

RESPONSIBLE RESEARCH AND INNOVATION (RRI): CONCEPTUAL FRAMEWORK AND PRACTICES

Global Initiative on Academic Network (GIAN) Course

14th June to 24th June 2021

Jawaharlal Nehru University, India

Overview

Responsible Research and Innovation (RRI) emerged in recent years in Europe as a science policy framework that seeks to align research and technological innovation with broader social values. RRI aims to engage a wide variety of publics and responsible actors in the science and innovation field to produce ethically acceptable, sustainable and socially desirable research and innovation outcomes. RRI's rationale is that science and technology have the power to transform the future, that they are socially, ethically and politically entangled and that they can have potentially far-reaching, uncertain and unpredictable social consequences. RRI has been theorized as "*a transparent, interactive process by which societal actors and innovators become mutually responsive to each other with a view to the (ethical) acceptability, sustainability and societal desirability of the innovation process and its marketable products in order to allow a proper embedding of scientific and technological advances*

in our society". The term RRI is not in use in India within the policy circles. In India, a concept akin to RRI is linked with society's key needs: research and innovation that address needs and provide for accessible, equitable, and inclusive solutions. The idea of Access, Equity, and Inclusion (AEI) can be linked with RRI in the Indian context. Examining how AEI is reflected in India's policy discourses and programs will help understand how AEI discourse can contribute to RRI discourse and vice versa. The course would give an overview of the concept, make India/EU and global comparisons, and provide examples for application in different research and innovation contexts. Also, the design of the program will enable participants to engage in the discussion and co-create responsibility in research and innovation that best suits the Indian context.

Course Objectives

- i) Exposing participants to the fundamentals of Responsible Research and Innovation (RRI);
- ii) Building in confidence and capability amongst the participants in the applications of RRI principles in the research and development (R&D) ecosystem in the higher educational institutions;
- iii) Providing exposure to practical problems and their solutions through case studies and best practices in RRI;
- iv) Enhancing the participants' capability to identify and problem solving based on RRI principles and practices.

Lectures

Lectures by visiting faculty will be complemented by hands-on tutorial sessions and additional presentations on the local context, Indian policy evolution, and interrelated aspects.

Day 1: Definitional landscape: what is responsible research and innovation (definitions & history); Related areas of RRI: technology assessment; participatory turn; stakeholder theory; research ethics and integrity; political corporate social responsibility

Day 2: The history of RRI: Challenges and opportunities

Day 3: Challenges and opportunities for Global South – Global North ideas exchange

Day 4: Theory of RRI: From co-production to sociotechnical imaginaries and beyond

Day 5: RRI methods: From action research to participatory prototyping

Day 6: RRI challenges in different fields: The case of mobilities

Day 7: RRI in actual projects: The case of NewHoRRizon

Day 8: The way forward: challenges in research, innovation and development – how could responsibility help?

Day 9: Wrap up

Day 10: Assessment & Feedback



Registration

The participation fee for joining the course is as follows:

JNU M.Sc., MBA Students:	Free
JNU Research Students (MTech, MPhil, & PhD):	INR 1000
JNU Faculty:	INR 2000
Other Institutions (Research Students):	INR 2000
Academic Institutions:	INR 10,000
Industry and Private Institutions:	INR 30,000
Participants from Outside India:	US\$ 500

The maximum number of seats for participation will be 100. Accommodation is the sole responsibility of the participant.

Venue: JNU, New Delhi (new campus)

Register: www.gian.iitkgp.ac.in/GREGN/index

GIAN Website: <http://www.jnu.ac.in/GIAN/>.

Faculty



Robert Braun is senior researcher and deputy head of the research group Science, Technology and Social Transformation at the Institute for Advanced Studies in Vienna, Austria, and associate professor at Masaryk University in Brno, Czech Republic. His research focus is technoscience, the ontological politics of technology transitions (e.g., autonomous mobility), responsible research and

innovation (RRI) and [political] corporate social responsibility (pCSR). He published in leading journals including *Science*, *Journal of Responsible Innovation*, *Journal of Research Ethics*, and *Nature Humanities and Social Sciences*. His last book, *Corporate Stakeholder Responsibility* (CEU Press, 2019), has been selected as one of the three best books of 2019 by the European Management Academy (EURAM). His new book, *Post-Automobility Futures: Power, Technology, and Imaginaries* (also with Richard Randell), is published by Rowman & Littlefield in 2021.



Saradindu Bhaduri is Associate Professor at the Centre for Studies in Science Policy (CSSP) and the founding Coordinator of the Trans-Disciplinary Research Cluster on Frugality Studies (TRCFS) JNU. He held the Prince Claus Chair in Frugal Innovation, Development and Equity at the International Institute of Social Studies (of Erasmus University Rotterdam) during 2015-17 and is currently associated with the Centre for Frugal Innovation in Africa. His research focuses on innovation economics, frugal and grassroots innovations, and intellectual property rights in economic development. He has published in reputed journals including *Industrial and Corporate Change*, *Oxford Development Studies*, *Economics of Innovation*

and New Technology, Mind and Society, and *Public Understanding of Science*. His co-edited book on Informal Sector Innovations: Insights from the global south was published by Routledge in 2017. He is currently a member of the editorial boards of the *Innovation & Development* and the *African Journal of Science, Technology Innovation and Development*.



Anup Kumar Das is a senior documentation officer at the Centre for Studies in Science Policy (CSSP), JNU. He was awarded Ph.D. in Information Science from Jadavpur University, Kolkata. He is an Editor of the *Journal of Scientometric Research* (JSCIRES) and an Associate Editor of the *African Journal of Science, Technology Innovation and Development* (AJSTID). He is a core member of the CODATA Connect Working Group – Early Career and Alumni Network (CCWG), and the Working Group for CODATA National Committee. His research interests revolve around open science, open data, open access, FAIR data, scientometrics, S&T indicators, citizen science, knowledge societies, and responsible research. He has contributed to UNESCO Open Access Curricula for Researchers and Library Schools. Besides other publications, he wrote a book, *Open Access to Knowledge and Information: Scholarly Literature and Digital Library Initiatives – the South Asian Scenario*, published by UNESCO, New Delhi.
