

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name **BERGENDORFF, MADS**

Address **EGILSGADE 27A 1.TV, DK-2300 Copenhagen,  
Denmark**

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E-mail [\*\*mads@macroplan.dk\*\*](mailto:mads@macroplan.dk)

Nationality Danish

Date of birth 18 APRIL 1971



WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

**OCTOBER 2005 – PRESENT**

Macroplan Consulting ([www.macroplan.dk](http://www.macroplan.dk)), Overgaden Neden Vandet 45 5., DK-1414 Copenhagen K, Denmark

Consulting in transport, management & EU projects

Director & Executive consultant (Macroplan Consulting is founded by Mads Bergendorff)

Personally owned company, working as a high-level independent consultant within the four main areas holistic learning, strategy and organisational development, environment and rail transport consulting, and EU project & process consulting.

Company references:

- [Community of European Railways and Infrastructure Managers \(CER, Brussels\)](#): Organisation of high-level conference "Fighting Climate Change - The Potential of rail transport" (26<sup>th</sup> of June 2007).
- [International Union of Railways \(UIC, Paris\)](#): Finalisation of the UIC Environment indicator leaflet (330) and guideline (March – July 2007).
- [Danish National Railways \(DSB, Copenhagen\)](#): Documentation of the IC4 environmental performance and compliance with contract (October 2006).
- [Railway Safety and Standardisation Board \(RSSB, London\)](#): Review of sustainable development plans for the British railway sector 2030 (October 2006).
- [International Union of Railways \(UIC, Paris\)](#): Subproject leader and member of Technical Management Team in "Railenergy" project since the project start early September 2006.
- [International Union of Railways \(UIC, Paris\)](#): Preparation of and lead negotiator on behalf of the consortium (28 partners) behind the integrated project "Railenergy" with the European Commission. 8 Million Euro grant awarded (November 2005 – April 2006)

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**JUNE 2001 TO SEPTEMBER 2005**

International Union of Railways (UIC), 16 rue Jean Rey, F-75015 Paris, France [www.uic.asso.fr](http://www.uic.asso.fr)  
Railways

Senior Advisor Environment

International high-level technical and policy advisor to the Executive Board of UIC in environment issues and project management of a variety of projects. Responsible for the sustainability unit at UIC with two persons and annual budget of 220.000 € plus projects.

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Personal Milestones (2001 - 2005):

- Preparation of UNEP railway report on sustainable development and participation in the World Summit on Sustainable Development in Johannesburg 2002.
- Development of the UIC Sustainable mobility Strategy Framework approved by the assembly of active members November 2001.
- UIC Environment Indicator Leaflet and background report, 2002/2004.
- Development and approval of the UIC Sustainable mobility action plans (2003-4).
- Management, planning and supervision of projects – see page 6 in this CV. Development of an internal as well as external environmental communication strategy for railways including setting up of web sites and member relations.
- Policy and organisational development as well as technical contributions within the fields of noise, diesel emissions, energy efficiency, and eco-procurement for railway rolling stock.
- Policy development within the fields of climate change and participation in the UNFCCC meetings for COP 7, 9, and 10.

ADDITIONAL POSITIONS HELD AT UIC:

- Member of and UIC representative in the EU Steering Group Environmental Noise to follow Directive 2002/49/EC
- Member of and UIC representative in the EU WG for Railway Noise
- Member of and UIC representative in the EU CALM noise research network
- Chairman and member of the research Sub Commission Energy efficiency
- Member of the UIC Steering Group Noise action programme
- Member of the UIC Expert group Noise and vibrations
- Member of the UIC R&D co-ordination group for the EU FP6
- Member of and secretary to the UIC/CER WG Environment
- Member of the UIC WG Environmental indicators
- Member of and secretary to the UIC WG Environmental communication strategy
- Member of and secretary to the UIC Steering Group Vegetation Control – use of pesticides

INTERNATIONAL CONFERENCES AND WORKSHOPS

Attendance with a platform (PL) / poster (PO) presentation at the following major conferences:

- UIC/UNIFE 3<sup>rd</sup> Network Meeting on procurement and environment 26 April 2005, PL
- COP 10 (UN Framework Convention on Climate Change) side event “Keep Kyoto on track”, 6 December 2004, PL
- 8<sup>th</sup> UIC Environmental Co-ordinators Conference, Berlin, 18-20 November 2004, PL
- 6<sup>th</sup> American Railroad environmental Railroad Conference, Illinois, 12-14 October 2004, PL
- 8<sup>th</sup> International Workshop on Railway Noise, Buxton, 8-11 September 2004, PL
- REPID / PROSPER 2<sup>nd</sup> Network Meeting, Krefeld (D), 30-31 March 2004, PL
- 2<sup>nd</sup> UIC Railway Energy Efficiency Conference, Paris, 4-5 February 2004, PL
- 5<sup>th</sup> American Railroad environmental Railroad Conference, Illinois, 4-6 November 2003 (UIC Environmental Indicators), PL
- World Congress on Railway Research, Edinburgh, 29 September – 1 October 2003, PO
- REPID/PROSPER 1<sup>st</sup> Network Meeting 1-2 April 2003, PL
- EU European Transport and Energy Research conference, Seville, May 2002, PL
- UIC/EU conference on rail environmental indicators 31 May/1 June 2001, PL

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Organisation of or part of the program committee of the following major rail conferences / workshops:

- 1<sup>st</sup> European Rail Freight Noise Abatement workshop, Paris, 25<sup>th</sup> October 2005
  - 8<sup>th</sup> UIC Environmental Co-ordinators Conference, Berlin, 18-20 November 2004
  - 2<sup>nd</sup> UIC Railway Energy Efficiency Conference, Paris, 4-5 February 2004
  - European strategies for noise abatement, DG TREN & EU WG 6 Railway Noise, Bruxelles, 29 October 2003
  - 7<sup>th</sup> UIC Environmental Co-ordinators Conference, Rome, 19-21 September 2002
- OECD/UIC/BV Conference: "Is rail on track?", Eskilstuna, Sweden, November 2001, Presentation of the EST project "EST goes East".

#### PUBLICATIONS

- Journal of sound and vibration 293 (2006) "Implementing the retrofitting plan for the European rail freight fleet", P.H. de Vos, M. Bergendorff, M. Brennan, F. van der Zijpp, accepted 26 August 2005, available online 9 March 2006
- UIC/CER Brochure: "Railway and the Environment, building on the railways' environmental strengths", November 2004
- European Railway Review, Article on REPID and PROSPER, (Issue 2, April 2004), [www.railway-procurement.org](http://www.railway-procurement.org)
- International Railway Journal, co-ordinating editor for a special issue "Railways for Sustainability", contributing author of articles on energy efficiency and diesel emissions (February 2004)
- Brochures and CD-ROMs for the WSSD in Johannesburg (August 2002)
- Editor & Responsible author for the UNEP Railway Sector Report for the WSSD in Johannesburg 2002 (UK, 2002), <http://www.unep.fr/outreach/wssd/docs/sectors/final/railways.pdf>
- UIC/CER Railway & Environment "Climate Change" (September 2001)

• Dates (from – to)

- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

#### MARCH 1999 – JUNE 2001

The Danish Railways (DSB), Sølvgade 40, DK-1349 Copenhagen K, Denmark, [www.dsb.dk](http://www.dsb.dk)  
Railways

Environmental engineer

Full time working as an environmental engineer in DSB, the Danish State Railways in Copenhagen, Denmark with 2 main tasks:

- Project co-ordinator for DSB in the EU 5th FP R&D project RAVEL (Design for Environment Environmental Performance Indicators framework for rail vehicles (Under the BRITE-EURAM framework programme). Member of the project management team.
- Environmental assessment (LCA) of complex railway rolling stock tenders and setting up environmental requirements to suppliers in various EU regulated invitation to tenders. A significant part was policy and strategy development.

Personal Milestones (1999 – 2001):

- Development of a Strategy Framework for the central environmental Policy Office at DSB, April 2000.
- Co-ordination of a new procurement policy and action plan for environmentally friendly products ("Green Procurement Policy") for DSB approved by the management board, August 2000.
- Completion of standardised environmental requirements and indicators in the ITT, environmental evaluation of this tender and negotiation phase, November 2000 for a 5Billion DKK (700 M€) railway rolling stock tender for 90 "IC4" DMU rail cars.
- Approval by the technical Directors of the Nordic railways (NSB, SJ, VR, and DSB) of the "Nordic Environmental Manual" in Stockholm November 1999. The manual still serves as the State of the Art regarding environmental requirements to rolling stock at operator level in the railway sector for later UIC and EU projects PROSPER, RAVEL and REPID.
- Founder and editor of the DSB environment newsletter

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- Main activities and responsibilities

#### **FEBRUARY 1995 – AUGUST 1998**

The Danish Railways (DSB), Sølvgade 40, DK-1349 Copenhagen K, Denmark

Railways

Student worker (20 hours a week)

Worked for DSB during the engineering studies on part time basis. The work included life cycle assessment of products and materials in tenders and procurement phase of different projects with additional tasks in relation to their environmental management system.

First international experience with the establishment, conductance and project management of an environmental project among the Nordic railways resulting in the making of the “Nordic Environmental Manual” 1997-98.

### **EDUCATION AND TRAINING**

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

September 1991 - February 1999

Technical University of Denmark (DTU), DK-2800 Kgs. Lyngby, Denmark

- Title of qualification awarded
- Level in national classification (if appropriate)

- Elementary mathematics, physics and chemistry, statistics, geology, hydrology, soil-, water-, and air pollution, life cycle assessment of technical systems and products (LCA)
- Bachelor project: Responsible for establishment of an environmental management system (according to the standard BS 7750 – before ISO 14000 – and EMAS) including occupational health at a Q8 lubrication factory in Copenhagen, Denmark.
- LFPI: Cross professional course concerning learning, project management, and innovation processes with special focus on bipolar management (Lærestalernes Fælles Projektleder- og Innovationskursus, 15 ECTS credits)
- LFM: Cross professional course concerning sustainable development with special focus on ecological space (Lærestalernes Fælles Miljøkursus, 15 ECTS credits).
- Advanced Energy Planning: Introduction to politics and several models for energy planning. IRP, simulations, demand side Management (5 ECTS credits)
- Strategic Planning: Introduction to several strategic tools in public planning (5 ECTS credits)
- Master project: “Sustainable development in a local perspective – a community case study in North-eastern Thailand” regarding local environmental and energy planning in North-eastern Thailand. Based on the UN Agenda 21 structure and qualitative participatory investigation methods of selected households, the result of the project was a sustainable development plan to be used by the mayor in a small community.

M.Sc. Environmental Engineering

N.A.

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
  - Level in national classification (if appropriate)

August 1987 – June 1990

Allerød Gymnasium (High school), Rådhusvej 1, DK-3450 Allerød, Denmark

Majors mathematics and physics

High school graduate

N.A.

## PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career  
but not necessarily covered by formal  
certificates and diplomas.*

### MOTHER TONGUE

### OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

### SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in  
multicultural environments, in positions  
where communication is important and  
situations where teamwork is essential  
(for example culture and sports), etc.*

### ORGANISATIONAL SKILLS AND COMPETENCES

COORDINATION AND  
ADMINISTRATION OF PEOPLE,  
PROJECTS AND BUDGETS; AT  
WORK, IN VOLUNTARY WORK (FOR  
EXAMPLE CULTURE AND SPORTS)  
AND AT HOME, ETC.

### DANISH

ENGLISH	FRENCH	GERMAN	SWEDISH	NORWEGIAN
EXCELLENT	GOOD	GOOD	EXCELLENT	EXCELLENT
EXCELLENT	BASIC	BASIC	GOOD	GOOD
EXCELLENT	GOOD	GOOD	GOOD	GOOD

MADS BERGENDORFF IS WELL QUALIFIED IN INTERNATIONAL TEAMWORK. THIS SKILL WAS DEVELOPED IN HIS MASTER PROJECT INVOLVING LOCAL PEOPLE IN NORTH-EASTERN THAILAND AND HAS MATURED IN HIS POSITION IN PARIS (2001-2005). HE POSSESSES EXCELLENT COMMUNICATION SKILLS BOTH (ORAL AND WRITTEN) AS WELL AS INTERCULTURAL UNDERSTANDING. WHEN MEETING NEW CULTURES, HE IS CONCERNED ABOUT THE HUMAN RELATIONS DUE TO A DEEP RESPECT AND OPEN MIND.

### STAY OR RESIDENCE ABROAD:

- SECONDMENT TO AND STAY IN PARIS AS SENIOR ADVISOR FOR ENVIRONMENT AT UIC, JUNE 2001 – OCTOBER 2005.
- STAY IN NAKHON RATCHASIMA, NORTH-EASTERN THAILAND FOR 4 MONTHS IN 1998 WITH STUDY TRIPS TO SEVERAL THAI PROVINCES (ENGINEERING MASTER PROJECT TOGETHER WITH MR. LARS ØRN RASMUSSEN).
- HIGH SCHOOL STAY IN FORT PIERCE, FLORIDA, US FOR 5 MONTHS IN 1990. POST HIGHSCHOOL EXPERIENCE WITH STAY IN INTERNATIONAL DORMATORY.
- SEVEN SHORTER TRIPS TO EASTERN EUROPE COUNTRIES FROM 1995-1996, INCLUDING ENVIRONMENT STUDY TRIP TO THE CZECH REPUBLIC AS A PART OF A CROSS PROFESSIONAL COURSE LFM (SEE PAGE 4).

### VOLUNTARY WORK & LEISURE TIME ACTIVITIES:

- TEAM LEADER OF THIS TOP3 SWIM TEAM IN DENMARK AND VOLUNTARY COMMITTED TO THIS IN HIS YEARS OF SWIMMING (1984-1999), INCLUDING CO-EDITOR OF THE SWIM TEAM NEWSLETTER.
- IN HIS SPARE TIME HE IS USUALLY THE DRIVING FORCE IN ANY TEAM ACTIVITY OR BY SOCIAL EVENTS AND HAPPENINGS.

### PROFESSIONAL WORK:

MADS BERGENDORFF HAS OPERATED IN INTERNATIONAL PROJECTS FOR EIGHT YEARS STARTING ALREADY AS A PROJECT CO-ORDINATOR FOR A NORDIC MANUAL FOR ENVIRONMENTAL REQUIREMENTS AND INDICATORS TO RAILWAY ROLLING STOCK MATERIAL IN 1997.

HIS MAJOR STRENGTHS ARE A SOLID PRACTICAL BACKGROUND IN POLITICAL ORGANISATIONS COMBINED WITH ABILITY TO STAY FOCUSED AND STILL KEEPING THE OVERVIEW. HE HAS BEEN MEMBER OF VARIOUS INTERNATIONAL SPECIALISTS AND WORKING GROUPS FOR NOISE, ENERGY EFFICIENCY AND DIESEL EMISSIONS AS WELL AS ENVIRONMENTAL STEERING GROUPS.

### PROJECT MANAGER FOR THE FOLLOWING INTERNATIONAL PROJECTS:

- REPID: "RAIL SECTOR FRAMEWORK AND TOOLS FOR ENVIRONMENTAL PERFORMANCE INDICATORS AND DATA FORMATS", [AUGUST 2002 – JULY 2004], EU FUNDED "5FP", 257.000 €
- IMPLEMENTATION STUDY "STATUS AND OPTIONS FOR NOISE REDUCTION IN THE EUROPEAN FLEET OF FREIGHT WAGONS IN "EU25+" COUNTRIES [JANUARY – DECEMBER 2003], CO-FUNDED WITH THE RAIL ASSOCIATIONS CER, UNIFE, UIP, UIRR, AND EU DG TREN, 360.000 €

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PLANNING AND SUPERVISION OF PROJECT MANAGERS IN THE FOLLOWING INTERNATIONAL PROJECTS:

- EU INTEGRATED PROJECT R&D PROPOSAL "RAILENERGY" FOR FP6 CALL 3B, [PROPOSAL APPROVED] EU/PROJECT CONSORTIUM ~20 MILLION €
- EU FUNDED "RAIL DIESEL STUDY" AS PART OF THE UIC DIESEL ACTION PLAN [NOVEMBER 2004 – OCTOBER 2005], CO-FUNDED WITH UNIFE, EUROMOT, CER AND DG TREN ~430.000€
- PROSPER I/II "PROCEDURES FOR ROLLING STOCK PROCUREMENT WITH ENVIRONMENTAL REQUIREMENTS" [2001 – 2005], UIC 160.000 €
- EU RAIL GRINDING STUDY BY THE ODS CONSORTIUM [SEPTEMBER 2003 – MARCH 2004], DG TREN 30.000 €
- FEASIBILITY STUDY, "HARMONISED METHODS FOR MEASURING RAIL TRACTIVE ENERGY CONSUMPTION" [JULY 2003 – JANUARY 2004], UIC 30.000 €
- ELECTROMAGNETIC FIELDS SCOPING & MAIN STUDY [2002-2004], UIC 80.000 €
- EVENT "EVALUATION OF ENERGY EFFICIENT TECHNOLOGIES FOR RAIL TRACTION AND RAILWAY OPERATION" [2002], UIC 210.000 €, [WWW.RAILWAY-ENERGY.ORG](http://WWW.RAILWAY-ENERGY.ORG)

VOLUNTARY WORK & LEISURE TIME ACTIVITIES:

- MEMBER OF A NETWORK GROUP FOR YOUNG DANISH ENVIRONMENT ENGINEERS 2000 (KLØR FEM)
- MEMBER OF THE BOARD FOR THE COMPETITION SWIM CLUB RAP BLOVSTRØD 1997-99
- COACH FOR SEVERAL TEAMS (CHILDREN, ADULTS, COMPETITION) IN THE SWIM CLUB RAP BLOVSTRØD 1984-1999
- VOLUNTARILY WORK IN THE SWIM CLUB RAP BLOVSTRØD 1984-1999
- MEMBER OF THE DANISH NATIONAL SWIM TEAM 1989-1998, TEAM LEADER 1996
- VERY SKILLED AND EXPERIENCED WITH MS WORD AND EXCEL (SINCE 1995).
- KNOWLEDGE OF AND USER EXPERIENCE WITH MS PROJECT AND MS ACCESS.
- VERY SKILLED IN POWERPOINT PRESENTATIONS, COMPLETED COURSE IN INTRODUCTION TO PRESENTATION TECHNIQUES (COPENHAGEN, 1999).
- COMPLETED COURSE IN THE WEB SITE CREATION PROGRAM "DREAMWEAVER" (JUNE 2002).

TECHNICAL SKILLS  
AND COMPETENCES

*With computers, specific kinds of equipment, machinery, etc.*

ARTISTIC SKILLS  
AND COMPETENCES

*Music, writing, design, etc.*

OTHER SKILLS  
AND COMPETENCES

*Competences not mentioned above.*

DRIVING LICENCE(S)

ADDITIONAL INFORMATION

ANNEXES

PLAYS THE PIANO AND SING FROM TIME TO TIME.

EXPERIENCED SAILOR ON YACHTS OF AROUND 40-50 FEET (DANISH INNER WATERS AND THE NORTH SEA). OWNER OF SMALL SAILING BOAT WHICH REQUIRES MANY HOURS OF ARTISTIC WORK AS AN ENGINEER IN PRACTICE.

EXERCISE SWIMMING (NOW ONLY NON-PROFESSIONAL), AND WATERSPORTS (SEASONAL)

Yes, for car and motor cycle (A and B)

REFERENCE: UIC EX-Deputy Executive and Technical Director Mr. Werner Breitling, [breitling@uic.asso.fr](mailto:breitling@uic.asso.fr) Tel. +33 1 44 49 20 15

N.A.