



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Bedřich Moldan**
Address Na Kuthence 8, 160 00 Prague 6 (Czech Republic)
Telephone(s) +420-233333805
Nationality Czech
Date of birth 15 August 1935
Gender Male

Work experience

Dates	1992 →
Occupation or position held	Director
Name and address of employer	Charles University Environment Center José Martího 2, 162 00 Praha 6 (Czech Republic)
Type of business or sector	Environmental Research
Dates	2011 →
Occupation or position held	Professor
Name and address of employer	Faculty of Humanities U Kříže 8, 156 00 Praha 5 (Czech Republic)
Type of business or sector	University Education
Dates	2004 - 2010
Occupation or position held	Senator
Name and address of employer	Parliament of the Czech republic, Senate Valdštejnské náměstí, 118 00 Praha 1 (Czech Republic)
Type of business or sector	Parliament
Dates	1990 - 1992
Occupation or position held	Member of Parliament
Name and address of employer	Česká národní rada (Czech Parliament) Sněmovní, 118 00 Praha 1 (Czech Republic)
Type of business or sector	Parliament
Dates	1990 - 1991
Occupation or position held	Minister
Main activities and responsibilities	Minister of the Environment of the Czech Republic
Name and address of employer	Ministry of the Environment of the Czech Republic Vršovická 65, 100 10 Praha 10 (Czech Republic)
Type of business or sector	Ministry
Dates	1958 - 1989
Occupation or position held	Various positions
Main activities and responsibilities	various positions from laboratory chemist to Head of the Biogeochemistry Unit

Name and address of employer Geological Survey of Czechoslovakia
Malostranské náměstí, 118 00 Praha 1 (Czech Republic)

Type of business or sector Geology

Education and training

Dates 2011

Title of qualification awarded Doctor Honoris Causa

Principal subjects / occupational skills covered Ecological Sciences and Environmental Protection

Name and type of organisation providing education and training Jan Evangelista Purkyně University
Ústí nad Labem (Czech Republic)

Dates 1997

Title of qualification awarded Full Professor

Principal subjects / occupational skills covered Environmental Science

Name and type of organisation providing education and training Charles University, Faculty of Natural Sciences (Public university)
Albertov 6, 128 43 Praha 2 (Czech Republic)

Dates 1992

Title of qualification awarded Associate Professor

Principal subjects / occupational skills covered Geochemistry

Name and type of organisation providing education and training Charles University, Faculty of Natural Sciences (Public university)
Albertov 6, 128 43 Praha 2 (Czech Republic)

Dates 1964

Title of qualification awarded CSc. (Candidate of Sciences)

Name and type of organisation providing education and training Charles University, Faculty of Natural Sciences (Public university)
Albertov 6, 128 43 Praha 2 (Czech Republic)

Dates 1953 - 1958

Title of qualification awarded RNDr.

Principal subjects / occupational skills covered Analytical Chemistry

Name and type of organisation providing education and training Charles University, Faculty of Natural Sciences (Public University)
Albertov 6, 128 43 Praha 2 (Czech Republic)

Level in national or international classification ISCED 5

Personal skills and competences

Mother tongue(s) **Czech**

Other language(s)

Self-assessment
European level ()*

English

German

Russian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Additional information

Occupation and public offices:

Ministry of the Environment of the Czech Republic, Advisor to the Minister, 2002 – 2004

Czech National Statistical Council, member, 2002 –

Joint Institute for Environmental Studies of the Czech Academy of Sciences and Charles University, Director, 2001 -

Wim Kok's high-level group on the Lisbon strategy, member, Brussels, 2004

European Environment Agency, Copenhagen, Scientific Committee, member, 1999 – 2002, Chairman, 2002 – 2004

The UN Commission of Sustainable Development, Chairman, 2000-2001, Vice-chairman, 1993-1994

Delegation of the Czech Republic for negotiation on accession to the European Union, member, and Negotiator for Environment, Science and Education, 1998-2001

The European Consultative Forum on the Environment and Sustainable Development, Brussels, member, 1998-2001

Millennium Ecosystem Assessment, Coordinating Lead Author, 2001 - 2004

SCOPE, Paris, Secretary General, 1998-2001, Treasurer, 1992-1998. Project "Indicators of Sustainable Development", Chairman, 1994-1997. Project "Biogeochemistry of Small Catchments", Chairman, 1988-1994, "Value of indicators of Sustainable Development", Chairman, 2003 - 2004

Regional Environmental Center, Budapest, General Assembly, member, 2001, Board of Directors, Chairman, 1993-2001, member of General assembly, 2001 –

Engineering Academy of the Czech Republic, member, 1997 –

"Teplice" Program (a large-scale, long-term environmental study), Scientific Board, Chairman, 1993-2000

Ministry of Foreign Affairs of the Czech republic, Advisor to the Minister, 1991 - 1995

United Nations Conference on Environment and Development, Chairman of the PrepCom Working Group III., Vice-Chairman and Rapporteur of the Main Committee, 1991-1992

Czech Union of Nature Conservation (the largest Czech green NGO), Chairman, 1991-1997, Chairman of Honorary Council, 1998 –

Czech National Climate Program, Chairman 1991 - 1998, Vice-chairman, 1998 –

Secretary and Vice-Chairman of the Ecological Section (the most important green NGO in Czechoslovakia during the Communist rule), 1978-1992

Secretary of the Czechoslovak Spectroscopic Society, 1976-1986

Geological Survey of Czechoslovakia, various positions from laboratory chemist to Head of the Biogeochemistry Unit, 1958-1989

Other Positions

Member of the preparatory Committee of UN Conference Rio+20, 2010-2012

Coordinating Expert Commission for Research Priorities of the Czech Republic, member, 2011 –

Panel for Centers of Excellence, Technological Agency of the Czech Republic, member, 2011 -

Ambassador for Environment, named by the German Foreign Relations Society, 2007-

Chemical-Technical University, Prague, member of the Scientific Board, 2005 –

Czech National Sustainable Development Council, member and Chairman of the Strategy Committee, 2003 -

Ministry of the Environment of the Czech Republic, Scientific Board, Vice-chairman, 2002 –

IUCN, Commission on Ecosystem Management, member, 2001 -

Czech National Statistical Council, member, 2001 -

Czech Union of Nature Conservation, Honorary council, Chairman, 2000 -

Masaryk University Brno, Scientific Board of the Department of Humanistic Environmental Science, member, 1999 -

Tereza (NGO focused on environmental education, Scientific Council, member, 1998-

Engineering Academy of the Czech Republic, member, 1997 –

National Institute of Public Health of the Czech Republic, Scientific Board, member, 1996 -
Czech National Commission for UNESCO, member, 1995 -
Institute of Environmental Protection of the Faculty of Natural Sciences of the Charles University,
Scientific Board, member, 1995 –
Business Leaders Forum Czech Republic, Chairman of the Jury for Project Evaluation, 1993.-
SEVEn, Energy Efficiency Center, Board of Directors, Vice-chairman, 1992 -

Important Past Positions and Achievements

Jan Evangelista Purkyně University in Ústí nad Labem, member of the Scientific Board, 2007 – 2011
Parliament of the Czech Republic, Senate, Senator, 2004 - 2010
Scientific Committee on Problems of Environment (SCOPE), Paris, Project “Assessment of
Sustainability Indicators”, Chairman, 2003 – 2007
Shadow Cabinet of the opposition Civic Democratic Party, Minister of the Environment, 2003 – 2006
European Environment Agency, Copenhagen, Scientific Committee, member, 1998 – 2002,
Chairman, 2002 – 2006
Acid Rain 2005 Conference, International Scientific Committee, Chairman, 2002 - 2005
OECD Ad Hoc Working Group on Sustainable Development, Paris, Czech Representative, 2001 –
UNDP/RBEC Advisory Board, New York, 2001 - 2004
High-level group on Lisbon strategy (Kok group), Brussels, member 2004
Ministry of the Environment of the Czech Republic, Advisor to the Minister, 2002 – 2004
Ministry of Foreign Affairs of the Czech Republic, Vice-Chairman of the Ad Hoc Working Group on
Sustainable Development and Chairman of the Sub-Group on Indicators (Czech counterpart of the
OECD Group), 2001 – 2003
Millennium Ecosystem Assessment, Coordinating Lead Author, 2001 - 2004
Czech National Committee for IIASA, member, 2001 - 2004
National Program of Research of the Czech Republic, Chairman of the Panel on the Environment,
2000 – 2003
European Bank for Reconstruction and Development, London, Environment Advisory Committee,
member, 1999 – 2004
Czech National Mineral Resources Council, 1999 – 2003
Czech National Climate Program, Chairman 1991 - 1998, Vice-chairman, 1998 –2004
Josef a Petra Vavroušek Foundation, Board, Chairman, 1997- 2004
The UN Commission of Sustainable Development, Chairman, 2000-2001, Vice-chairman, 1993-1994
Delegation of the Czech Republic for negotiation on accession to the European Union, member, and
Negotiator for Environment, Science and Education, 1998-2001
SCOPE, Paris, Secretary General, 1998-2001, Treasurer, 1992-1998. Project “Indicators of
Sustainable Development”, Chairman, 1994-1997. Project “Biogeochemistry of Small Catchments”,
Chairman, 1987-1993
The European Consultative Forum on the Environment and Sustainable Development, Brussels,
member, 1997-2001
Regional Environmental Center, Budapest, Board of Directors, Chairman, 1993-2000
OECD Environmental Outlook and Strategy, Paris, Steering Committee, member, 1999-2001
National Program of Research of the Czech Republic, Chairman of the Panel on the Environment,
2000 – 2002
“Teplice” Program (a large-scale, long-term environmental study), Scientific Board, Chairman,
1993-2001
Ekofilm, yearly International Film Festival, President, 1996-2000
Czech Union of Nature Conservation (the largest Czech green NGO), Chairman, 1991-1997
United Nations Conference on Environment and Development, Chairman of the PrepCom Working
Group III., Vice-Chairman and Rapporteur of the Main Committee, 1990-1992

Czech Parliament, Member, 1990-1992

Minister of the Environment of the Czech Republic, 1989-1991

Secretary and Vice-Chairman of the Ecological Section (the most important green NGO in Czechoslovakia during the Communist rule), 1978-1990

Lecturer on Environmental Geochemistry at Charles University, 1978-1998

Secretary of the Czechoslovak Spectroscopic Society, 1976-1986

Geological Survey of Czechoslovakia, various positions from laboratory chemist to Head of the Biogeochemistry Unit, 1958-1989

Important Research and Activities

Development of indicators of sustainable development within various projects (1992-)

Towards Sustainability in the Czech Republic – Building National Capacities for Sustainable Development (Director of the UNDP financed project, 1997-2001)

Quantification of Environmental Liabilities (Head of the MoE financed project, 1997-1998)

Photochemical Air Pollution in Prague (Holder of the Asahi Glass Foundation Comprehensive Research Grant, 1994-1998)

Economic Information, Accounting and Instruments for Environmental Protection in the Czech Republic (Head of the UNDP financed Project, 1994-1998)

Education for Sustainable Development (Head of the Phare project, 1994-1996)

Indicators of Sustainable Development (Chairman of the international SCOPE project, 1994-1997)

Biogeochemistry of Small Catchments (Chairman of the international SCOPE project, 1988-1994)

Awards

Palacký University Olomouc, Medal, 2010

Jan Evangelista Purkyně University, Ústí n. L., Medal, 2010

SCOPE/Zhongyu Environmental Award, Shanghai, 2010

Charles University Rector's Award for the best monograph in 2009

Charles University Prague, Faculty of Sciences, Gold Medal, 2005

Masaryk University Brno, Gold Medal, 2005

Regional Environment Center, Hungary, special award, 2000

Czech Union of Nature Conversation, special award, 1997

Country Study of the Czech Republic, outstanding partnership award, 1997

Czech Academy of Sciences, medal, 1995

United States Agency for International Development, Certificate of Appreciation, 1994

Society of Jan Evangelista Purkyně, medal, 1993

United Nations Conference on Environment and Development, honour, 1992

Publications

Author, co-author and editor of several hundreds of scientific papers, articles, chapters in monographs and books, translations and editions in the field of analytical chemistry, atmospheric chemistry, biogeochemistry, environmental science, economy, education, policy and environment in general.

Selected Books and Monographs

Rubeska, B. Moldan (1969): Atomic Absorption Spectroscopy, 189 pp. SNTL Prague, Iliffe, London (in Czech and in English)

D.H.Meadows et al. (1972): The Limits to Growth. Czech Translation by B. Moldan (1972), Ústřední ústav geologický, Prague

- B. Moldan et al. (1972): *Geology and the Environment*, 141 pp. Academia Prague (in Czech)
- B. Moldan et al. (1974): *Geochemistry of the Atmosphere*, 202 pp. Academia Prague (in Czech)
- B. Moldan, J. Jeník, J. Zyka (1979, Second Edition 1989, translation 1988): *The Environment as Seen by a Scientist*, Academia Prague, *Visa Skola Kiev* (in Czech and in Russian)
- B. Moldan et al. (1983): *Report on the Environment in Czechoslovakia*, 80 pp. Ecological Section Prague. (An influential report, originally secret but deliberately leaked to the West)
- B. Moldan, T. Paces (1984): *The End of the Wasteful Age*, 252 pp. Mladá fronta Prague (in Czech)
- B. Moldan (1985): *Will Technology Survive the Year 2000?* 159 pp. SNTL Prague (in Czech)
- B. Moldan et al.: (1990 and 1992): *Environment of the Czech Republic*, 250 pp. Academia Prague (in Czech and in English)
- B. Moldan (1991): *Atmospheric Deposition: A Biogeochemical Process*, 108 pp. Academia Prague (in English)
- B. Moldan (1991): *Rainbow Program, Environmental Recovery Program for the Czech Republic*, 193 pp. Academia Prague (in Czech and in English)
- B. Moldan (1992): *Ecology, Democracy, Market*, 120 pp. Informatorium Prague (in Czech)
- B. Moldan (1992): *Atmospheric Deposition in Czechoslovakia 1976 - 1987*, 44 pp. National Climate Program Prague (in Czech)
- B. Moldan, Ed. (1993): *Risk of Climate Change and Strategies for Mitigation*. National Climate Program Report No. 10, Prague, 174 pp. (in Czech)
- B. Moldan (1993): *The UNCED: Documents and Comments*, 260 pp. Management Press Prague (in Czech)
- B. Moldan, J. Cerny, Eds. (1994): *Biogeochemistry of Small Catchments: A Tool for Environmental Research*, 450 pp. SCOPE Report No. 51, John Wiley Chichester (in English)
- B. Moldan (1994): *Environment: A Global Perspective*, 111 pp. Karolinum Prague (in Czech)
- B. Moldan, B. Sobisek (1996): *Country Study of Climate Change for the Czech Republic*, 132 pp., National Climate Program Prague (in Czech and in English)
- B. Moldan (1996): *Indicators of Sustainable Development*, 87 pp. Ministry of the Environment Prague (in Czech)
- J. Kalvova, B. Moldan (1996): *Climate and its Change due to Greenhouse Gases Emissions*, 121 pp. Karolinum Prague (in Czech)
- J. Klarer, B. Moldan, Eds. (1997): *The Environmental Challenge for Central European Economies in Transition*, 292 pp. John Wiley Chichester (in English)
- J.L.Schnoor, J.N.Galloway, B.Moldan (1997): *East Central Europe: An Environment in Transition*. ES&T, vol. 31, No.9, pp. 412-416
- B. Moldan, S. Billharz, Eds. (1997): *Indicators of Sustainable Development*, 420 pp. John Wiley, Chichester (in English)
- B. Moldan (1997): *Nature and Civilization*, 147 pp. SPN Prague (in Czech)
- B.Moldan et al. (1998): *Economic Aspects of Environmental Protection. Situation in the Czech Republic*. 337 pp. Karolinum Prague (in Czech and in English)
- B.Moldan and T.Hák, Eds. (2001): *Czech Republic 2000: Ten Years on: Environment and Quality of Life*, 50 pp., Charles University Environment Center, Prague (in English)
- B.Moldan (2001): *Ecological Dimension of Sustainable Development*, 102 pp., Karolinum Prague (in Czech)
- B.Moldan (2001): *(Un)sustainable Development: Hope or Threat*, 132 pp., Karolinum Prague (in Czech)
- B. Moldan et al. (2002): *Draft National Strategy for Sustainable Development*, 56 pp., Charles University Environment Center (in Czech and in English)
- B. Moldan, T. Hák, H. Kolářová, Eds., (2002): *Sustainable Development in the Czech Republic: Capacity Building. Final Report of the UNDP financed project in 5 Volumes*. Charles University Environment Center (in Czech)
- B. Moldan Ed. (2003): *World Summit on Sustainable Development*, 168 pp., Ministry of the Environment, Prague, (in Czech)
- J. Melillo, C. Field, B. Moldan Eds., (2003): *Interaction of Biogeochemical Cycles*, SCOPE 62, 227 pp.,

Island Press Washington

B. Moldan (member of the team of the authors) (2003): Ecosystem and Human Well-being: A Framework for Assessment, Millennium Ecosystem Assessment, 245 pp., Island Press Washington

B. Moldan (member of the team of the authors) (2005): Ecosystem and Human Well-being: Vol. III, Responses 582 pp., Island Press, Washington

B. Moldan, A.L.Dahl (2007): Challenges to Sustainability Indicators. In: T. Hák, B. Moldan, A.L.Dahl (Eds.): Sustainability Indicators, SCOPE 67, Island Press Washington, 413 pp.

B. Moldan, T. Hák (2007): Environment in the Czech Republic: A Positive and Rapid Change. Environmental Science and Technology, Vol. 41, No 2, 358 – 362

B.Moldan (2009):A Subdued Planet, 411pp., Karolinum Prague (in Czech)