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Research Policies and Global Health

Introduction:
Policy interfaces of the Global Health Research and Innovation System

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Angela Merkel: Chancellor, Federal Republic of Germany

People everywhere rightly expect business, researchers and policy-makers to come up with viable concepts for well functioning health services that deliver good health care as well as effective disease prevention and control.

Responding to this challenge calls for a special kind of symbiosis that combines research and medical excellence with a pioneering spirit, responsibility and ethical integrity.

François Hollande, President of the French Republic

Inequality in health treatment is one of the worst offenses against humanity. Everything possible should be done to rectify this injustice.

Research can only develop further if adequate means are available and a coherent organization based on coordinated public decisions exists.
Policies, frameworks, structures and settings to support and foster effective research and innovation for global health.

Role of research and innovation in informing policy and action for global health.
GHIS would help overcome critical health failures (in science, the market & public health systems) by providing valuable guidance.

No global model has yet been put forward to plan, coordinate, conduct and support efforts. “GHIS is the missing architecture”.

GHIS should help to involve firms and government, create and sustain networks, mobilize and maintain adequate financing.

GHIS framework proposed that identifies 6 components of health technology innovation:
- national health delivery systems
- manufacturing capability for health products
- drug and vaccine regulatory system
- IP regulatory system
- R&D capability of the public and private sectors;
- international trade systems for health products, including global procurement funds
Developing the GHIS

- A new architecture for health innovation is possible, necessary and urgently required.

- A GHIS does not exist today and we do not know what exact form it would assume.
  - But without changes from the status quo, it is likely that 10 or 20 years from now we will have few new products on the market for diseases of the poor: most will be stuck in the pipeline. To open the floodgates to new innovation, we need a widely accepted, understood, and cost effective GHIS.

- Propose that its architecture should be integrated to become more than the mere sum of its parts (the innovation systems of product development partnerships, developed and developing countries, and international networks)
  - an overarching system that discusses, shapes, and provides a long-term strategic vision, that offers best practices and policies adapted to the particular needs and environments of all the participating organizations.
Global Health Research and Innovation System

Policy Domain

- Policies, frameworks, structures and settings to support and foster effective research and innovation for global health

Research, Development and Innovation Domain

- Role of research and innovation in informing policy and action for global health
Global Health Research and Innovation System

Environment for research and innovation for health

- Intermediaries
  - Public-private partnerships
  - Advocacy organizations
  - Global health initiatives

- Performers of R&D and innovation

- Global Public Goods
  - Products
  - Processes
  - Knowledge

- Commercial Products
  - Products
  - Processes
  - Knowledge

- Health Benefits
  - Better health & health equity

Flows of resources, ideas, information, products, mechanisms

Influences: push and pull mechanisms

- Funders (2005 $160 bn)
  - Public Sector
  - Private Sector
  - Not-for-Profit Sector

- Everything should be made as simple as possible – but not simpler
  - Albert Einstein

- If you cannot measure it, you cannot improve it
  - Lord Kelvin

Matlin & Samuels, The Lancet 2009, 374: 1662-3
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John-Arne Røttingen:
CEWG on R&D: Financing and Coordination

Francisco Songane:
Integrating Research Agendas for Global Health

Line Matthiessen-Guyader:
Horizon 2020 & Global Health

Klaus-Michael Debatin:
Global Research Council

Matlin & Samuels, The Lancet 2009, 374: 1662-3