

CURRICULUM VITAE

JORGEN RANDERS

Professor
Norwegian School of Management

GENERAL INFORMATION

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Date of Birth 22 May 1945

Nationality Norwegian

Marital Status Married, one child

EDUCATION

Ph.D. Management Massachusetts Institute of Technology, 1973

Cand.real. Solid State Physics University of Oslo, 1968

PROFESSIONAL FIELD

Policy analysis, future studies, system dynamics, general management.

Appointed Professor of Policy Analysis
at the Norwegian School of Management in 1985.

PROFESSIONAL EXPERIENCE

1999- Norwegian School of Management, Oslo
 (management education)
 Professor

1994-99 WWF-World Wide Fund for Nature, Geneva
 (non governmental organization, nature conservation)
 Deputy Director General

1993 Innovation AS, Oslo

- (consultants in strategy)
Partner
- 1992-93 Full time Chairman of the Board of five companies
- 1989-91 World City AS, Oslo
(financial holding company)
Managing Director
- 1981-89 Norwegian School of Management, Oslo
(management education)
President
- 1980-81 Deminex (NORGE) AS, Oslo
(oil production)
Deputy Director
- 1980 Ministry of Long Term Planning, Oslo
(macroeconomic planning)
Analyst
- 1974-80 Resource Policy Group, Oslo
(futures research)
Director
- 1973 Massachusetts Institute of Technology
Cambridge, Massachusetts
Assistant Professor of Management
- 1970-72 Massachusetts Institute of Technology
Cambridge, Massachusetts
Researcher

CORPORATE BOARDS

- 2006- yA Bank
(internet banking)
Chair
- 2003-07 Miljøforskningssenteret AS
(research center)
Member
- 2002-03 Kanal24 Norge AS
(commercial radio)
Member
- 1999-03 eBok AS
(electronic publishing)
Chairman
- 1999-05 Egroup ASA
(internet consulting)
Member

- 1992-96 P4 Radio Hele Norge AS, Oslo
(commercial radio)
Chair
- 1992-94 David Livsforsikrings AS, Oslo
(life insurance)
Chair
- 1991- Tomra Systems AS, Oslo
(reverse vending machines)
Member
- 1989-91 Green Business AS, Oslo
(environmental goods and services)
Chair
- 1988-93 Norwegian Institute for Market Research, Oslo
(market research)
Chair
- 1988-92 The Norwegian Bank for Industry, Oslo
(banking)
Chair
- 1988-93 Åke Larson Construction AS, Oslo
(construction management)
Chair
- 1984-87 Unique AS, Sandnes
(software house)
Member
- 1983-85 Sven Sejersted Bødtker & Co. AS, Oslo
1989-93 (shipowners)
Chair
- 1983-85 Tiki Data AS, Oslo
(PC producer)
Member
- 1982-85 Åke Larson Construction AB, Stockholm
1987-92 (construction management)
Member
- 1981-85 Sunnmørsbanken Oslo AS, Oslo
(commercial banking)
Chair

CONSULTING (selected)

- 2005-06 Governmental Commission,
Ministry of Environment, Oslo
(reduction of Norway's greenhouse gas emissions)
Chair
- 2004-07 Economic Development Board of Rotterdam
International Advisory Board
(advising on sustainability issues)
Member
- 2001- HRH Prince Charles Programme on Business and the Environment
Cambridge University Program on Industry, Cambridge
(sustainable development for senior managers in multinationals)
Member of Core Faculty
- 2001- British Telecom plc, London
Leadership Panel
(advising on sustainability and corporate responsibility)
Member
- 2001-02 Global Reporting Initiative (GRI), Washington
Core Measurement Group
(global standards for sustainability reporting)
Member
- 2000-05
2007- Dow Chemical Company, Midland, Michigan
Corporate Environmental Advisory Council
(advising on sustainability and corporate social responsibility)
Member
- 1998-02 OECD, Paris
Roundtable on Sustainable Development
(sustainable development in industrial countries)
Member
- 1985-87 Commission for Health Institution Services,
Ministry of Social Affairs, Oslo
(financing and organizing Norwegian hospitals)
Member
- 1979-83 OECD, Paris
(Social effects of forest investment projects)
- 1979 United Nations Development Program (UNDP), New York.
(Planning a Petroleum Institute in Bangladesh)

NOT-FOR-PROFIT ENGAGEMENTS

- 2004 - 08 WWF International, Gland
Member of the Board

- Chairman of the Programme Committee in 2006
Member of Exco from 2006
- 2003 - The Global Footprint Network, San Fransisco
Member of the Advisory Council
- 2001 - 08 WWF-Norway, Oslo
Chair
- 2001 - Center for Corporate Citizenship
Norwegian School of Management, Oslo
Chair
- 2000 - 06 Fondation du Tour du Valat, Sambuc, France
Member of the Board
- 1976- The System Dynamics Society, Cambridge, Mass
Member. President 1985-86
- 1985-88 Norsk Forum, Oslo
Council member
- 1983-89 The Research Center of the Federation of Norwegian Labour Unions,
Council member
- 1980-86 World Futures, New York
Member of editorial council
- 1977-87 The Club of Rome, Rome
Member

PUBLICATIONS

BOOKS:

Limits to Growth - The 30 Year Update

with D.H. Meadows and D.L. Meadows, Chelsea Green Publishing Company, White River Junction, Vermont 2004

Beyond the Limits

with D.H. Meadows, D.L. Meadows, Chelsea Green Publishing House, Post Mills, Vermont 1992

Elements of the System Dynamics Method

Editor, MIT Press, Cambridge, Massachusetts 1980

Wood Resource Dynamics in the Scandinavian Forest Sector

editor with L. Lønnstedt, Studia Forestalia Suecia No. 152, Stockholm 1979

Smelteverkene i smeltingen (The Future of the Electro-Metallurgical Industry)

with L. Ervik, C. Tank-Nielsen, D. Nunn, J.W. Cappelens forlag, Oslo 1979

Skognæringen i overgangsalderen (Transition in the Forest Sector)

with L. Stenberg, K. Kalgraf, J.W. Cappelens Forlag, Oslo 1978

The Dynamics of Growth in a Finite World

with D.H. Meadows, D.L. Meadows, W.W. Behrens, R.F. Naill and E.K.O. Zahn, Wright-Allen Press, Cambridge, Massachusetts 1974

The Limits to Growth

with D.H. Meadows, D.L. Meadows and W.W. Behrens, Universe Books, New York 1972

PAPERS:

“Global Collapse – Fact or Fiction?”, **Futures**, Fall 2008 – in print

“Fremtidsbilde 2030: Er verden flat?” (“Scenario 2030: Is the world flat?”),

with A. J. Isachsen, **Magma**, Vol 10, No 1, pp 51-57, 2007

“Forecasting Turning Points in Shipping Freight Rates: Lessons from 30 Years of Practical Effort”, with U. Goluke, **System Dynamics Review**, Vol 23, No 2-3, Summer/Fall 2007

“How Can Norway Become a Climate-Friendly Society?”

with K. Alfson, **World Economics**, Vol 8, No 1, Jan-Mar 2007

“The Living Planet Index: using species population time series to track trends in biodiversity”

with J. Loh et al, **Philosophical Transactions of the Royal Society**, Vol. 360, pp 289 - 295, February 2005

“Tracking the ecological overshoot of the human economy”

with M. Wackernagel et al, **Proceedings of the (US) National Academy of Sciences**, Vol. 44, No. 14, pp 9266 - 9271, July 2002

"From Limits to Growth to Sustainable Development"
System Dynamics Review, Vol. 16, No. 3 (Fall 2000), pp 213-224

The Living Planet Report

with J. Loh et al, WWF, Gland, Switzerland 1998, 1999, 2000, 2002 and 2004

"Depressing Trends"

in Helen de Mattos-Shiple (ed), **WWF Changing Worlds**, Banson, London 1996

"The Quest for a Sustainable Society - A Global Perspective"

in G. Skirbekk, editor, **The Notion of Sustainability**, Scandinavian University Press, Oslo 1994

The Public Management of Forestry Projects

with H. Gregersen, J. Montgolfier, L. Ferrer-Martin, OECD, Paris 1986

"Guidelines for Model Conceptualization"

in B.W. Hennestad and F.E. Wenstøp, editor, **Bedriftsøkonomi og Vitenskapsteori** (Management and Theory of Science), Universitetsforlaget, Oslo 1983

"Den norske næringsstruktur i fremtiden" (Norway's Economic Structure in the Future)

Bergen Bank Kvartalsskrift, No. 1, 1981

"National Strategies to Limit the Industrial Use of Wood to the Sustainable Forest Growth"

with J. Høstelund and L. Lønnstedt, **Journal of Business Administration**, Vol. 11, No. 1 & 2, Fall 1979/Spring 1980

"Den unødvendige arbeidsløsheten" (The Unnecessary Unemployment)

with J.W. Nilsson, in **Arbeid og Inntekt** (Employment and Income), Tiden Norsk Forlag, Oslo 1980

"Watch for the Foothills: Signalling the End to Growth in a Finite World"

with W.W. Behrens, in David W. Orr and Marvin S. Soroos, **The Global Predicament: Ecological Perspectives on World Order**, The University of North Carolina Press 1979

"Petroleum: Norwegian Experience and Third World Policy"

Jamaica Journal, No. 43, pp. 69-76, 1979

"Transition Strategies for the Forest Sector"

with L. Lønnstedt, **Futures**, Vol 11, No. 3, June 1979

"Den globale økonomiske utvikling på 10-15 års sikt"

(The Global Economy of the Next 10-15 Years), **Bergen Bank Kvartalsskrift** No. 4, 1978

"How to be a Useful Builder of Simulation Models", in J. Rose (ed.)

Current Topics in Cybernetics and Systems, Springer, New York 1978

"How to Stop Industrial Growth with Minimal Pain"

Technological Forecasting and Social Change, Vol 11, p. 371, 1978

"A System Dynamics Study of the Transition from Ample to Scarce Wood Resources"
Proceedings of the XVI International Union of Forest Research Organizations' World Congress, Oslo 21-26 June 1976

"A Response to Sussex"

with D.L. Meadows, D.H. Meadows, and W.W. Behrens, **Futures** Vol. 5, No 1, February 1973

"Dynamic Modelling as a Tool for Managerial Planning: A Case Study of the US Hog Industry"

with R.F. Naill, N.J. Mass and M.K. Simpson, **Proceedings of the 1973 Summer Computer Simulation Conference**, Montreal 1973

"The Dynamics of Environmental Policy: DDT"

The International Journal of Environmental Studies, Vol. 4, p. 51, 1972

"The Dynamics of Solid Waste Generation"

with D.L. Meadows, **Technology Review**, April 1972

"The Carrying Capacity of the Globe"

with D.H. Meadows, **Sloan Management Review**, Vol 15, No. 2, 1972

"Adding the Time Dimension to Environmental Policy"

with D.L. Meadows, **International Organization**, Vol. 26, No. 2, spring 1972

POPULAR PAPERS (selected):

"Et klimavennlig Norge" (A Climate Friendly Norway), **NOU 2006:18 (Norwegian government white book No 18, 2006)**, Oslo

"Will the global oil production ever decline? If so, when and why?"

Offshore Northern Seas Conference, Stavanger 2000

"Hvilke potensielle gevinster får samfunnet av bedriftenes øko-effektive handlinger"

in **Bærekraftig utvikling – Økoeffektivitet og industriell utvikling**, Norges Forskningsråd, Oslo 2000

"Opprustning innenlands eller satsing ute"

in Morten Møller Warmedal (ed), **Utlandet Kaller**, Lex, Oslo 1999

"Siviløkonomer og fremtiden"

in **Norske Siviløkonomer gjennom 50 år**, NSF, Oslo 1989