TORMP-2020

Research Project Drafting and Funding

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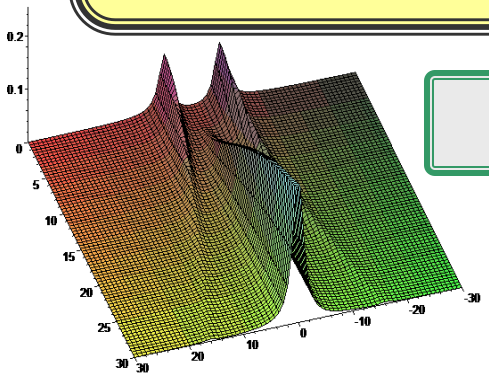
Former Dean(Academic & Research),
Former Dean(Research and Development),
Former Head, School of Basic & Applied Sciences,
Former Head & Professor, Department Of Physics,
Former Head, School of Pharmaceuticals Science, APU,AP, India



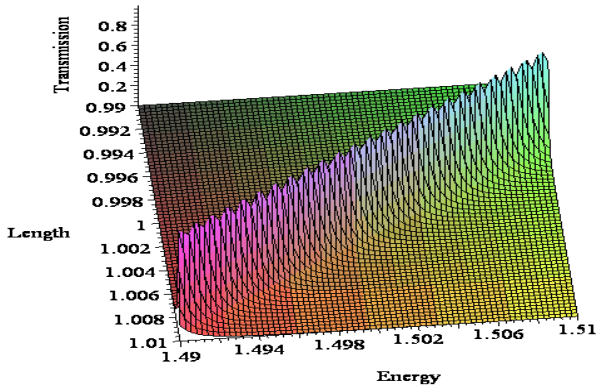
TORMP-2020 (May 16 - 17, 2020)

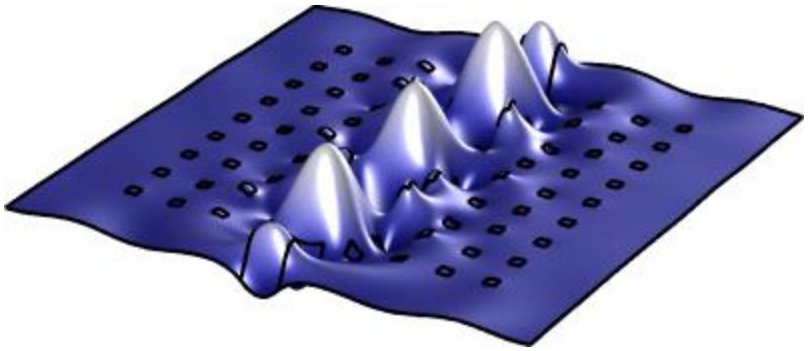
EUDOXIA

Outline

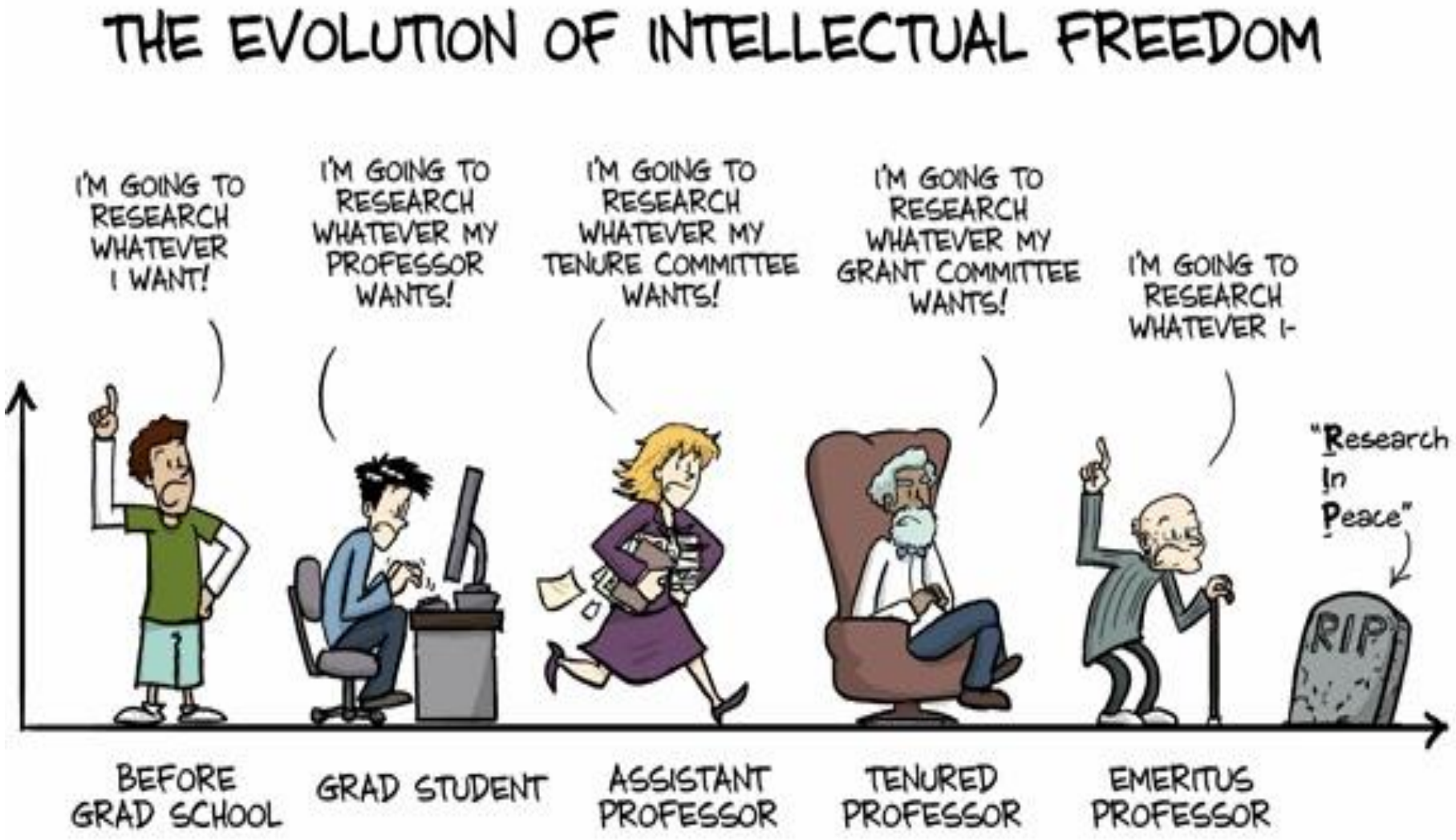
EUDOXIA

- Introduction
- Motivation
- Research Funding Agencies
- Drafting Research Funding Proposal
- Minor and Major Research Project
- Conclusion





Introduction



Introduction

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Motivation

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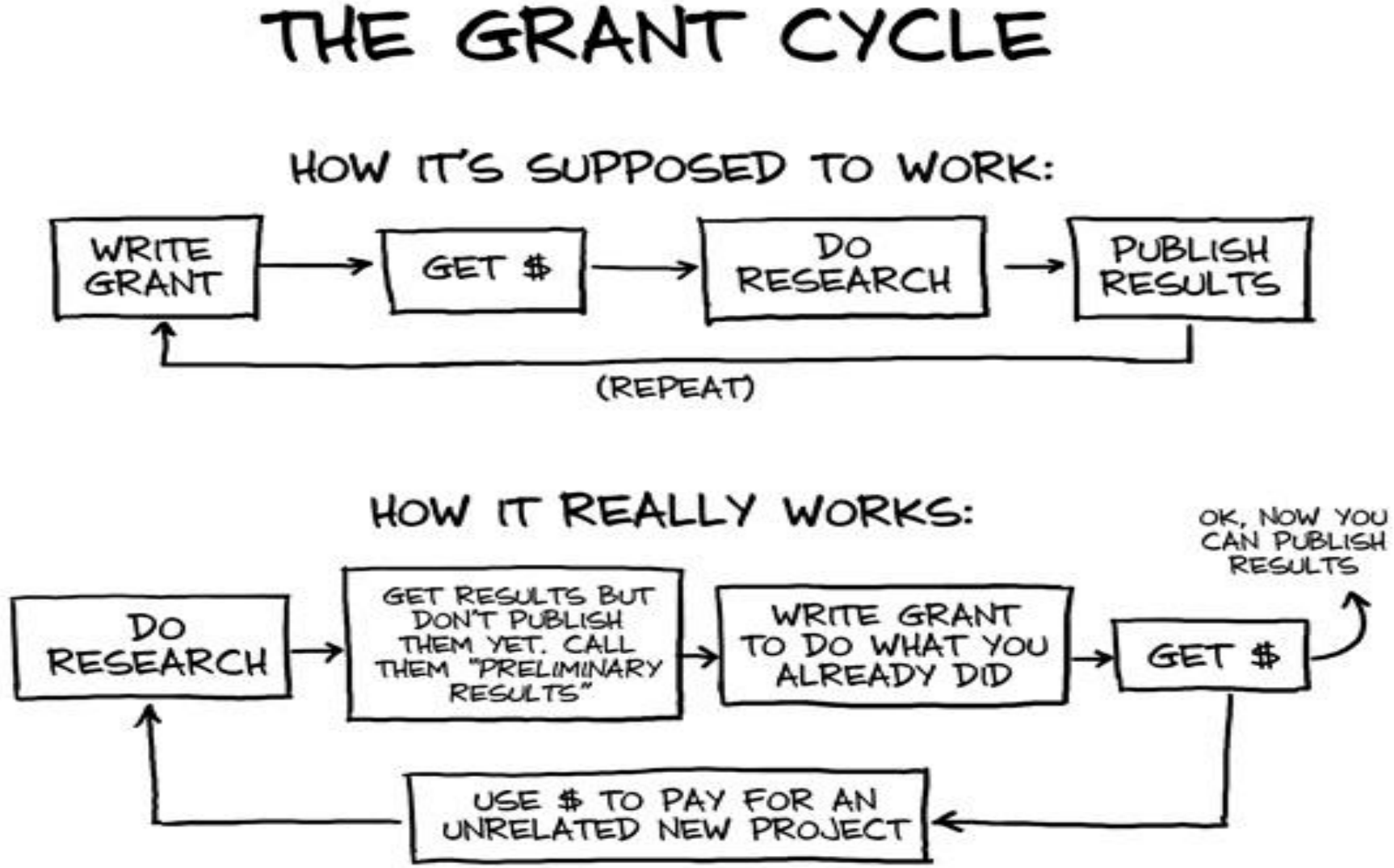
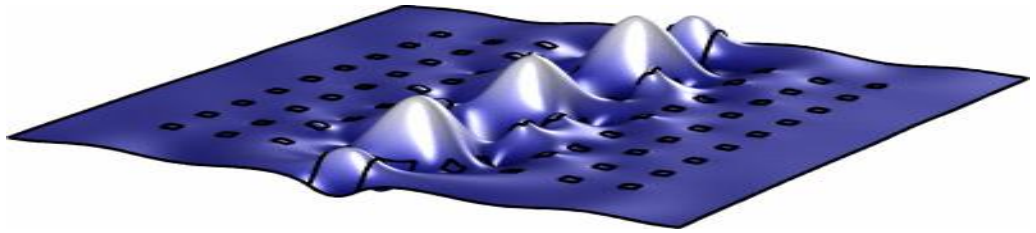

THE GRANT CYCLE
HOW IT'S SUPPOSED TO WORK:
WRITE GRANT
GET $
DO RESEARCH
PUBLISH RESULTS
(REPEAT)
HOW IT REALLY WORKS:
DO RESEARCH
GET RESULTS BUT DON'T PUBLISH THEM YET. CALL THEM "PRELIMINARY RESULTS"
WRITE GRANT TO DO WHAT YOU ALREADY DID
GET $
OK, NOW YOU CAN PUBLISH RESULTS
USE $ TO PAY FOR AN UNRELATED NEW PROJECT

Process of Funding

EUDOXIA

- Do you meet the criteria ?
- Is it feasible to finish the application prior to the Deadline?
- Do you have time to allot to requirement ?
- Complete Drafting Research Funding Proposal
- Is there a necessary output of the Research Project ?
- Justification of the work and financial statement

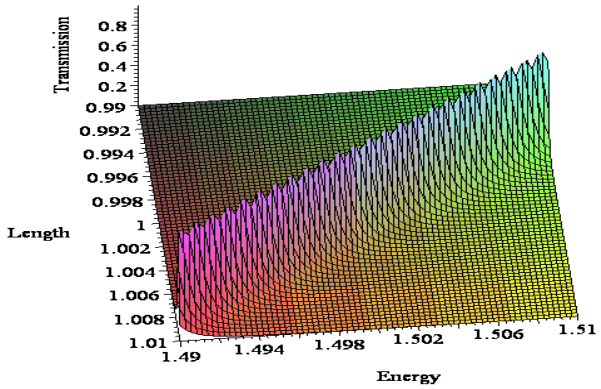


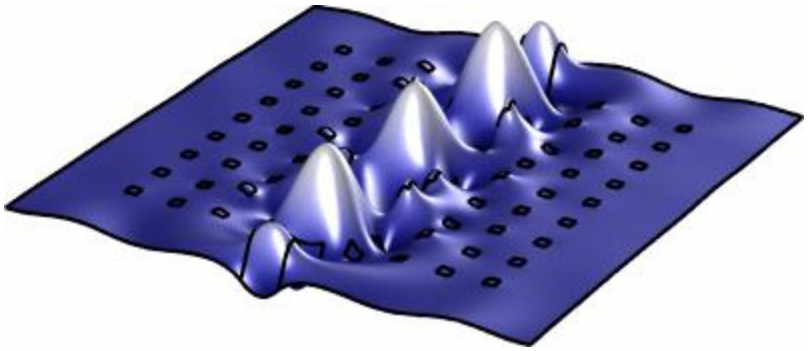
Steps in Research Project Drafting

EUDOXIA

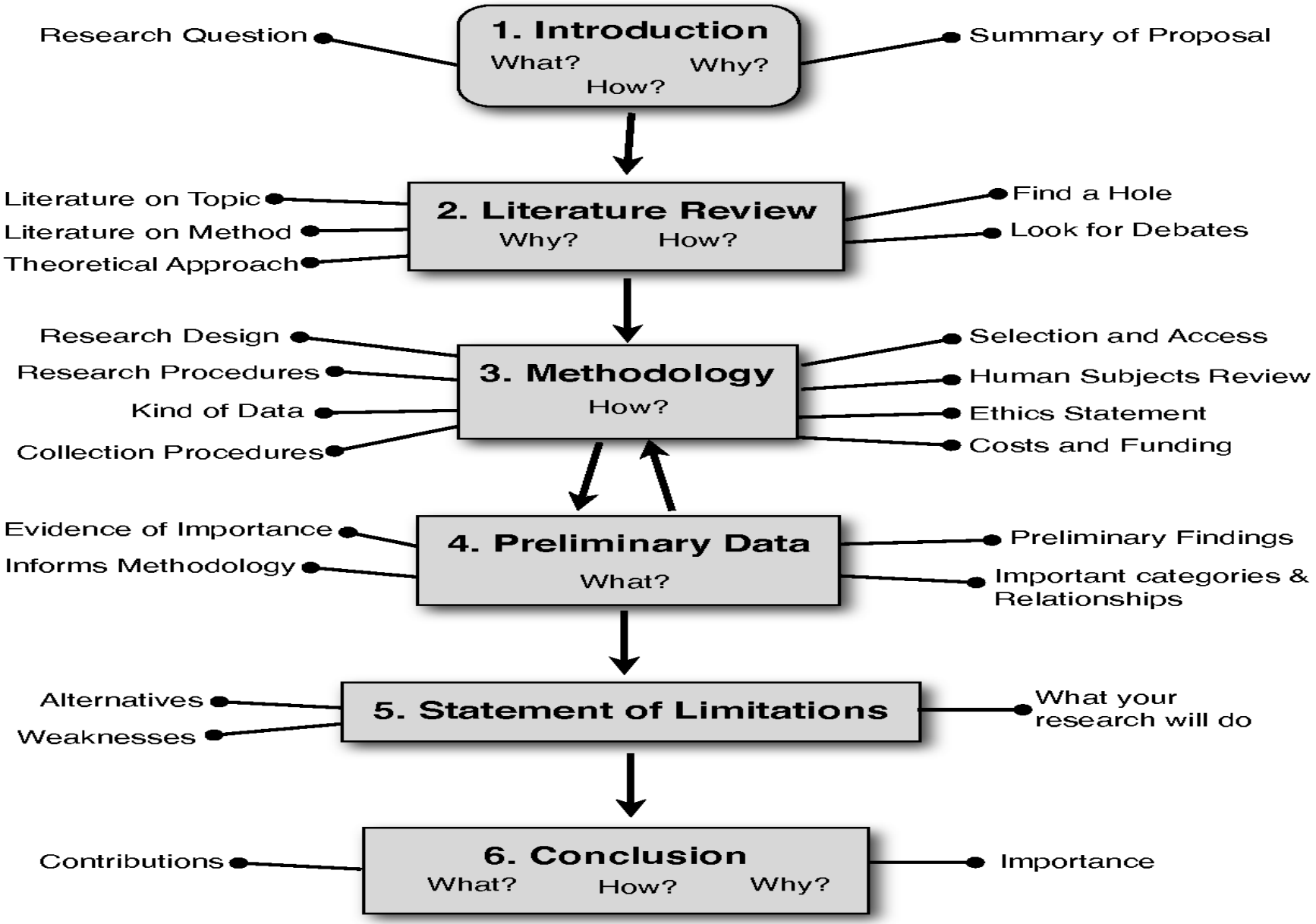
General Tips

- Know the strategy of the funding agency
- Know the assessment criteria
- Finalize the Structure of the Project
- Never Plagiarized or copy from others
- Follow the exact guidelines of the funding organization
- Obey Ethical Guidelines

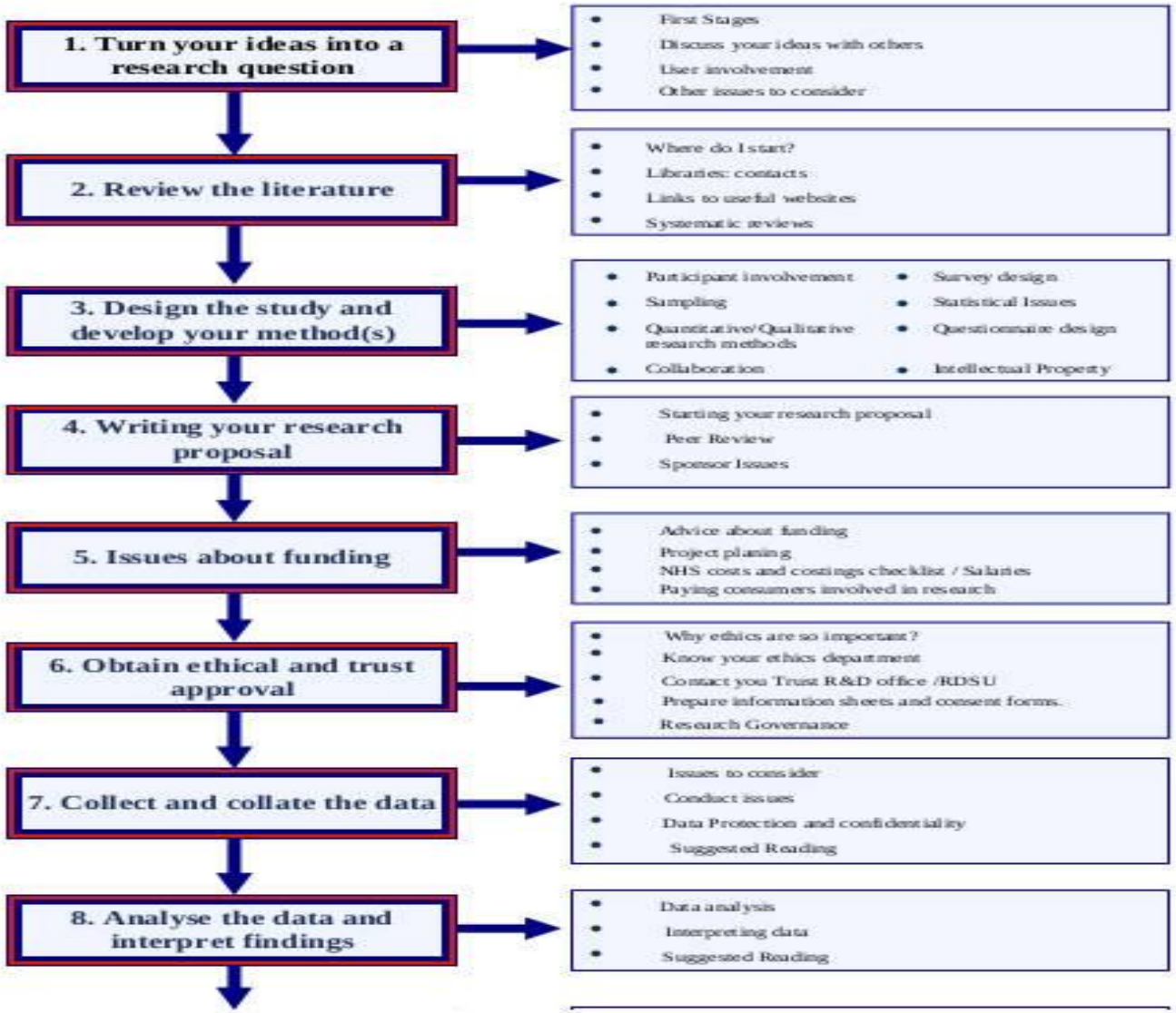




Research Proposal Flow Chart

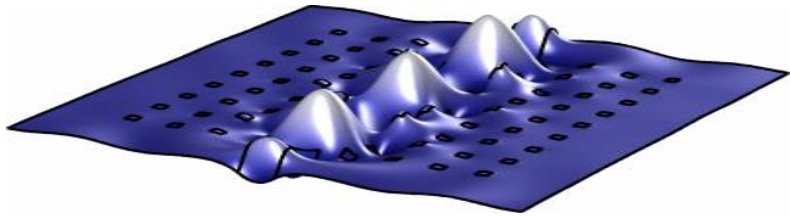


Research Process Flowchart



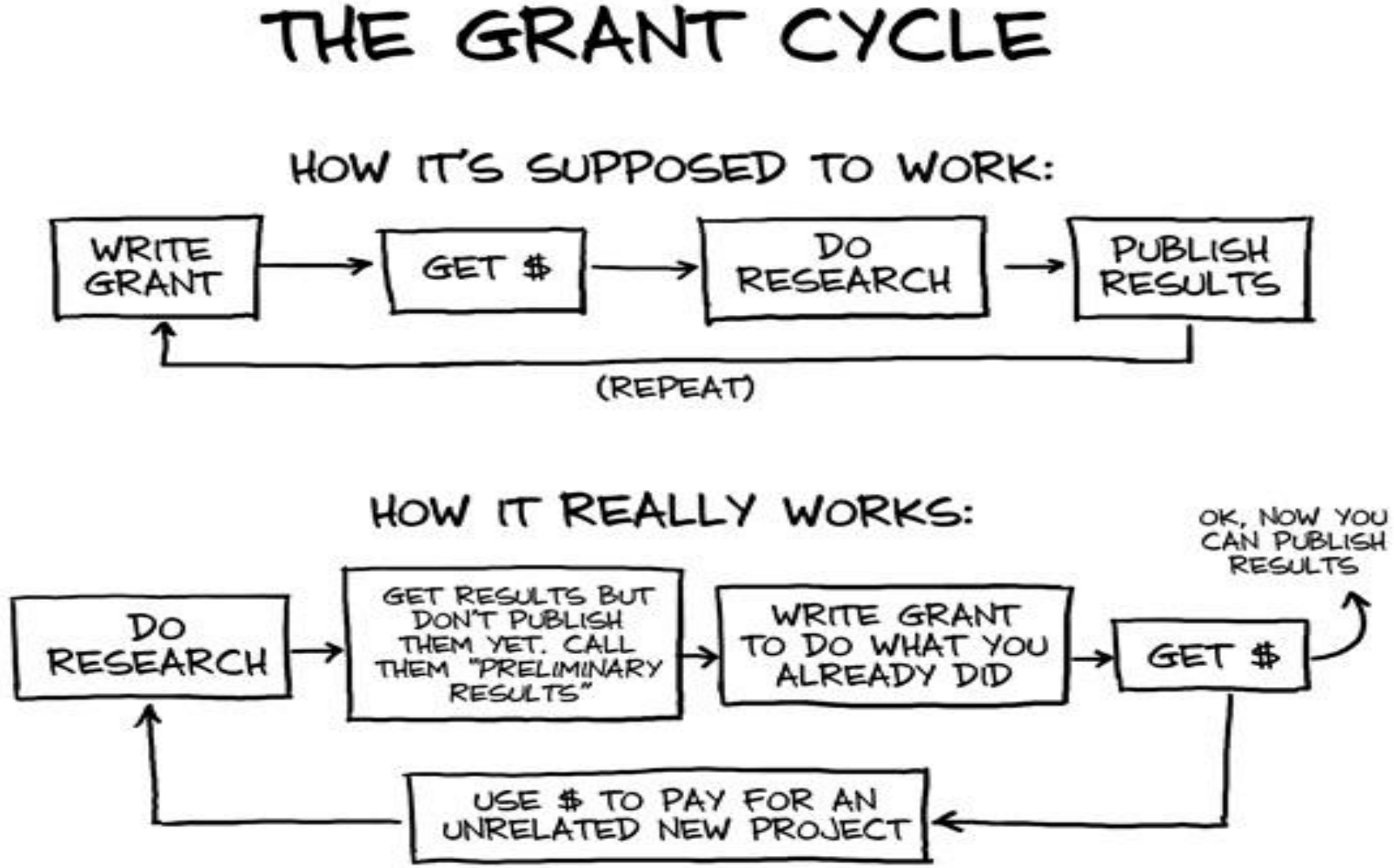
Structure of Project

EUDOXIA



- Cover Letter
- Declaration Certificate of PI
- Co-PI declaration
- For UGC grant: 2(f) and 12 B status of UGC Act 1956
- For International Grant :Registered Corporate/Organization
- Major Sci/Tech: 20L or Hum/So Sci: 15 L
- Non Recurring Grant: a. Equipments b. Books& Journals
- Recurring Grant: Honorarium to PI and Co-PI
- Project Fellow: SRF and JRF
- Hiring Service
- Contingency
- Special Needs
- Chemical and Consumables
- Travel and Field Work
- Tenure : 3 years or 18 months

Motivation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International Funding Agencies

African Development Bank

Grants for water resources, forest conservation, sustainable energy, and climate change

The African Development Bank (AfDB) is a multilateral development bank whose shareholders include 54 African member countries and 27 member countries from the rest of the world.

Grants range from €50 thousand to €5 million.

International Funding Agencies

African Union

Research awards in subject areas that include agriculture, environment

The African Union *(AU)* was established in 2002 to promote international cooperation for the advancement of Africa's integration and socioeconomic development. Middle East and North Africa: Algeria, Egypt, Libya, Sahrawi Arab Democratic Republic *(Western Sahara)*, Tunisia

Sub-Saharan Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo, Cote d'Ivoire, Dem Rep Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

Grants range from €50 thousand to €100 million.

International Funding Agencies

Arab Fund for Economic and Social Development

Grants and loans for agricultural development, water resources, energy, and environment in countries of the League of Arab States

The Arab Fund for Economic and Social Development *(AFESD)* finances development projects, with preference given to joint Arab projects. The Fund's members are all the countries of the League of Arab States.
AFESD encourages the investment of private and public funds in Arab countries, and it provides technical assistance in support of Arab economic and social progress.

Grants range from €50 thousand to €100 million.

International Funding Agencies

Caribbean Development Bank

Grants for projects in water supply and sanitation, energy, disaster risk management, and climate change in Caribbean countries.

The Caribbean Development Bank *(CDB)* aims to assist Caribbean nations to promote broad-based economic growth, inclusive social development, good governance, and regional cooperation and integration. The CDB supports the Millennium Development Goals for the Caribbean region.

Grants range from €50 thousand to €50 million.

International Funding Agencies

Commission for Environmental Cooperation

Grants to foster conservation, protection, and enhancement of the environment in Canada, USA, and Mexico

Grants in NAPECA support actions for capacity building; demonstrations; technology transfer; outreach and education; sharing best practices; environmental training; and others.

Grants range from €60 thousand to €150 million.

International Funding Agencies

Commonwealth Foundation

Grants to strengthen civil society organizations in Commonwealth countries for participatory governance in sustainable development

Principal Office: UK

The Commonwealth Foundation works to enhance the role of civil society organizations by strengthening their institutional and human capacity — and by creating opportunity for dialogue, collaboration, replication of good practices, and learning.
The Foundation is open to all members of the 53 Commonwealth countries.

Grants range from €60 thousand to €100 million.

Indian Funding Agencies

Information Regarding Various Research Funding Agencies

Agency	Website	Scheme	Eligibility
Department of Science and Technology (DST)	http://www.dst.gov.in/	Woman Scientist scheme (WOS-A)	for unemployed women scientists
		Woman Scientist scheme (WOS-B)	For unemployed women scientists whose age limit is below 57 years
		Cognitive Science Research Inititative	Scientists/academicians should have a research background in Cognitive Science and hold a regular position
		Nano Mission	For research in the field of Nano science and technology, online application
Department of Biotechnology (DBT)	http://www.dbtindia.nic.in/	Tata Innovation Fellowship	Age less than 60 years. Emplyoment at a research institute.
		Project grant	PhD, regular appointment in a research institute
		Small Business Innovation Research Initiative (SBIRI)	Public-Private Partnership Programme of DBT supports research initiatives of Indian Biotech Industry solely or in collaboration with academic partners. Operated through BIRAC
		BioCAre Research Grant opportunity (RGO)	PhD (age limit 55 years) Women Scientists who are employed or unemployed or are desirous of coming back after a break.
		Pre-proposals on Plant Microbe Interactions (DBT)	Scientists working in Indian research institutes/universities

Indian Funding Agencies

UGC Faculty Research Promotion Scheme (UGC-FRPS)	http://ugcfrps.ac.in/uohyd/		Start-Up Grant Mid-Career Award BSR Faculty Fellowship
Science and Engineering Research Board (SERB)	http://www.serb.gov.in/home.php	Extra Mural Research Funding (Individual Centric)	PhD, regular appointment in a research institute
		Early career research award	PhD, must hold a regular academic/research position in a recognized academic institution/ or national laboratories or any other recognized R&D institutions and must apply not later than the first two years of their regular service
		High risk high reward research	The applicant(s) must hold a regular academic/research position in a recognized institution
		Industry Relevant R&D	The academic partner must hold a regular academic/research position in an academic institution. All industries (including MSME & industrial R&D Centres) are eligible.
Board of Research and Nuclear Science (BRNS)	http://www.barc.gov.in/brns/index.html		
Newton-Bhabha Fund (British Council)	http://www.newtonfund.ac.uk/about/about-partnering-countries/India/		

Indian Funding Agencies

Ministry of New and Renewable Energy (MNRE)	http://www.mnre.gov.in/schemes/r-d/rd-formats/		
Humboldt Foundation (Germany)	http://www.dwih.in/node/53		
DAAD (Indo-German)	http://www.daaddelhi.org/en/14498/index.html		
Indo-French Centre for the Promotion of Advanced Research (IFCPAR)	http://www.cefipra.org/		
Council of Scientific and Industrial Research (CSIR)	http://www.csir.res.in/	CSIR research Grant	PhD, regular appointment in a research institute
Department of Atomic Energy (DAE)	http://dae.nic.in/		
Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers	http://chemicals.nic.in/		
Indian Council of Agricultural Research (ICAR)	http://www.icar.org.in/		
Indian Council of Medical Research (ICMR)	http://www.icmr.nic.in/	AD-HOC RESEARCH SCHEMES	PhD, regular appointment in a research institute
European Union	http://ec.europa.eu/research/iscp/index.cfm?pg=india		
Department of Electronics and Information Technology	http://meity.gov.in/		
Indian National Science Academy (INSA)	http://www.insaindia.org/		
Indian Space Research Organisation (ISRO)	http://www.isro.gov.in/		
Ministry of Defence	http://www.mod.nic.in/		

Indian Funding Agencies

Ministry of Earth Science	http://dod.nic.in/
Ministry of Environment, Forest and Climate Change (MoEF)	http://envfor.nic.in/
Ministry of Health & Family Welfare	http://mohfw.nic.in/
Ministry of Petroleum & Natural Gas	http://petroleum.nic.in/
Ministry of Power	http://powermin.nic.in/
Ministry of Rural Development	
Ministry of Railways	http://www.indianrailways.gov.in/
Ministry of Micro, Small and Medium Enterprises	http://msme.gov.in/mob/home.aspx
Ministry of Textiles	http://texmin.nic.in/
Ministry of Urban Development	http://moud.gov.in/
Ministry of Water Resources	http://wrmin.nic.in/
Tata Institute of Fundamental Research (TIFR)	http://www.tifr.res.in/
Petroleum Conservation Research Association (PCRA)	http://www.pcra.org/
Naval Research Board (NRB)	http://www.nrbdrdo.res.in/
National Board for Higher Mathematics (NBHM)	http://www.nbhm.dae.gov.in/
National Institute for Entrepreneurship and Small Business Development (NIESBUD)	http://www.niesbud.nic.in/
Indian Council of Social Science Research (ICSSR)	http://icssr.org/

Indian Funding Agencies

Reserve Bank of India (RBI)	https://www.rbi.org.in/Scripts/ExternalResearchSchemes.aspx#mainsection
All India Council for Technical Education (AICTE)	http://www.aicte-india.org/
The Associated Chambers of Commerce of India (ASSOCHAM)	http://www.assocham.org/
Federation of Indian Chambers of Commerce and Industry (FICCI/CII)	http://ficci.in/index.asp

International Funding Agencies

General Foreign or International Funding Agencies:

- American Academy in Rome
- Association of Commonwealth Universities (ACU)
- Australian Bicentennial Scholarships
- Bradley Foundation Grant program
- British Council
- The British Institute in Eastern Africa
- Canon Foundation Fellowships
- Commonwealth Foundation
- CO-REACH Social Science Collaborative Research between Europe and China
- Daiwa Anglo-Japanese Foundation
- Earthwatch Institute
- Ford Foundation
- The Foundation for the Future
- Fulbright Commission
- Harry Frank Guggenheim Foundation
- Harry Ransom Humanities Research Center Research fellowships
- Horowitz Foundation for Social Policy
- International Federation of University Women
- Toyota Foundation
- UKIERI
- Wenner-Gren Foundation for Anthropological Research
- Social Science Research Council(SSRC)
- The Social Sciences and Humanities Research Council (SSHRC)

International Funding Agencies

Web Sites with Proposal Guides

- The National Science Foundation.
  A Guide to Proposal Writing.
  http://www.nsf.gov/pubs/1998/nsf9891/nsf9891.html
- The Social Science Research Council.
  Art of Writing Proposals.
  http://www.ssrc.org/artprop.html
- James Madison University.
  Overview of the Grant Writing Process.
  http://www.jmu.edu/sponsprog/tips2.html
- Funding and Proposal Writing for Social Science Faculty Research.
  http://www.unc.edu/depts/irss/writing.html
- University of Idaho Grant Directory
  http://radon.chem.uidaho.edu/~pmits/grants
- University of Michigan Proposal Writer's Guide
  http://www.research.umich.edu/research/proposals/proposal_dev/pwg/pwgpage.html
- AAFRC Trust for Philanthropy
  http://www.aafrc.org
- Council on Foundations
  http://cof.org
- Foundation Center Online Proposal Writing Short Course
  http://www.fdncenter.org/onlib/prop.html
- The Corporation for Public Broadcasting (CPB).
  Basic Elements of Grant Writing.
  http://www.cpb.org/grants
- The Frontiers in Bioscience (FBS).
  Tips for Writing Grant Proposals.
  http://www.bioscience.org/current/grant.html

Time Management

Budget Your Time

Solid partnerships

Communicate

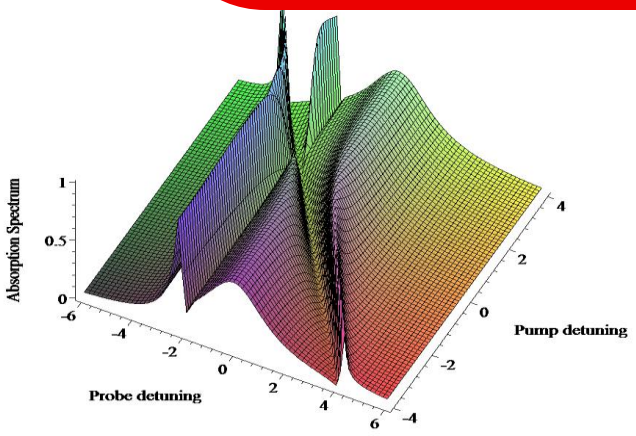
Innovative project

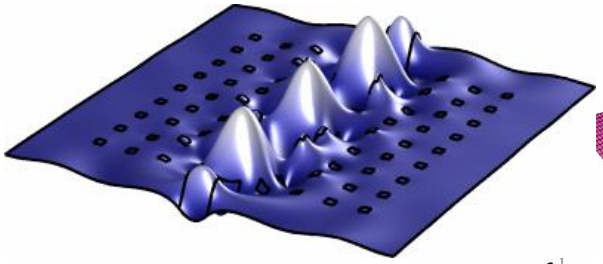
Define your budget

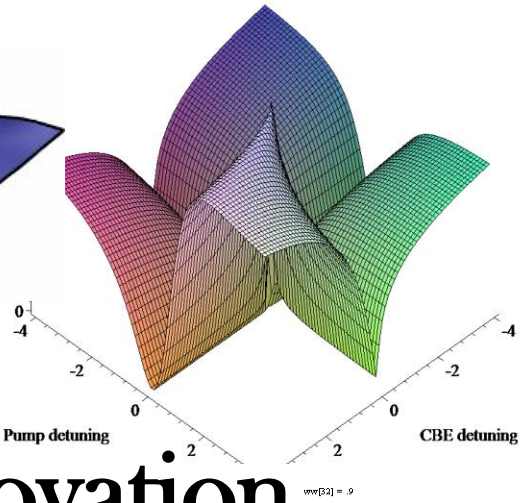
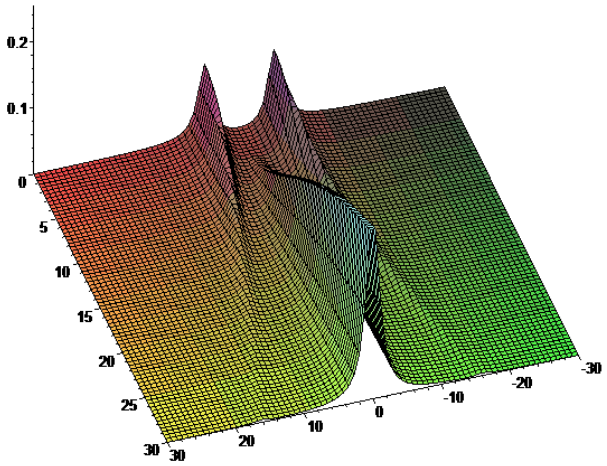
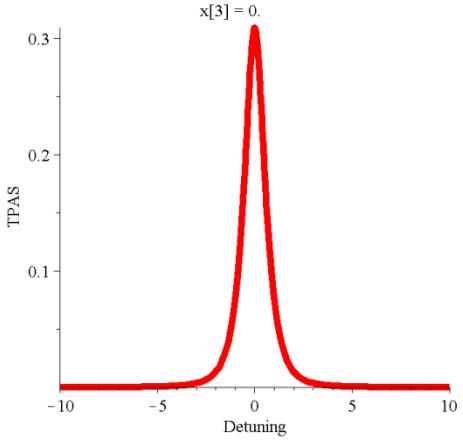
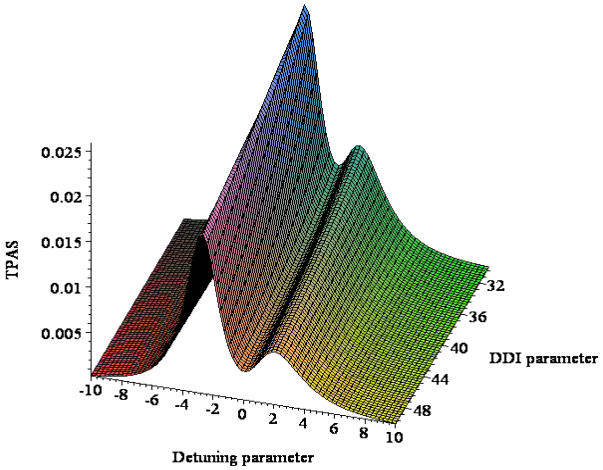
80% planning the project

20% writing the proposal

CONCLUSIONS







Research is for Innovation