



Innovation, Sustainability, Development: A New
MANIFESTO

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University of Sussex, UK

STEPS/3TU-Ethics Roundtable, the Hague, Netherlands, 24th November 2009



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- Written by the Sussex Group: Hans Singer (chair), Geoff Oldham, Charles Cooper, R.C. Desai, Christopher Freeman, Oscar Gish & Stephen Hill

Quantitative and qualitative analysis and recommendations

Rejected by the UN, but published as an annex to this report

Quantitative targets

"The Research and development (R and D) effort of the developing countries should be increased from the present level of about 0.2 per cent of gross national product (GNP) to about 0.5 per cent of GNP"

But, more importantly, institutional change

"In short, increased R and D and STS expenditure would be folly if there were no reform of the institutions for carrying out these activities. It is relatively easy to increase expenditure on science and technology, but there is a grave danger that the increased expenditure will leak away in a kind of 'scientific conspicuous consumption'."



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A "3D" Agenda

Directionality – of pathways towards specific Sustainability objectives.

Distribution – more equitable distribution of benefits, costs and risks associated with innovation.


Diversity – in socio-technical systems, in order to build robust and resilient systems, mitigate lock-in and cater for seemingly irreconcilable perspectives on sustainability.


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**New Manifesto
Process and Activities**

- **Draft**
- Recommendations
- Seminars
- Background papers
- Round Tables
- Website & Timeline
- Launch

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 **E·S·R·C**
ECONOMIC
& SOCIAL
RESEARCH
COUNCIL

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Produced by the STEPS Centre

Draft for discussion at roundtables

NOT FOR PUBLICATION, CIRCULATION OR CITATION

This draft document will be discussed at roundtable events throughout the world between October 2009 and March 2010. Many of the ideas, innovations or initiatives highlighted in roundtables will be featured on the site <http://anewmanifesto.org>, but will not necessarily appear in the final draft of the New Manifesto (to be launched in Spring 2010).

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**Broadening the Scope of
Innovation**





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Background Papers

- Ely, A. and Scoones, I. (2009) *The Global Redistribution of Innovation: Lessons from China and India*
- Leach, M. and Waldman, L. (2009) *Centres of Excellence? Questions of Capacity for Innovation, Sustainability, Development*
- Brooks, S., Leach, M., Lucas, H. and Millstone, E. (2009) *Silver Bullets, Grand Challenges and the New Philanthropy*
- Shah, E. (2009) *Manifesting Utopia: History and Philosophy of UN Debates on Science and Technology for Sustainable Development*,
- Millstone, E., Thompson, J. and Brooks, S. (2009) *Reforming the Global Food and Agriculture System: Towards a Questioning Agenda for the New Manifesto*
- Ely, A. and Bell, M. (2009) *The Original 'Sussex Manifesto': Its Past and Future Relevance*
- Bloom, G. (2009) *Science and Technology for Health: Towards Universal Access in a Changing World*
- Movik, S. and Mehta, L. (2009) *Going with the Flow? Directions of Innovation in the Water and Sanitation Domain*
- Van Zwanenberg, P., Ely, A. and Stirling, A. (2009) *Emerging Technologies and Opportunities for International Science and Technology Foresight*
- Ockwell, D., Ely, A., Mallett, A., Johnson, O. and Watson J. (2009) *Low Carbon Development: The Role of Local Innovative Capabilities*
- Stirling, A. (2009) *Direction, Distribution and Diversity! Pluralising Progress in Innovation, Sustainability and Development*
- Bell, M. (2009) *Innovation Capabilities and Directions of Development*
- Bell, M. (2009) *Innovation Statistics and Innovation System Models: Policy Tools and Policy-making in Developing Countries*



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Manifesto process and activities – Round Tables



The map displays the global distribution of round table activities. Pins are located in the United States, Canada, Mexico, Brazil, Argentina, Chile, Peru, Colombia, Venezuela, Ecuador, Mauritania, Mali, Niger, Chad, Sudan, Kenya, Tanzania, Botswana, Namibia, South Africa, Algeria, Libya, Egypt, Saudi Arabia, Iraq, Turkey, Poland, Germany, France, Spain, Italy, UK, Norway, Sweden, Finland, Iceland, Russia, Kazakhstan, Mongolia, China, South Korea, Japan, Thailand, Indonesia, Papua New Guinea, and Australia.



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Manifesto process and activities – Round Tables

Partners - include

- Practical Action and Tribhuvan University, Nepal
- IDS and SPRU students, faculty and alumni
- TU Delft, Netherlands
- African Technology Policy Studies Network
- Academy of Sciences for the Developing World (TWAS)
- African Centre for Technology Studies, Kenya
- Instituto Venezolano de Investigaciones Cientificas
- Marathmoli (Rural NGO, Maharashtra, India)
- Tsinghua University, Beijing
- Instituto Nacional de Tecnología Industrial, Argentina

Manifesto process and activities – WEBSITE



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NEWS & EVENTS
LATEST UPDATES
BROWSE TOPICS
SUBMIT CONTENT

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THE MANIFESTO PROJECT
In 1970 a radical document called The Sussex Manifesto helped shape modern thinking on science and technology for development. Forty years on, what kind of science and technology for development Manifesto is needed for today's world?
The STEPS Centre is creating a new manifesto with one of the authors of the original, Professor Geoff Oldham. With cutting-edge ideas and some Southern perspectives, the New Manifesto will recommend new ways of linking science and innovation to development for a more sustainable, equitable and resilient future.
[read more](#)

ROUND TABLE EVENTS
A series of worldwide roundtable events will help shape the Manifesto's agenda. Critical discussion of the draft New Manifesto will involve diverse delegates from civil society and government in both rapidly-growing and less-developed economies.
Key elements of the discussions will be incorporated as revisions to the New Manifesto, with China, South Africa, Peru, India and Mexico and Nepal among the locations taking part. Multimedia material from the events is available to view on the roundtable page along with opportunities to get involved.
[read more](#)

LATEST UPDATES
Symposium '09: final session - Responses from the international community, government, media, civil society and the private sector
The last session, chaired by Melissa Leach, invited various participants to feed back on the preceding discussions. Speakers: - David Dickson - Dr David Grimshaw - Joachim Voss - ...
Symposium '09: Session 4 - Internationalisation of science, technology and innovation policy - what room for "constitutional" reform?
In response to the set of proposals put forward in the New Manifesto (outlined by Andy Stirling), this session, chaired by Adrian Ely, discussed the potential for reform of...
Symposium '09: Session 3 - What opportunities are presented by the

BLOG

Manifesto process and activities – WIKI TIMELINE

HOME THE MANIFESTO PROJECT ROUND TABLES **TIMELINE** MULTIMEDIA PUBLICATIONS HISTORY

Timeline © SHALE

UN Conference on S&T for the Benefit of the Less Developed Countries

UNCTAD established & UNCTAD-I Geneva

Furtado 'Development and Underdevelopment'

UN Advisory Committee on the Application of Science and Technol

UNCTAD established & UNCTAD-I Geneva

Concept of 'Intermediate Technology' int

Furtado 'Development and Underdevelopment'

UN Conference on S&T for the Benefit of the Less Developed Countries

UNESCO Regional Centres for Science

UN Advisory Committee on the Application of Science and Techno

Book: Spaces

Intermediate T

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1962 1963 1964 1965 1966

TIMELINE EVENTS

Our wiki-timeline maps 40 years of science and technology for development through marking key events and publications on the calendar above (the green area shows the year of publication, while the white area above pinpoints the month). The timeline is also a 'living archive', giving access to some of these key documents. You can quickly and easily add an item to the timeline by using the web form on this page - and together we will build a valuable resource for research and action over the coming decades.

SUBMIT CONTENT TO THE MANIFESTO PROJECT WIKI TIMELINE

» GO

BROWSE TOPICS BY TAG

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Manifesto process and activities – LAUNCH

Launch Spring 2010

- multimedia manifesto – a living document
- focus on putting the Manifesto recommendations into action

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<http://www.anewmanifesto.org>