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Dr. Roland Kupers

Personal data	Born Nov. 26 1959 in The Hague, Netherlands
Work experience	2010 – INDEPENDENT ADVISOR – COMPLEXITY, RESILIENCE, ENERGY TRANSITION Global Advisor – International Methane Emissions Observatory UNEP – 2021- initiated and designed a new €100mln climate institution hosted at UNEP with support from the European Commission, and the US government.
	Visiting Researcher - Institute for Advanced Studies University of Amsterdam 2018 –
	Professor of Practice Thunderbird School of Global Management Arizona State University- Executive Master of Arts in Global Affairs & Management- 2020-
	Visiting Professor Singapore Management University – Master of Tri-sector collaboration 2013 - 2018
	Global Methane Policy Advisor – Environmental Defense Fund – 2013 - 2020
	Senior lecturer Strategy at Nijenrode University – Complexity, Strategy and Sustainability for MBA and New Board programmes – 2003 – 2019
	Associate Fellow Oxford University Smith School of Enterprise and the Environment 2010-2017
	Guest Researcher at the Potsdam Institute for Climate Impact Research – Economic policy for climate impact mitigation for EU27 - 2010-2012
	Associate Professor, Master of Public Affairs, Sciences Po, Paris, France – Complexity and Public Policy 2010-2012
	Research Director THNK – The Amsterdam School for Creative Leadership 2012-2013
	1999 - 2009 ROYAL DUTCH SHELL
	Various positions at Shell, including:
	Vice President Global LNG
	 Head of LNG Business Unit. With 14% annual growth, no.1 market share and over \$2 bln profit, it was one of RDS' key business units.
	 As the LNG business is fundamentally a rare "network" business, where the elements are critically interdependent, the central function adds unique value and perspective.
	Vice President Sustainable Development
	 Group responsibility for the implementation, learning and communication of Shell's commitment to contribute to sustainable development. Budget € 50m.
	 Publication of the annual sustainability report and management of the Group's Corporate Identity Programme. Relationship management with key external stakeholders, internal change management programs, new social performance discipline.
	 Operationalising of \$250 mln Shell Foundation, a new registered charity in 2001.
	1998 SABBATICAL YEAR
	 Capita Selecta in Complexity and management (ref. Santa Fe Institute)
	 Organizational Learning and Transformation Management

Lectured at Nijenrode business school, McKinsey, Monitor, KPMG etc..

1986 - 1997 AT&T

	Various positions in research and management, with as final position:
	 Regional Managing Director Northern Europe As MD for AT&T Communications Services Nederland, responsibility for 80
	AT&T staff and activities in the Netherlands, from six different divisions.
	 Responsible for the AT&T business in the Benelux, Switzerland, Austria, Nordics and Baltic's. Shared revenue responsibility \$300 million.
Degrees	PHD THESIS -The complexity frame for public policy and management – Nyenrode Business University - 2014
	MASTERS DEGREE in Theoretical Physics and Computer Science - State University Groningen 1988
	BACHELORS DEGREE – Physics and Philosophy - State Univ. Groningen 1982
	LIBERAL ARTS - Vrije Hoge School –1978 BACCALAUREAT C - Lycée Français in Wash. DC, Bonn, The Hague - 1977
	DAGALAGICEATO Eyece Français în Wash. Do, Donn, The Hague 1977
Languages	Fluent in English, French, German, Italian and Dutch
Books	A CLIMATE POLICY REVOLUTION – WHAT THE SCIENCE OF COMPLEXITY REVEALS ABOUT SAVING THE PLANET, Roland Kupers, Harvard University Press 2020
	COMPLEXITY AND THE ART OF PUBLIC POLICY: SOLVING SOCIETY'S PROBLEMS FROM THE BOTTOM-UP, with David Colander, PRINCETON UNIVERSITY PRESS 2014
	THE ESSENCE OF SCENARIOS: LEARNING FROM THE SHELL EXPERIENCE, with Angela Wilkinson, AMSTERDAM UNIVERSITY PRESS 2014
	TURBULENCE – A CORPORATE PERSPECTIVE ON COLLABORATING FOR RESILIENCE, Roland Kupers (Ed.), AMSTERDAM UNIVERSITY PRESS 2014
Book chapters	COMPLEXITY, CULTURE AND BANK PRIVITISATIONS - IN FINANCE AND THE COMMON GOOD Roland Kupers
	Amsterdam University Press (2019)
	A RESILIENCE FRAME FOR SMART CITIES – IN 'CREATING, ANALYSING AND SUSTAINING SMARTER CITIES: A SYSTEMS PERSPECTIVE (EDITORS: IAN ABBOTT- DONNELLY AND HAROLD 'BUD' LAWSON Roland Kupers and Hsi Ching Song College Publications (2017)
	A COMPLEXITY LENS ON THE DUTCH ENERGY TRANSITION - IN 'GOVERNING IN AN INTERCONNECTED DYNAMIC' (IN DUTCH) Roland Kupers
	Netherlands Ministry of Economic Affairs (2017)
	IS THE CIRCLE REALLY ROUND? - CHAPTER 11 IN REFLECTIONS ON THE TRANSITION TO A CIRCULAR ECONOMY (IN DUTCH) Roland Kupers
	Netherlands School for Public Policy (NSOB) (2015)
	WHEN FUTURES LOCK-IN THE PRESENT: TOWARDS A NEW GENERATION OF CLIMATE SCENARIOS
	D. Mangalagiu, A. Wilkinson and R. Kupers Reframing the Problem of Climate Change - From Zero Sum Game to Win- Win Solutions Chapter 8 - Routledge 2011
	Assessing Green Growth: The case of Europe C. Jaeger, L. Paroussos, D. Mangalagiu, R. Kupers, A. Mandel, J. Tàbara.

Reframing the Problem of Climate Change – From Zero Sum Game to Win-Win Solutions Chapter 5- Routledge 2011

Selected Papers GREENING SCHOOLYARDS – AN URBAN RESILIENCE PERSPECTIVE Leah Flax, Renet Korthals Altes, Roland Kupers and Brett Mons Cities 106 (2020) 102890

THE ENERGY TRANSITION THROUGH A COMPLEXITY LENS Peter Sloot, Roland Kupers en Bob van der Zwaan, Rijksoverheid.nl (2019)

COMPLEXITY – A BIG IDEA FOR EDUCATION? Jane Drake, Roland Kupers and Rose Hipkins International Schools Magazine, Spring 2017

A RESILIENCE FRAMEWORK FOR SMART CITIES Roland Kupers, Song Hsi Ching Civil Service College Singapore, Nov. 2016

A CASE STUDY FOR A NEW METRICS FOR ECONOMIC COMPLEXITY: THE NETHERLANDS A. Zaccaria, M. Cristelli, R. Kupers, A. Tacchella and L. Pietronero Journal of Economic Interaction and Coordination (2015)

THRESHOLD MODELS OF TECHNOLOGICAL TRANSITIONS

P. Zeppini, K. Frenken, R. Kupers Environmental Innovation and Societal Transitions (Accepted – October 2013)

LIVING IN THE FUTURES: HOW SHELL'S SCENARIO PLANNING APPROACH DELIVERS BETTER LEADERSHIP A. Wilkinson and R. Kupers Harvard Business Review (May 2013)

How PLAUSIBILITY-BASED SCENARIO PRACTICES ARE GRAPPLING WITH COMPLEXITY TO APPRECIATE AND ADDRESS 21ST CENTURY CHALLENGES Wilkinson, R. Kupers, D. Mangalagiu Forecasting & Social Change 80 (2013) 699–710

Transformative targets in sustainability policy-making: The case of the 30 percent EU mitigation goal

J. D. Tabara, D. Mangalagiu, R. Kupers, C. Jaeger, A. Mandel, L. Paroussos Journal of Environmental Planning and Management 2012, 1–12

REINTEGRATING THE SOCIAL SCIENCES

The Dahlem Group, David Colander & Roland Kupers & Thomas Lux & Casey Rothschild, 2010. Middlebury College Working Paper Series 1033, Middlebury College

CLIMATE CHANGE POLICY. POSITIVE OR NEGATIVE ECONOMIC IMPACT? Roland Kupers, Diana Mangalagiu European Climate Forum Working Paper, (1/2010)

WHAT ORGANISATIONAL LEADERS SHOULD KNOW ABOUT THE NEW SCIENCE OF COMPLEXITY R. Kupers Complexity, Wiley (2001)

A STOCHASTIC APPROACH TO LARGE SCALE CLUSTERING OF MATTER IN THE UNIVERSE L. Pietronero, R.Kupers Fractals in Physics, North Holland Publishing, (1986) p.319

Selected Reports

RESILIENCE IN COMPLEX ORGANISATIONS Roland Kupers World Economic Forum – Global Risk Report (2018)

LEARNING FOR RESILIENCE AND COMPLEX SYSTEMS THINKING

Roland Kupers and Mark Foden The Resilience Shift (2017)

ECONOMIC COMPLEXITY

Luciano Pietronero, Masud Cader, Andrea Gabrielli, Matthieu Cristelli, Roland Kupers, Emanuele Pugliese, Andrea Tacchella, Andrea Zaccaria, Università La Sapienza – World Bank Group (June 2017)

THE OTHER KNOB: TACKLING METHANE EMISSIONS Roland Kupers Veolia Institute contribution to COP21 (2015)

ENABLING BUSINESS DECISIONS THAT INTEGRATE NATURAL CAPITAL – LEARNING FROM A COMPLEX SYSTEMS PERSPECTIVE

Roland Kupers, Mark Gough, Martin Lok, Filipa Saldanha, Richard Spencer Institute of Chartered Accountants of England and Wales (2015)

A New Growth Path for Europe

C. Jaeger, L. Paroussos, D. Mangalagiu, R. Kupers, D. Tàbara and A. Mandel German Federal Ministry for Environment, Nature Conservation and Nuclear Safety, European Climate Forum (2011)

THE OXFORD SCENARIOS: BEYOND THE FINANCIAL CRISIS

B.S. Flowers, R. Kupers, R., D. Mangalagiu, R. Ramirez, J. Ravetz, J., J. Selsky, C. Wasden, A. Wilkinson Institute for Science, Innovation and Society – University of Oxford (2010)

RE[SOURCE 2050 FLOURISHING FROM PROSPERITY: FASTER AND FURTHER Wilkinson, B.S. Flowers (editor), W. Thomas, N. Davis, A. Litovsky, R. Kupers, J. Hudson, and F. Thompson. Smith School of Enterprise and the Environment, University of Oxford (2012)

Videos

Resilience Engineering Education Roland Kupers, Mark Foden The Resilience Shift, 2017

RESILIENCE AND COMPLEXITY ARE CONNECTED - AN INTRODUCTION TO RESILIENCE Roland Kupers, Mark Foden and Mark Hainge Rockefeller Foundation 100 Resilient Cities, 2017

Selected speeches COMPLEXITY IN PRACTICE: FIVE POLICY EXAMPLES Netherland America Foundation New York City, November 15th, 2017

> COMPLEXITY AND RESILIENCE IN CITIES Future Resilient Systems programme - Singapore-ETH Centre, Singapore, October 13th, 2017

APPRENDRE LA RESILIENCE AVEC LE JEU NEXUS Villes et territoires résilient - Les colloques de Cerisy Cerisy la Salle, July 26th, 2017

RESILIENCE GARAGE - FOUR TASTER SESSIONS WITH SEOUL, GLASGOW, PANAMA CITY AND DALLAS 100RC Global Resilience Summit New York City, July 26th, 2017

A RESILIENT APPROACH TO INNOVATION COTEC annual meeting Porto, May 15th, 2017

RESILIENCE AND RISK MANAGEMENT - A PRACTICAL TOOL International Risk Governance Council IASS Potsdam, March 16th, 2017

REDUCING METHANE EMISSIONS FROM THE OIL AND GAS INDUSTRY

COP22 and the Climate and Clear Air Coalition Marrakech, November 16th, 2016

MEXICO CITY RESILIENCE GARAGE

Rockefeller Foundation 100 Resilient Cities Laboratorio para la ciudad, Mexico City, April 19-22, 2016

MITIGATING METHANE EMISSIONS

COP21 and the Veolia Institute Le Bourget Paris, December 8th, 2015

NATURE AND THE ART OF POLICY MAKING

World Forum on Natural Capital Edinburgh, November 23rd, 2015

SUSTAINABILITY - NARRATIVES AND POLICY

OECD - Complexity of the Economy: Research and Policy Implications Paris, October 26th, 2015

TOWARDS AN ADAPTIVE GOVERNMENT Ministry of Internal Affairs and Kingdom Relations Amersfoort, August 31st, 2015

COMPLEXITY, ETHICS AND ABNAMRO

The Hague Symposium on Ethics & Finance Senate Chamber - The Hague, April 15th, 2015

ENERGIEWENDE: INCREMENTAL CHANGE OR SYSTEM TRANSITION? A joint event of the Hertie School of Governance and TU-Campus EUREF Berlin, November 14th, 2014

COMPLEXITY AND THE ART OF PUBLIC POLICY

Harvard Kennedy School Cambridge, MA, September 16th, 2014

COMPLEXITY AND THE ART OF PUBLIC POLICY - with Eric Beinhocker, INET Blavatnik School of Government and the Smith School of Enterprise and the Environment Oxford, May 8th, 2014

A GREEN GROWTH PATH FOR EUROPE

7th European Conference on Sustainable Cities and Towns, April 2013 Vienna, January 2013

UNE NOUVELLE VOIE DE CROISSANCE POUR L'EUROPE

Comité Scientifique et Industriel dese TABLES RONDES DE L'ARBOIS, Aixen-Provence, April 2013

CROISSANCE VERTE: LES ALLEMANDS SAVENT-ILS QUELQUECHOSE QUE NOUS NE SAVONS PAS?

Office Cheroufiens des Phosphates Paris, December 2012

ECONOMIC MODELS AND GLOBAL CHALLENGES

BEPA, the Bureau of European Policy Advisors, European Commission, Brussels, October 2011

LEARNING WITH FUTURES (with Angela Wilkinson) WRR - Scientific Council for Government Policy The Hague, June 2010

THE OXFORD SCENARIOS: BEYOND THE FINANCIAL CRISIS Cambridge Sustainability Programme, Cambridge, May 2010

THE ENERGY AND ENVIRONMENT POLICY PROCESS GSD BIG STEP conference Brussels, April 2010

	 How do companies make decisions under uncertainty Certain or uncertain: an adventure around uncertainty and science - Netherlands Royal Academy of Science (KNAW) Amsterdam, April 2008 THE FUTURE OF ENERGY – SHELL SCENARIOS Honours Class Erasmus University Economics Faculty Rotterdam, December 2006 THE CRITICAL ROLE OF GLOBAL CORPORATIONS – How does global Business IMPACT SOCIETY? Dräger Foundation – VII Zavikon Conference, Dresden, Feb 2003 SCENARIOS FOR PROTECTED AREAS International Union for the Conservation of Nature Gland – April 2003 "THE EARTH SUMMIT LISTENED TO THE VOICES OF BIG BUSINESS, NOT THE NEEDS OF THE PLANET" Oxford Union Oxford, October 2002
	World Summit on Sustainable Development (WSSD)Johannesburg, September 2002CORPORATE SOCIAL RESPONSIBILITYACDE Christian Employers
	Buenos Aires, May 2002
Recognition	2024 Rockefeller Foundation Bellagio Residency
Governance	INTERNATIONAL METHANE EMISSIONS OBSERVATORY – Governance Committee – 2021 -
	 MIGRANT NATION – global migration – Board member – 2020 -
	ENVIRONMENTAL DEFENSE FUND EUROPE – Board member – 2018 -
	 DE GIDS – Literary magazine - Board member – 2018 -
	 TOMOKO MUKAIYAMA FOUNDATION – Cultural foundation - Board member – 2017-
	New Economics Metrics – fintech company – Managing Director – 2015-
	HESTER VAN EEGHEN BV (design company) – Director – 1988 - 2023
	 NETHERLANDS ORGANISATION FOR SCIENTIFIC RESEARCH (NWO) - Advisory Board Complexity – 2011-2018
	LEAD INTERNATIONAL - Chairman of the board of Trustees – 2010-2014
	GLOBAL SYSTEM DYNAMICS & POLICY - Advisory Board - 2010-2012
	SHELL GAS AND POWER INT'L BV - Managing Director - 2005-2010
	ERASMUS UNIVERSITY ROTTERDAM - Member Business Advisory Council IBEB – 2005-2007
	STICHTING BEELDENDE KUNST (art foundation) -Board member -1998-2005
	 ROYAL DUTCH/SHELL GROUP COMMITTEES - Secretary of Sustainable Development, Brand and reputation, Social Investment - 2001-2003
	SHELL SERVICE INTERNATIONAL - Executive Committee -1999-2001
	AT&T COMMUNICATIONS SERVICES BV - Managing Director-1995-1997
Other interests	 Carpentry, yoga, sculpture, literature, theater, ski-trekking, reading The Economist