



## CURRICULUM VITAE

<b>Name</b>	<b>Professor Dr. Helga Nowotny, Ph.D.</b>  born in Vienna, Austria Austrian citizenship
<b>Current Position</b>	Professor em. Science and Technology Studies, ETH Zurich; Former President, European Research Council, ERC;
<b>Address</b>	CSH Complexity Science Hub Metternichgasse 8 AT-1030 Vienna, Austria e-mail: <a href="mailto:nowotny@csh.ac.at">nowotny@csh.ac.at</a> personal homepage: <a href="http://www.helga-nowotny.eu">www.helga-nowotny.eu</a>
<b>Fields of research</b>	Science and technology studies, STS; science and innovation policies; social time; risk and uncertainty; women in science; societal impact of digitalization
<b>Degrees</b>	Habilitation, University of Vienna, 1982 Habilitation, University of Bielefeld, 1980  Ph.D. in Sociology, Columbia University, New York, 1969 Doctor juris, University of Vienna, 1959
<b>Previous Positions</b>	President of the European Research Council, ERC, March 2010- December 2014; Vice-President 2007- February 2010; Founding Member 2006  Professor of Science and Technology Studies, ETH Zurich, 1996-2002; Director, "Collegium Helveticum", ETH Zurich, 1998-2002; Founding Director "Society-in-Science: The Branco Weiss Fellowship", 2004, ETH Zurich  Professor of Science and Technology Studies, Institute for Theory and Social Studies of Science, University of Vienna, 1987-1996  Associate Professor, University of Vienna, 1982-1987  Executive and Founding Director of the European Center, 1974-1987  Research Fellow, King's College, Cambridge, UK, 1972-1973  Associate Professor and Head, Department of Sociology, Institute for Advanced Studies, Vienna, 1969-1972  Assistant Professor Institute for Criminology, University of Vienna, 1960-1964

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**Visiting Professorships**

Visiting Professor Nanyang Technological University Singapore, 2017-2022

Wissenschaftskolleg zu Berlin, 1981-1982; 2003-2004;  
Guest of the Rector, Sept-Dec 2014

Permanent Fellow, Collegium Budapest/Institute for Advanced Study, 1992-1996

Visiting Professor, Institute for Advanced Studies, Vienna, 1994

Directeur d'Etudes, Ecole des Hautes Etudes en Sciences Sociales (EHESS), Paris, 1992, 1990

Maitre d'Etudes, Maison des Sciences de l'Homme, Paris, 1987

Resident, Rockefeller Foundation, Conference and Study Centre, Bellagio, 1988

Visiting Professor, Science Center for Social Sciences, WZB Berlin, 1985, 1989

Visiting Professor, University of Bielefeld, Faculty of Sociology, 1978-1979

Visiting Professor, Summer Academy, Consortium for History of Science, Berlin, 1993

Visiting Professor, Dutch Summer School in Science and Technology Studies, Twente, 1990

**Awards and Honours**

Foreign Member, The Royal Swedish Academy of Sciences

Foreign Member, Accademia Nazionale Dei Lincei

Foreign Member, Accademia delle Scienze di Torino

Foreign Member, Royal Society of Science at Uppsala

Member, Royal Flemish Academy of Belgium for Science and the Arts

Member, Acatech, Germany

Member, Academia Europaea, London

Honorary Member, Austrian Academy of Science

Honorary Degree of Doctor of Letters, Oxford University

Ph.D. Honoris Causa, Weizmann Institute of Science

Doctor Honoris Causa, The Chinese University of Hong Kong

Doctor Honoris Causa, University of Bergen

Doctor Honoris Causa, University of Edinburgh

Doctor Honoris Causa, University of Lancaster

Doctor Honoris Causa, University of Leuven

Doctor Honoris Causa, Lund University

Doctor Honoris Causa, Leuphana Universität Lüneburg

Doctor Honoris Causa, University of Twente

Gold Medal of the Academia Europaea

Leibniz-Medaille of the Berlin-Brandenburg Academy of Sciences and Humanities, Berlin

British Academy President's Medal

Distinguished Senior Scientist by the Johanna Quandt Young Academy at Goethe (JQYA)

Honorary Senator, University of Vienna

First Yehuda Elkana Fellowship Award, Central European University, Bard College and IWM

Dorothea-Schlözer-Medaille, University of Göttingen

American Association for the Advancement of Science, AAAS, Fellow

Technische Universität München, TUM, Distinguished Affiliated Professor

John Desmond Bernal Prize for Distinguished Contribution to the Field, Society for the Study of Science

Arthur-Burkhardt-Preis

Österreichisches Ehrenkreuz für Wissenschaft und Kunst I. Klasse,

Großes Silbernes Ehrenzeichen für Verdienste um die Republik Österreich

Preis der Stadt Wien für Geisteswissenschaften,

Goldenes Ehrenzeichen für Verdienste um das Land Wien

**Recent Books and  
publications  
(selected)**

Future Needs Wisdom. An Intellectual Memoir. Chinese University of Hong Kong Press, 2024

Die KI sei mit euch. Macht, Illusion und Kontrolle algorithmischer Vorhersage. Matthes & Seitz Berlin, 2023

未來的錯覺, the Chinese University of Hong Kong Press, 2023

“AI and the illusion of control”, Proceedings of the Paris Institute for Advanced Study, 2024

“AI as an Agent of Change”. (with Ine Van Hoyweghen and Jos Vandewalle) KVAB Position paper 85 b, 2023

La fe en la inteligencia artificial. Los algoritmos predictivos y el futuro de la humanidad. Galaxia Gutenberg, 2022

Le macchine di Dio. Gli algoritmi predittivi e l'illusione del controllo, LUISS University Press, 2022

In AI We Trust. Power. Illusion and Control of Predictive Algorithms, Polity Press, 2021

In Artificial Intelligence We Trust: How the COVID-19 Pandemic Pushes Us Deeper into Digitalization, In: Gerard Delanty (ed.) *Pandemics Politics, and Society, Critical Perspectives on the Covid-19 Crisis.* De Gruyter, 2021

Life in the Digital Time Machine. The Wittrock Lecture Book Series, No.II. Swedish Collegium for Advanced Study, Uppsala 2020

A Manifesto for Social Progress. Ideas for a Better Society, Marc Fleurbaey et al., Cambridge University Press, 2018

Rethinking Society for the 21st Century  
Report of the International Panel on Social Progress  
Cambridge University Press, 2018

An Orderly Mess, CEU Press, Budapest, 2017

Eigenzeit. Revisited in: "Die Zeit der Algorithmen" Matthes & Seitz: Berlin, 2016

The Cunning of Uncertainty, Cambridge: Polity Press, 2015; PB 2017

Naked Genes, Reinventing the human in the molecular age, (with Giuseppe Testa), MIT Press, Cambridge Mass., 2011; Die Gläsernen Gene, Die Erfindung des Individuums im molekularen Zeitalter (with Giuseppe Testa), Frankfurt a.M.: Edition Unsel, 2011

Cultures of Technology and the Quest for Innovation (ed.), New York, London: Berghahn Books, 2006

Unersättliche Neugier: Innovation in einer fragilen Zukunft, Berlin: KadmosVerlag, 2005; Curiosity insaziabile. L'innovazione in un futuro fragile. Torino: Codice edizioni, 2006; Insatiable Curiosity, Innovation in a Fragile Future, MIT Press, Cambridge: Mass., 2008

The Public Nature of Science under Assault: Politics, Markets, Science and the Law. Heidelberg, New York: Springer 2005 (with D. Pestre, E. Schmidt-Aßmann, H. Schulze-Fielitz, H.H. Trute)

Re-Thinking Science. Knowledge and the Public in an Age of Uncertainty. Oxford: Polity, 2001 (with P. Scott, M. Gibbons); Wissenschaft neu denken: Wissen und Öffentlichkeit in einem Zeitalter der Ungewissheit. Velbrück, 2004; Repenser la science. Savoir et société à l'ère de l'incertitude. Paris, Belin; Chinese translation by Chinese Academy of Science

Es ist so, es könnte auch anders sein. Über das veränderte Verhältnis von Wissenschaft und Gesellschaft, Frankfurt a.M.: Suhrkamp, 1999

After the Breakthrough; the Emergence of High-temperature Superconductivity as a Research Field, Cambridge: Cambridge University Press, 1997 (with U. Felt)

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The Sociology of the Sciences, Cheltenham: Elgar, 1996 (with K. Taschwer)

Wissenschaftsforschung: Eine Einführung, Frankfurt a.M.: Campus, 1995 (with U. Felt, K. Taschwer)

The New Production of Knowledge. The Dynamics of Science and Research in Contemporary Societies, London: Sage 1994 (with M. Gibbons, C. Limoges, S. Schwartzman, P. Scott, M. Trow)

Self-Organization: Portrait of Scientific Revolution, Dordrecht and Boston: Kluwer Academics Publishers, 1990 (with G. Küppers, W. Krohn)

Eigenzeit. Entstehung und Strukturierung eines Zeitgefühls, Frankfurt a.M.: Suhrkamp, 1987; Le Temps à soi: Genèse et structuration d'un sentiment du temps. Maison des Sciences de l'Homme; Tempo Privato. Origine e struttura de concetto di tempo. Bologna: Il Mulino; Time. The Modern and Postmodern Experience. Cambridge: Polity Press, 1994

Über den Umgang mit Unsicherheit. Die Entdeckung der Gestaltbarkeit von Gesellschaft. Frankfurt a.M.: Suhrkamp, 1987 (with A.Evers)

Wie männlich ist die Wissenschaft? Frankfurt a.M.: Suhrkamp, 1982 (with K. Hausen)

More books and more than 300 articles in scientific journals.

#### **Professional Services (current)**

Complexity Science Hub Vienna, Chair of the Scientific Advisory Board, 2015-

Centre de la Recherche Interdisciplinaire, CRI, Paris, Chair of the International Scientific Advisory Board, 2015-

Falling Walls Foundation, Member of the Board of Trustees, 2011-

Falling Walls, Jury Scientific Breakthroughs of the Year, Chair, 2020 and 2021

University of Amsterdam, Institute of Complexity Science, Scientific Advisory Board, 2016-

Johannes Kepler University, Linz Institute of Technology, LIT, Member of the Advisory Council, 2018-

#### **Past Professional Services (selected)**

Lindau Nobel Laureate Meetings, Vice-President of Council, 2015-2023

Museum für Naturkunde, Berlin, Board of Trustees, 2021-2022

ERA Council Forum Austria, Chair, 2014-2019

Austrian Institute of Technology, AIT, Strategic Research Advisory Board, Vice-Chair, 2013-2021

Ludwig Maximilian University Munich, Hochschulrat, 2011-2016

Institut des Etudes Avancées de Paris, Scientific Advisory Board, 2014-2021

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IMT School for Advanced Studies Lucca, Scientific Advisory Board, 2018-2020

European Research Advisory Board of the European Commission, EURAB, Chair, 2001-2005

University of Vienna, Scientific Advisory Board, Chair, 2005-2011

Holberg Prize Academic Committee, University of Bergen, Chair, 2008-2014

Fondation Maison des Sciences de l'Homme, Conseil d'Administration, 2015-2016

Institute for Human Sciences, Vienna, Board of Trustees, President, 2015-2016

Swedish Collegium for Advanced Study, Uppsala, Advisory Board, Chair, 2007-

Fondation Institut d'Etudes Avancées Nord-Sud, Nantes, Board of Trustees, 2006-2015

ESOF, Various Advisory Committees, Chair and Member, 2012, 2010, 2008, 2006

Zukunftskolleg Konstanz, Scientific Advisory Board, 2012-2014

Max-Planck-Gesellschaft, Senate, Observer, 2011-2013

Royal Society, London, The Scientific Century, 2009

Collegium Budapest/Institute for Advanced Studies, Scientific Advisory Board, Chair, 2001-2006

Institute Para Limes, Netherlands, Scientific Advisory Board, 2006-2009

Wissenschaftszentrum Berlin, Board of Trustees, 1996-2007

Georg-August-Universität Göttingen, Board of Trustees, Vice-Chair, 2003-2005

Central European University, Budapest, Planning and Advisory Board, Chair, 2002-2004

International Society for the Study of Time, President, 1992-1995

European Science and Technology Assembly, ESTA, European Commission, Vice-Chair, 1997-1998

University of Sussex, Brighton, Science Policy Research Unit (SPRU), Advisory Panel, 1994

Institut Wiener Kreis", Vienna, Scientific Board

Internationales Forschungszentrum Kulturwissenschaften, Wien, Vice-President, 1992-1995

IIASA, Laxenburg, Austria, Steering Committee on Global Environmental Change, 1992-1994

Institut für die Wissenschaft vom Menschen, Vienna, Advisory Board, 1991-2014

Max-Planck Institut für Bildungsforschung, Max Planck Society, Scientific Board, 1991-2000

Royal Swedish Academy of Sciences, Stockholm, Beijer Institute for Ecological Economics, Scientific Board, 1991-1997

Academia Europaea, London, Executive Council, 1991-1994

Bergen Conference "Sustainable Development, Science and Policy", General Rapporteur, 1990

European Science Foundation, Strasbourg, Standing Committee for the Social Sciences, Chair, 1985-1992

Institut für Höhere Studien/Institute for Advanced Study, Vienna, Board of Trustees, 1984-1998

Science, AAAS, Board of Reviewing Editors

Social Studies of Science, Editorial Advisory Board

## Online presence during the pandemic

### 2022

#### **Il futuro resta incerto. Il paradosso dell AI**

*Wired Next Fest 2022*

<https://nextfest2022-firenze.wired.it/>

#### **In AI We Trust Power, Illusion and Control of Predictive Algorithms**

*AI talks @ ETUI, 26 April 2022*

<https://www.etui.org/events/ai-we-trust-power-illusion-and-control-predictive-algorithms>

#### **Digitaler Humanismus, Menschlichkeit in Zahlen**

*Renner Institute Vienna, 28 March 2022*

<https://renner-institut.at/blog/digitaler-humanismus-menschlichkeit-in-zahlen>

#### **Digital Humanism. An Interdisciplinary Challenge. A Challenge for Interdisciplinarity?**

*4th Workshop on Digital Humanism: Towards a Research and Innovation Roadmap, 3-4*

*March 2022*

<https://www.youtube.com/watch?v=7btATq4DmRc>

#### **Trusting in AI...or Do We?**

*The Deep Dive Podcast, 24 February 2022*

<https://podcasts.google.com/feed/aHR0cHM6Ly93d3cudGhZGVlcGRpdmVwb2QuY29tL3Jzcw/episode/ZjViNzUxM2EtNjI4NC00ZjcxLWl0YTUtMmM1ODAzNjE1NDNi?sa=X&ved=0CAUQkfYCahcKEwj4t4rZypj2AhUAAAAAHQAAAAAQAAQ>

#### **Science without borders: Why European trusted partnerships matter more than ever**

*Science|Business Annual Network Conference, 8 February 2022*

<https://www.youtube.com/watch?v=IUYGtetgo3c>

**In AI We Trust Power, Illusion and Control of Predictive Algorithms**

*Aus Kreiskys Wohnzimmer Bruno Kreisky Forum für internationalen Dialog, Vienna, 1 February 2022*

<https://www.youtube.com/watch?v=-ZiCvYmQTfU>

**In AI We Trust Power, Illusion and Control of Predictive Algorithms**

*New Books Network in Science, Tech and Society podcast channel, 20 January 2022*

<https://newbooksnetwork.com/in-ai-we-trust>

**2021****In AI We Trust, Power, Illusion and Control of Predictive Algorithms**

*ERC Scientific Brussels, 13 December 2021*

<https://www.youtube.com/watch?v=DDkEjazLi9M>

**AI Between Scientific Research And Societal Impact**

*New Center for Artificial Intelligence and Machine Learning TU Wien, 2 December 2021*

<https://www.youtube.com/watch?v=BZEBl6A9wec>

**Social Science since AI: Challenges and Controversies**

*Special lecture by Helga Nowotny and Anthony Elliott, hosted by Keio University and the University of South Australia, 15 November 2021*

<https://www.unisa.edu.au/research/hawke-eu-centre-for-mobilities-migrations-and-cultural-transformations/NewEvents/socialsciencesinceai/>

**Complexity Science zwischen neuem Weltbild und Pandemie-Management**

*Laudatio Watzlawick Ehrenring 2021, 7 October 2021*

<https://www.facebook.com/WienerVorlesung/videos/235706471923250>

**The Imaginary Dialogue Between Science and the Public: Searching for Institutional Robustness**

*Berliner Empfang 2021-2022, Institute for Advanced Study, Berlin, 27 September 2021*

<https://www.wiko-berlin.de/wikothek/multimedia/berliner-empfang-2020-mit-helga-nowotny-und-barbara-stollberg-rilinger>

**In AI We Trust. Power, Illusion and Control of Predictive Algorithms**

*Hawke EU Jean Monnet Centre of Excellence 2021 Annual Lecture, 20 July 2021*

<https://www.unisa.edu.au/research/Hawke-EU-Centre-for-Mobilities-Migrations-and-Cultural-Transformations/NewEvents/jean-monnet-annual-lecture-by-professor-helga-nowotny/>

**In AI We Trust. Power, Illusion and Control of Predictive Algorithms**

*Yehuda Elkana Fellowship Lecture, 22 June 2021*

<https://www.iwm.at/event/in-ai-we-trust-power-illusion-and-control-of-predictive-algorithms>

**Digitaler Humanismus - Welcher Ethik bedarf es für das digitale Zeitalter und wie sieht eine Utopie für die digitale Gesellschaft aus?**

*BSA Doebling, 17 February 2021*

<https://doebling.bsa.at/veranstaltungen/2021-02-17/digitaler-humanismus-im-gesprch-mit-helga-nowotny-julian-nida-rmelin>

**2020****Late Work: From Recreation to Re-Creation**

*12th Peter Drucker Forum, 28-30 October 2020*

<https://www.youtube.com/watch?v=BE4HpH5dZBY>

**Die Stunde der Wissenschaft? Policy Making und Transdisziplinarität in der Pandemie**

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ETH Zurich, 15 October 2020

<https://video.ethz.ch/speakers/collegium-helveticum/transdisziplinaritaet/pandemie.html>

**Wie geht es weiter?**

*25 Jahre Universität Weiterbildung Festveranstaltung anlässlich des Jubiläums der Donau-Universität Krems*, 2 October 2020

<https://www.youtube.com/watch?v=rh9Bp54fcLo>

**Frontier research in Europe: reflecting on the past, looking to the future**

*ESOF2020 Trieste*, 3 September 2020

<https://www.youtube.com/watch?v=gGhW-drOiGA>

**Complexity Science: Corona and the Consequences**

*European Forum Alpbach 2020*, 28 August 2020

<https://vimeo.com/452606953/3bc4e38be4>

**Sharing Social Science Knowledge on Pandemics, Covid-19: What's next?**

*LUISS Master Classes 2020*, 26 May 2020

<https://www.youtube.com/watch?v=H4KZu1KSKil&t=7s>

**Dialogues for Tomorrow**

*Eine digitale Gesprächsreihe der Universität für angewandte Kunst Wien*, 14 May

[https://www.dieangewandte.at/dialogues\\_for\\_tomorrow](https://www.dieangewandte.at/dialogues_for_tomorrow)

**COVID-19 and Horizon: What is to be done?**

*Science Business Online Webinar*, 8 April 2020

<https://sciencebusiness.net/events/covid-19-and-horizon-what-be-done>

**Life in the Digital Time Machine**

*2nd SCAS Wittrock Lecture, Swedish Collegium*, 25 February

[http://www.swedishcollegium.se/subfolders/News/2020/Wittrock%20Lecture%202020\\_200227.htm](http://www.swedishcollegium.se/subfolders/News/2020/Wittrock%20Lecture%202020_200227.htm)