?!

Motivation behind Research:

- Solving Problems
- Graduation
- Academic Promotion
- Institutional Commitments



How traditional Chinese medicine drove the discovery of a Nobel-winning anti-malarial drug

October 8, 2015 1.21 am AEDT



Approval Process:



Principle Investigator (PI):

- The main Responsible
- Research Team Leader

Institution Review Board (IRB):

- Scientific Evaluation
- Methodology Assessment

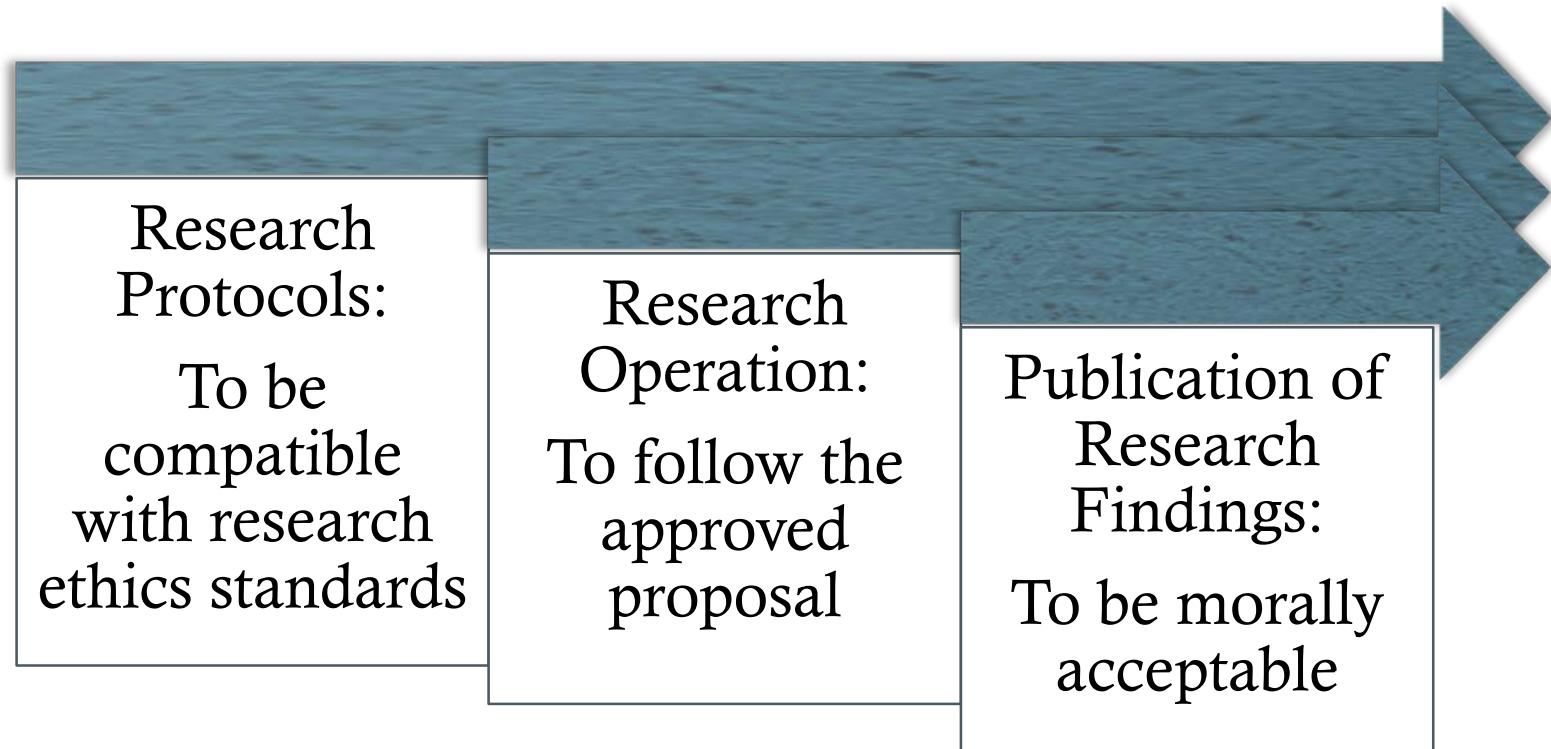
Organizational Review Board (ORB):

- Resource Allocation
- Financial Justification

Research Ethics Committee (REC):

- Consent
- Privacy
- Risk
- Benefit
- Vulnerability
- Religious Evaluation
- Legal Check
- Social Values

Research Integrity:



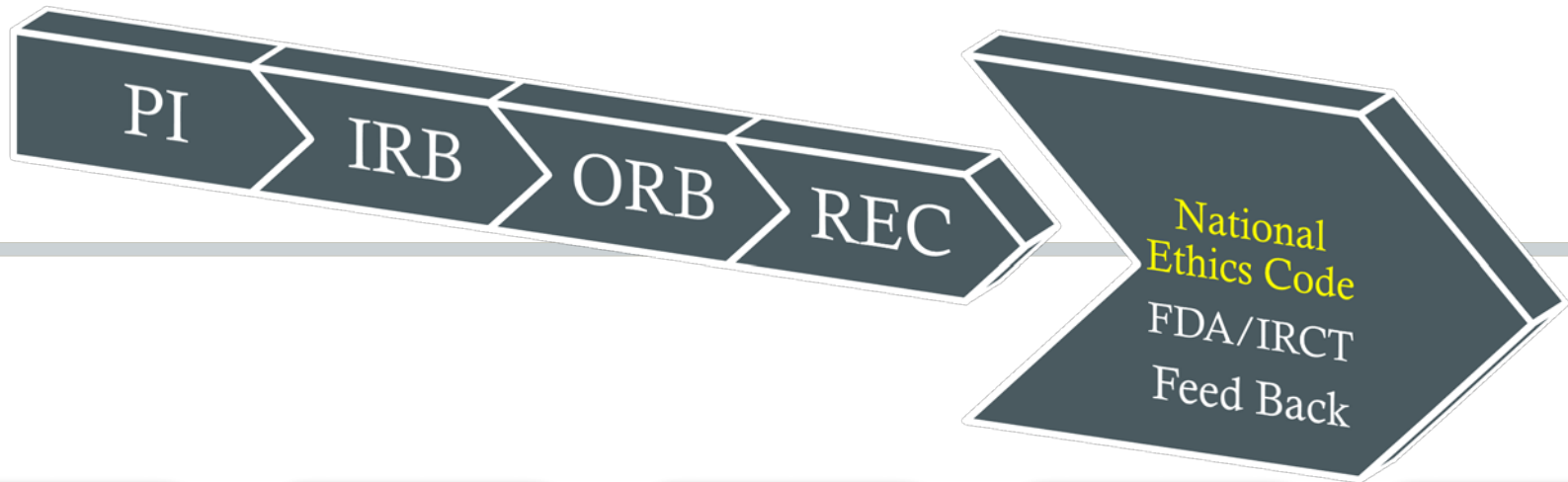




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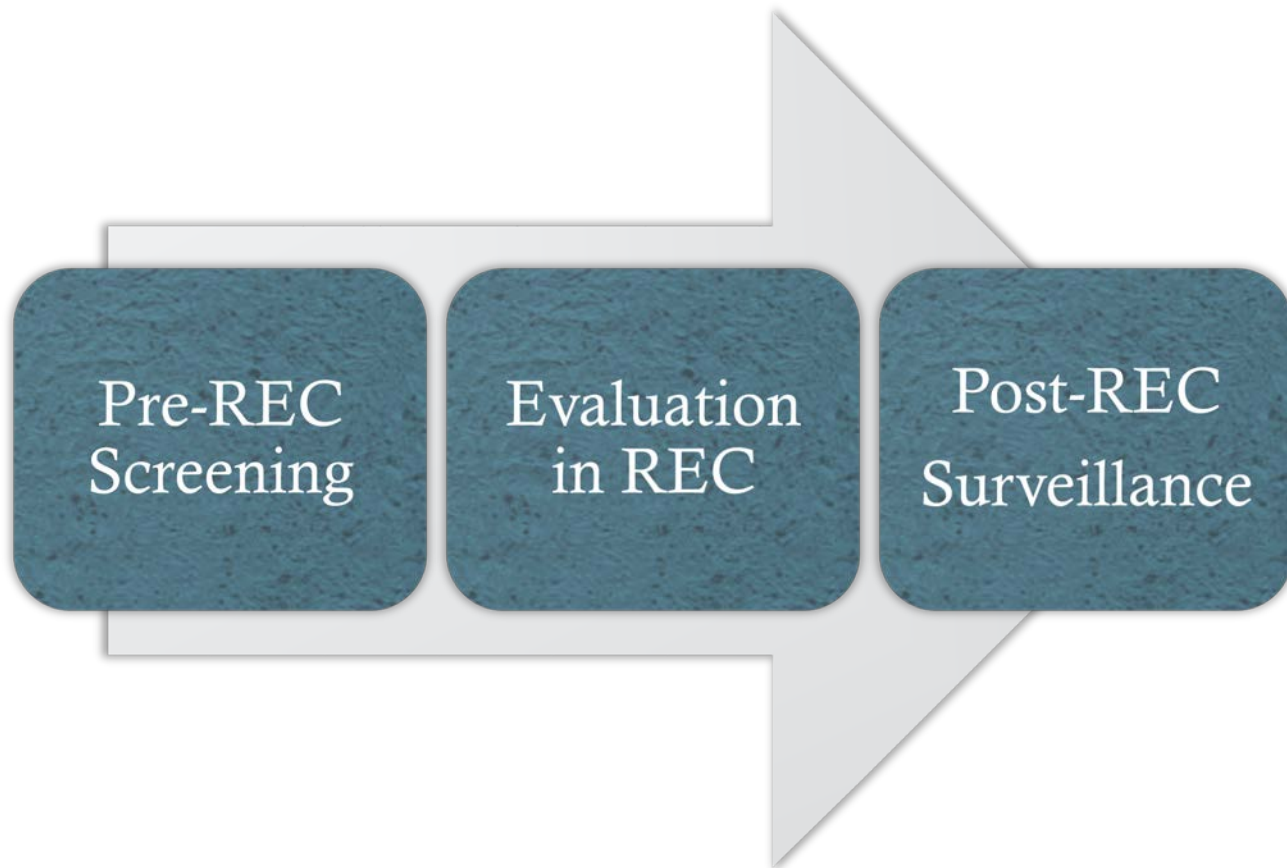
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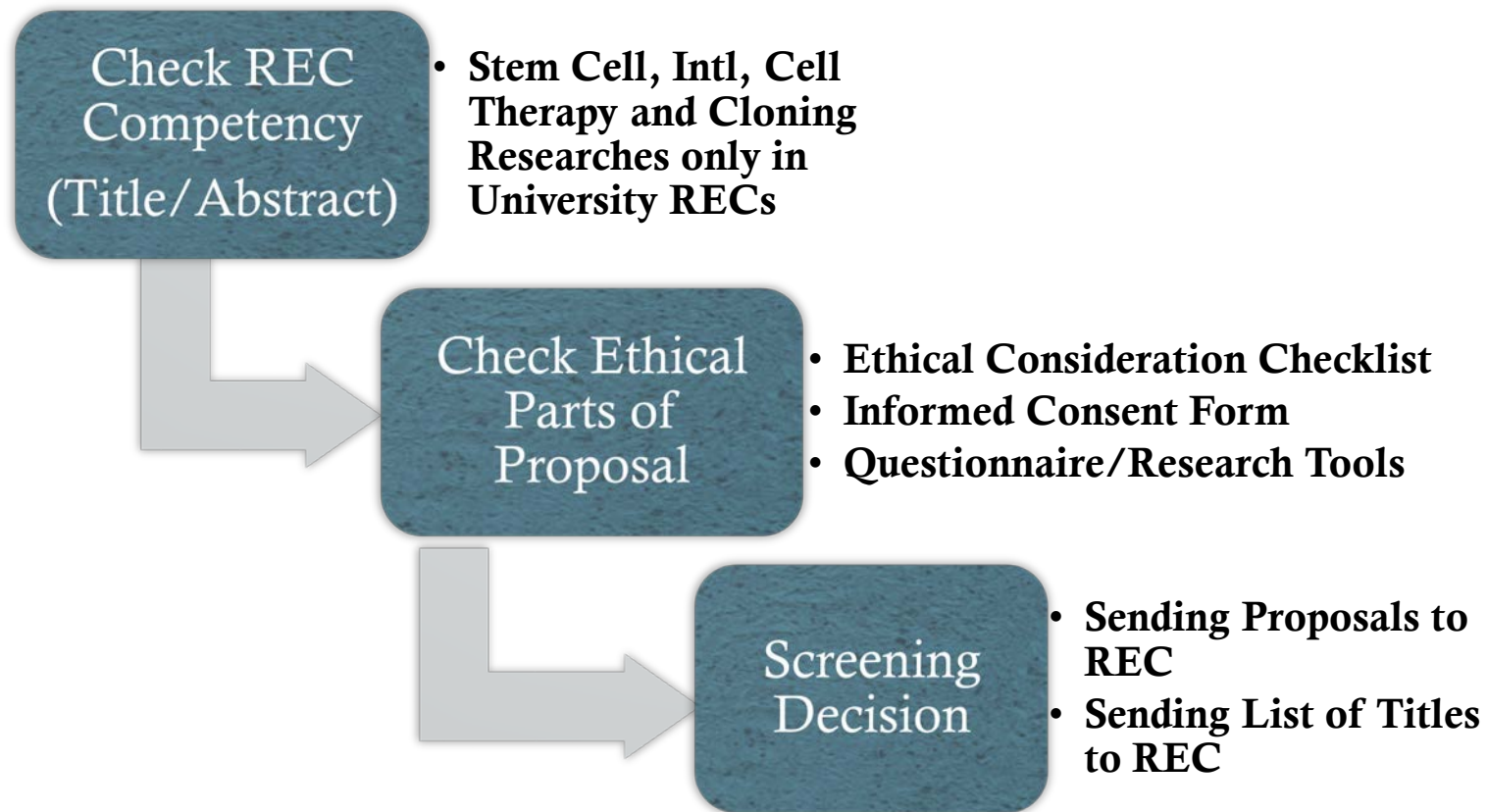


Pre-REC
Screening

Evaluation
in REC

Post-REC
Surveillance

Pre-REC Screening by a 3-Member Subcommittee



Is Research Team Competent?

- Is the PI competent?
- How is the general competency of Research Team?
- The quality of Scientific Peer review?

Is Methodology Clear?

- Does it follow standard trend?
- Is there any safer/cheaper method available?
- The place of research
- The time of research
- Is inclusion & Exclusion criteria clear?

Who is Potentially at Risk?



Individual
Participants

- **Participants, Researchers, Population**
- **Vulnerable**
- **Biomaterials**
- **Data**

Human
Population

- **Social Groups**
- **Vulnerable Groups**
- **Biomaterials**
- **Data**

Laboratory
Animals

- **Sentience**
- **Cognition**
- **Number**
- **Suffering**

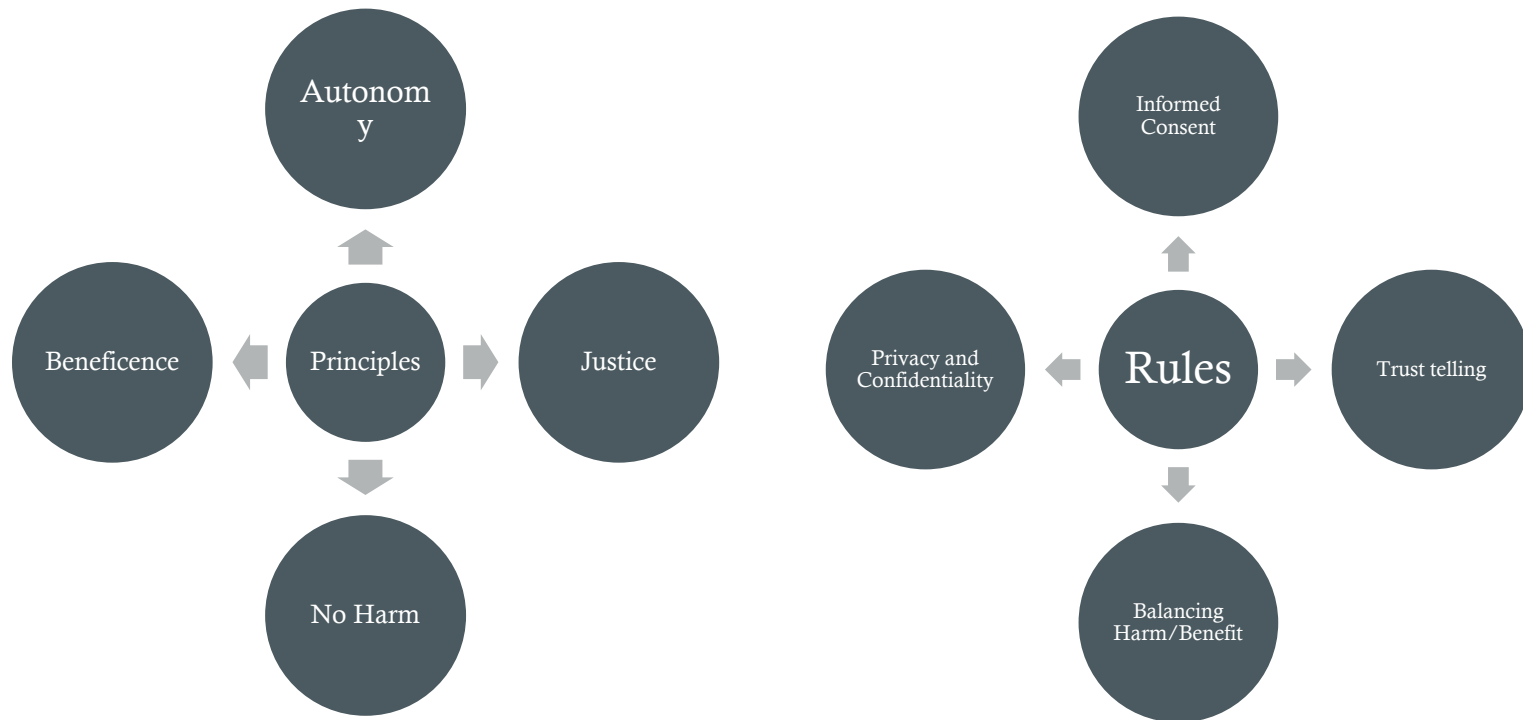
Environment

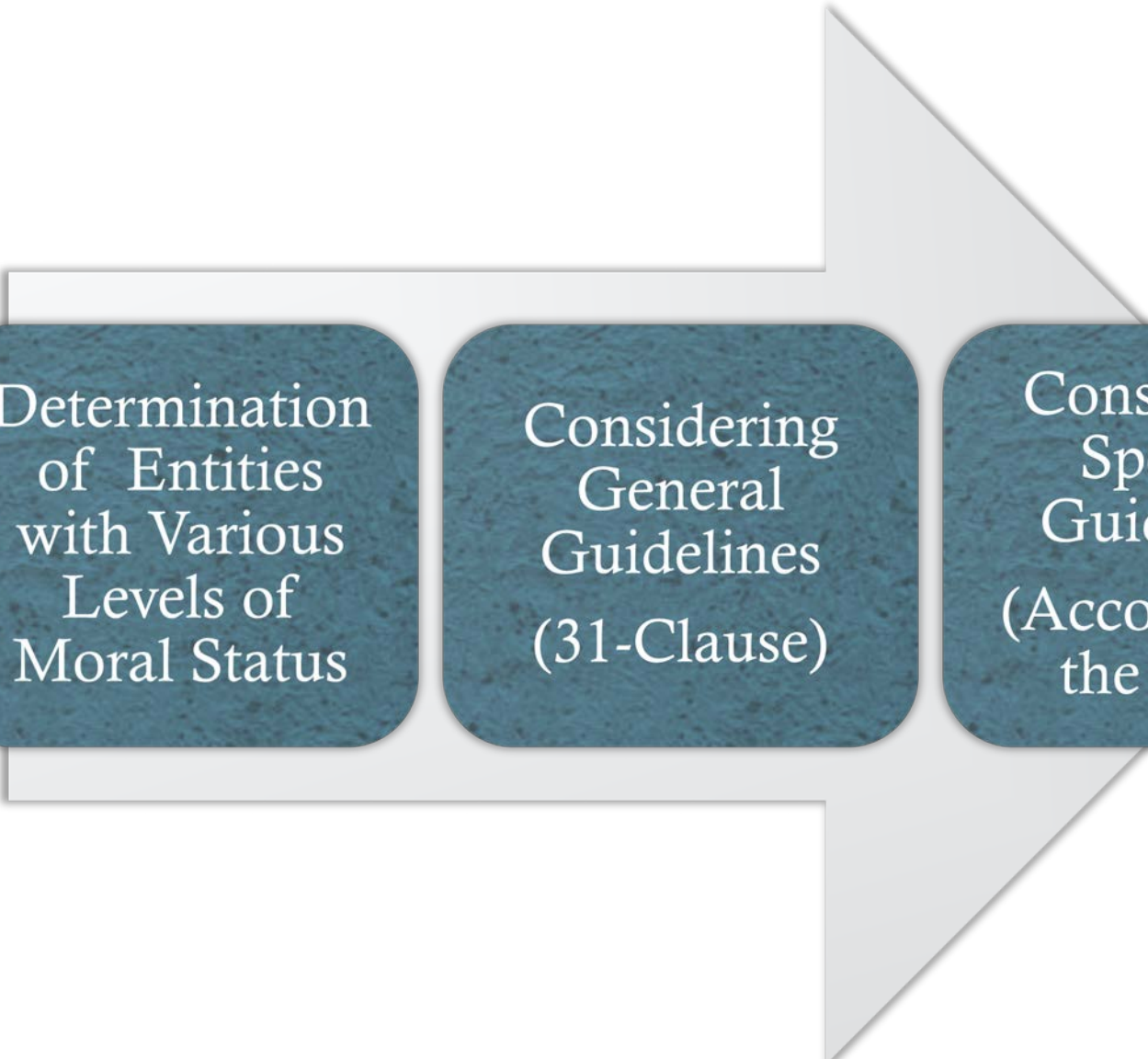


Vulnerability:



What is Potentially at Stake?!





Determination
of Entities
with Various
Levels of
Moral Status

Considering
General
Guidelines
(31-Clause)

Considering
Specific
Guidelines
(According to
the Case)

Does the Research Considers:

- 1- Religious Standards
- 2- Legal Standards
- 3- Local Sensitivities

