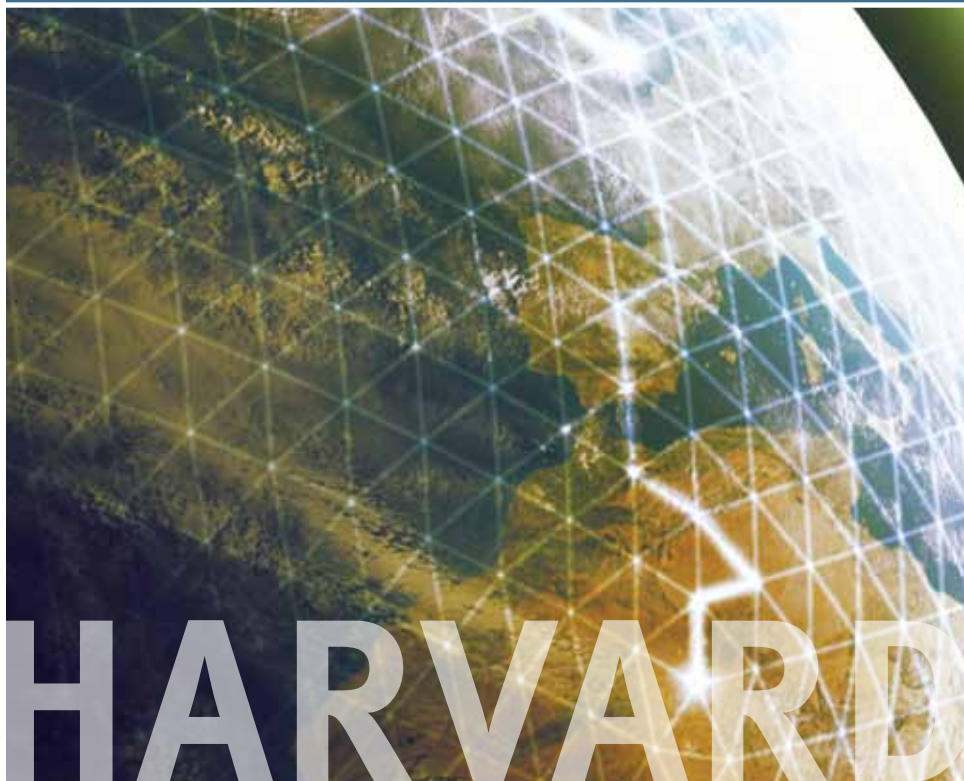


**INNOVATION FOR
ECONOMIC DEVELOPMENT**



HARVARD Kennedy School
Executive Education

“Science, technology and innovation are areas in which Ireland has invested heavily over the past decade. The **Innovation for Economic Development** program provided me with the opportunity to revisit some of the fundamentals of our approach to innovation policy. It was an excellent forum to exchange views and learn from eminent faculty and distinguished participants.”

MARTIN SHANAHAN, CHIEF EXECUTIVE OFFICER, FORFÁS – IRELAND’S NATIONAL POLICY ADVISORY BOARD ON ENTERPRISE, TRADE, SCIENCE, TECHNOLOGY AND INNOVATION

FACULTY CHAIR



Calestous Juma is Professor of the Practice of International Development and Director of the Science, Technology, and Globalization Program. He also directs the Agricultural Innovation in Africa Project funded by the Bill and Melinda Gates Foundation. He is a former Executive Secretary of the United Nations Convention on Biological Diversity and Founding Director of the African Centre for Technology Studies in Nairobi. He has been elected to several scientific academies including the Royal Society of London, the U.S. National Academy of Sciences, and the Academy of Sciences for the Developing World. Juma is author of *The New Harvest: Agricultural Innovation in Africa* (Oxford University Press, 2011).



THE PROGRAM

Technological innovation is essential for fostering economic growth, enhancing global competitiveness, and protecting the environment. The **Innovation for Economic Development** program at Harvard Kennedy School provides high-level leaders from government, academia, industry, and civil society with a unique opportunity to learn how to harness the power of emerging technologies to promote prosperity. The program outlines strategies and measures needed to align technological trends with development policy objectives, focusing on how to design and implement innovation policies for economic development.

WHO SHOULD APPLY

The program is designed for high-level decision-makers: ministers, deputy ministers, senior civil servants, diplomats, development leaders, university presidents, and chief executive officers and staff of international development agencies. Senior advisors to heads of state and government, as well as corporations with specific interest in development will also be considered. Training in the natural sciences is not a requirement.

Program participants typically come from a broad cross-section of fields, including finance, economic and development planning, infrastructure development, industry, trade, science and technology, information and communications, education, health, agriculture, energy, environment and natural resources, regional development, development cooperation, and national defense. Leaders who deal with these issues in academia, non-governmental organizations, or the business community are also encouraged to apply.

“In today’s global economy, innovation is the engine of economic growth. This program offers a strong strategic framework for understanding the role of national scientific and technology policy in the context of a broader development agenda.”

MR. KONG CHO HA, MINISTER, MINISTRY OF TRANSPORT MALAYSIA



THE CURRICULUM

Innovation for Economic Development

participants attend classes that consist of practical approaches to problem-solving. The sessions emphasize interactive learning among participants with diverse backgrounds and interests.

Program participants will gain a greater understanding of:

» **Scientific and Technological Frontiers:**

Identify key scientific and technological trends in emerging fields such as information technologies, biotechnology, and material sciences; map the frontiers of technologies innovation and their potential for application in development.

» **Innovation Systems:** Examine trends and show how technical change and innovation are products of interactive learning involving government, industry, and academia; identify new economic roles for institutions of higher learning and research.

» **Infrastructure:** Explore the linkages between infrastructure services and technological innovation in development; explore how to leverage expertise in a wide range of sectors, including defense, to contribute to infrastructure development as a foundation for technological innovation.

» **Information and Communications**

Technologies: Map emerging and novel applications of information and communications technologies in development; explore their impact on other technological sectors.

» **Medical Technologies:** Review advances in medical technologies and their implications for development; provide practical examples of recent and emerging medical technologies.

» **Agricultural Technologies:** Assess the frontiers of agricultural technologies and identify their role in addressing food and agriculture challenges; emphasize the role of entrepreneurship in innovation and sustainable development.

» **Green Technologies:** Examine the role of technological innovation in addressing ecological challenges, with particular emphasis on climate change.

» **Science and Technology Advice:** Examine the role of high-level advice on how to leverage emerging technologies for development; review the impact of policies in other areas such as finance, trade, property rights, and regional economic integration.

» **Science and Technology Diplomacy:** Assess the implications of rapid technological innovation for international diplomacy, with an emphasis on development cooperation.



ADMISSION

Innovation for Economic Development is a one-week program offered each spring at Harvard Kennedy School.

To apply for **Innovation for Economic Development** or for details on program dates, application deadlines, and tuition, please visit www.hks.harvard.edu/ee/ifed.

Admission to the program is competitive and is based on professional achievement and organizational responsibility. Though there is no formal educational requirement, fluency in written and spoken English is a necessity for participation in the program.

Because of the interactive nature of this program, the number of participants is limited. Early application is encouraged as qualified candidates are admitted on a rolling, space-available basis and the program often fills quickly. Applications received after the deadline will be considered only if space remains in the class.

AFFILIATED WITH

Science, Technology, and Globalization Program
Belfer Center for Science and
International Affairs
Harvard Kennedy School
Harvard University
www.belfercenter.org/global

Calestous Juma
Faculty Chair of **Innovation for Economic Development** and Director of the Science, Technology and Globalization Program
calestous_juma@harvard.edu



HARVARD Kennedy School

Executive Education

www.hks.harvard.edu/ee/iefed

**“Leadership and learning are
indispensable to each other.”**

John F. Kennedy

Executive Education Admissions
John F. Kennedy School of Government
Harvard University
79 JFK Street
Cambridge, MA 02138 USA
Phone: 617-496-0484
Fax: 617-495-3090
Email: hks_execed@harvard.edu

