CV for Robert Axelsson

Name: Robert Axelsson
Date of birth: February 9, 1965 (650209-6958)
Address:
Schelinska gatan 4
732 32 Arboga
Nationality: Swedish
Family situation: Married with three children
Language and degree of proficiency:
Swedish – Excellent
English – Excellent
German – Poor
I am used to express myself both by writing and speaking in both Swedish and English.
Computers and degree of proficiency: Excellent, I am familiar with software ranging from normal office applications to webpage development, administrative systems for book keeping, salaries, different expert applications and administration of computer systems
Countries of work experience: Canada, China, Denmark, Estonia, Finland, Lithuania, Philippines, Poland, Russia, Singapore, Sweden, Taiwan, Thailand and Ukraine

Summary
I have a broad experience from national and international environmental projects, as a former employee at SMHI, as a selfemployed consultant and as an employee of the Swedish University of Agricultural Sciences, ranging from smaller monitoring projects for construction of windmill parks to large projects like the environmental impact assessment studies for the Öresund bridge, Air Quality Management in large international cities, mainly in SE Asia, international research collaboration, a EU funded project for collaborative processes towards sustainable forest management, numerous scientific projects and expeditions mainly to eastern European countries and efforts to integrate with end-users and stakeholders to contribute to the sustainable development process. In 1996 I participated in the AQNIS project, one of the first internet based environmental information systems that was developed and launched for the Pollution Control Department of Thailand in 1996. After 5 years (1998-2003) as a self-employed consultant in SE Asia I moved back to Sweden for university studies, during 2004 to 2009 I received exams in biology (BSc), biology/landscape ecology (MSc), forest management (PhL) and collaboration for sustainable development (PhD defense on 20091211). Since 2005 I have been involved with several different research and development projects in Sweden and internationally as an employee and PhD student of the Swedish University of Agricultural Sciences. I believe in collaborative processes towards sustainable development and to prevent conflicts. Since January 2009 I am the chairman of Sustainable Bergslagen an NGO that promotes sustainable development as a collaborative process with large landowners, forest companies, a landowners association, the Swedish Church, a tourism operator, project Bergskraft, some municipalities and others as participants. As a researcher I have worked to reach out and to involve end-users and stakeholders in the research process to be able to

produce useful knowledge that could assist sustainable development and solve real world problems.

Professional background
2005-2009 PhD student and project manager at the School for Forest Engineers, the Swedish University of Agricultural Sciences

2003-2005 Studies at Örebro University, Mälardalen University, Uppsala University and the Swedish University of Agricultural Sciences

1998-2003 Manrax AB, self-employed, work with project management, Air Quality Management and environmental-IT-technical projects, sales and marketing related to environmental projects, in Estonia and South East Asia from a base in the Philippines.

1990-1998 Swedish Meteorological and Hydrological Institute, project manager, environmental projects, software systems, system administration, customer support, design and installation of monitoring systems.

1986-1987 Maxab Fastigheter AB, Arboga, administrative/economy computer systems, real estate business, leading the staff.

1984-1985 Köping Arboga Målarna AB, leading the staff, estimating, book keeping

Formal education
PhD dissertation on 20091211. Thesis about collaborative processes towards sustainable development titled: Landscape approach for sustainable development: from applied research to trandisciplinary knowledge production.

PhL in Forest management, September 2008. Licentiate thesis titled: Forest policy, continuous tree cover forest and uneven-aged forest management in Sweden's boreal forest.

MSc in biology/landscape ecology, November 2005, Swedish University of Agricultural Sciences, Forest faculty, landscape ecology. Thesis on ecologically adapted forest management.

BSc in biology, July 2005, Örebro University. Thesis about biodiversity in Panay Island, an internationally recognized centre of endemism, Western Visayas, Philippines.

1988-1989 equivalent to 18 months of computer science and mathematical courses, , University of Linköping, Sweden.

Student Examen, 3 year Natural Science and Computer Course, 1982-84, Ullviskolan, Köping, Sweden.

Other training
Hewlett Packard Sweden training program on system administration and IT security for UNIX and Windows, 1996-1997

Swedish Meteorological and Hydrological Institute training to perform scientific work, 1990-1998:

- calibration installation and operation of fixed and mobile instruments
- data collection, communications and systems set-up
- data evaluation, treatment, analysis and quality assurance
- quality assurance of the production process
- programming of computers, loggers, instruments, systems and Internet applications
- system administration of Unix and Windows based computer systems and networks
- setup, installation and support of Air Quality Management systems, data collection systems, and Internet based Environmental Information Systems.

Swedish Meteorological and Hydrological Institute training for project managers, 1996-1998:
Training in project management and customer usefulness.

Other experiences
Arboga municipal board for environmental issues and visions (Arboga Kommuns Miljövårdsråd), member, 2005-2007

Örebro University Biological Society, chairman 2004-2005 (first chairman) Member of the board, 2005-2006

Department of Science, Örebro University, member of the board, 2003-2005

Swedish Society for Nature Conservation (Naturskyddsföreningen), Arboga section, member of the board, 2005-2006

Swedish- Russian trade collaboration, member of working group for sustainable forest management, 2008-

Euroscapes- an international NGO with researchers and media people in Sweden and eastern Europe, board member, 2006-

Sustainable Bergslagen (a platform for stakeholder collaboration), chairman of the board, 2009-

Department of foreign affairs reference group for Sweden's chairmanship of the Barents Council, representative of the Swedish University of Agricultural Sciences, 2009-

Scientific publications (not fully updated after 2008)
Axelsson, R. 2009. Landscape approach for sustainable development: from applied research to transdisciplinary knowledge production. Doctoral thesis Swedish University of Agricultural Sciences.

Axelsson, R., Angelstam, P., Svensson, J. 2007. Natural forest and cultural woodland with continuous tree cover in Sweden: How much remains and how is it managed? Scandinavian Journal of Forest Research 22: 545-558.

Elbakidze, M., Angelstam, P., and Axelsson, R., 2007. Sustainable forest management as an approach to regional development in the Russian Federation: State and trends in Kovdozersky Model Forest in the Barents region. Scandinavian Journal of Forest Research 22: 568-581.

Elbakidze, M., Angelstam, P., Sandström, C., and Axelsson, R., In press. Multi-stakeholder collaboration in Russian and Swedish Model Forest initiatives: adaptive governance towards sustainable forest management? Ecology and Society.

Other articles with peer review in books and proceedings.

Axelsson, R. and Angelstam, P. (2006) Biosphere Reserve and Model Forest: a study of two concepts for integrated natural resource management. In: B. Frostell (ed.). Science for Sustainable Development - Starting Points and Critical Reflections, Proceedings from the 1st VHU Conference on Science for Sustainable Development, Västerås, Sweden 12-14 April, 2005.

Elbakidze, M., Angelstam, P., Axelsson, R., Blicharska, M., Mikusiński, G. 2007. W strone zrownowazonych krajobrazow: potrzeba oceny i syntezy doswiadczen wspolpracy transgranicznej na wschodniej granicy Unii Europejskiej. Giordano, C., Legutko-Kobus, P. (eds.) Mozliwosci miedzynarodowej wspolpracy w dziedzinie ochrony srodowiska i wrazania zrownowazonego rozwoju w nowym okresie programowania Unii Europejskiej (2007-2013). Catholic University, Lublin. pp: 77-90.

Axelsson, R., Angelstam, P., Elbakidze, M. 2008. Landscape approaches to sustainability. In: Frostell, B., Danielsson, Å., Hagberg, L., Linnér, B.-O. & Lisberg Jensen E. (Eds.) science for sustainable development - The social challenge with emphasis on the conditions for change. VHU, Uppsala, pp. 169-177.

Elbakidze, M., Angelstam, P., and Axelsson, R. 2008. Evaluation of implementation initiatives for sustainable landscapes: comparative analyses of three Model Forests in North West Russia. WWF Russia.

Elbakidze, M., Angelstam, P., Axelsson, R., Blicharska, M., Mikusiński, G. (2008) Towards sustainable landscapes: the need for evaluation and syntheses of experiences from transboundary co-operation along EU's eastern border. In: Giordano, C., Legutko-Kobus, P. (eds.) Possibilities of international cooperation in nature protection and sustainable development in the frame of EU programes (2007-2013). Catholic University, Lublin.

Angelstam, P., Elbakidze, M., Axelsson; R., Törnblom, J. 2009. Sustainable Forest Management from policy to practice, and back again: landscapes as laboratories for knowledge production and learning in the Carpathian Mountains. In: Soloviy, I.P. and W.S. Keeton (eds.). Ecological Economics and Sustainable Forest Management: Developing a trans-disciplinary approach for the Carpathian Mountains.Ukrainian National Forestry University Press, Lviv, Ukraine. pp. 389-414.

Angelstam, P., Axelsson, R., Törnblom, J., Elbakidze, M. 2009. Seven steps towards knowledge production and learning for sustainable forest landscape management and governance. In: Spidsø, T.K., Sørensen, O.J. (ed.). The last large intact forests in Northwest Russia. TemaNord 53:123-136. Nordic Council of Ministers, Copenhagen.

Angelstam, P., Axelsson, R., Törnblom, J., Elbakidze, M., Davydov, A.N., Chumachenko, S., Sørensen, O.J. 2009. Sustainable Forest Management: from policy to practice by communication, education and public awareness using landscapes as laboratories in Fennoscandia and NW Russia. In: Spidsø, T.K., Sørensen, O.J. (ed.). The last large intact forests in Northwest Russia. TemaNord 53:179-198. Nordic Council of Ministers, Copenhagen.

Angelstam, P., Törnblom, J., Axelsson, R., Elbakidze, M., Andersson, K. 2009. The challenge of governing and managing a riverine landscape – towards integrative knowledge production. In: Breuste, J., Kozova, M, Finka, M. (eds.) European landscapes in transformation – challenges for landscape ecology and management. pp. 256-259.

Angelstam, P., Axelsson, R., Elbakidze, M., Blicharska, M., Castro-Larrañaga, M., Mani, S. Törnblom, J. In press. Landscape approaches for sustainability: learning from global, European and Indian concepts. In: Bengs, C. (Ed). pp. xx-xx.

Angelstam, P., Axelsson, R., Elbakidze, M., Törnblom, J. In press. Seven steps of knowledge production and learning for sustainable landscapes: the need for intercontinental comparisons. In: Bengs, C. (Ed). pp. xx-xx.

Elbakidze, M., Angelstam, P., Axelsson, R., Blicharska, M. 2009. Towards sustainable landscapes: the need for evaluation and syntheses of experiences from cross-border co-operation along EU's easter border. In: Breuste, J., Kozova, M, Finka, M. (eds.) European landscapes in transformation – challenges for landscape ecology and management. pp. 41-44.

Reports

Jougda, L., Svensson, J., Angelstam, P., Axelsson, R., Liedholm, H., Ederlöf, E., et al. (2006). Arenor för hållbart brukande av landskapets alla värden - Begreppet Model Forest som ett exempel. Skogsstyrelsen Rapport 7 – 2006, Jönköping.

Sandström, U.G., Angelstam, P., Axelsson, R., Elbakidze, M., and Törnblom, J. (2007). Difficulties concerning spatial planning for functional green space in urban landscapes. EU Baltic Sea Region Baltic Forest project, report.

Sandström, U.G., Angelstam, P., Axelsson, R., Elbakidze, M., and Törnblom, J. (2007). Ecological sustainability of urban landscapes: evaluation of Green Structure Plans. EU Baltic Sea Region Baltic Forest project, report.

Popular science articles

Axelsson, R., and Angelstam, P., (2006). Arenas for integrated natural resource management: a comparison of the concepts: Biosphere Reserve and Model Forest.

Connections – International Model Forest Network News, International Model Forest Network Secretariat, Ottawa.

Angelstam, P., Elbakidze, M., Axelsson, R., Lopatin, E., Sandström, C., Törnblom, J., Dixelius, M., Gorchakov, V. and Kovriga, L. (2007). Learning for sustainable forest management: Europe's East and West as a landscape laboratory. Forest Facts 1 - 2007. Forest Research at the Swedish University of Agricultural Sciences. 4 pp. (also available in Russian).

Angelstam, P., Elbakidze, M., Axelsson, R., Bulygina, N., Petrov, A. and Vukolova, I. (2007) Towards sustainable forest management in NW Russia: supporting policy implementation and product development. Forest Facts 2 - 2007. Forest Research at the Swedish University of Agricultural Sciences. 4 pp. (also available in Russian).

Angelstam, P., Elbakidze, M. and Axelsson, R. (2007) Developing sustainable forest management in North-West Russia: experiences from three implementation projects. Forest Facts 3 - 2007. Forest Research at the Swedish University of Agricultural Sciences. 4 pp. (also available in Russian).

Angelstam, P., Andersson, K., Axelsson, R., Blicharska, M., Elbakidze, M., Mikusiński, G. 2007. Transportinfrastruktur och ekologisk nätverk – landskap som koncept och verktyg för integrerad planering. Hållbart – nyhetsbrev från TransportMistra 2007/2008 nr 2:13. (available at www.transportmistra.org)

Angelstam, P., Andersson, K., Axelsson, R., Blicharska, M., Elbakidze, M., Mikusinski, G., Törnblom, J. 2007. Transport infrastructure and ecological networks: landscape as concept and tool for integrated planning Euroscapes Newsletter 2007:4.

Richnau, G., Angelstam, P., Sandström, C., Andersson, K., Axelsson, R., Elbakidze, M., Jonsson, B.-G. Jönsson, M. Törnblom, J. 2007. Dynamics of landscape goods, services and values: Southern Lapland as a case study. Euroscapes Newsletter 2007:5.

Presentations at scientific symposia and conferences

1st VHU Conference on Science for Sustainable Development, Västerås, Sweden 12-14 April, 2005 – presentation titled: Model Forest and Biosphere Reserve two concepts for integrated natural resource management.

Bridging the gap - Policies and science as tools in implementing Sustainable Forest Management, October 17-19, 2005, Alnarp, Sweden – presentation titled: Continuous tree cover forests in Sweden.

2nd VHU Conference on Science for Sustainable Development, Linköping, Sweden 6-7 September, 2007 – presentation titled: Arenas for implementation of sustainable development in landscapes.

Translating Global Governance Designs - The role of civil society in transition countries, International Conference, 17-20 September 2006, Center for Independent Social Research, St. Petersburg, Russia – presentation titled: Arenas for good governance: examples from Model Forest and Biosphere Reserve.

New challenges in management of boreal forests, IBFRA 13th scientific conference, 28-30, August, 2006, Umeå Sweden. Presentation titled: Arenas for integrated natural resource management – examples from Model Forest and Biosphere Reserve. Poster titled: Continuous tree cover forests in Sweden.

Practical work experience

Some relevant work experiences from my time as employee at SMHI, as self-employed and at the Swedish University of Agricultural Sciences. Please observe that many of the activities have been overlapping and thus that the amount of time estimated might not be fully correct.

1. Participation in numerous research international multi-participant research projects at SLU, 2005-
2. Head of company, Manrax AB, 1998- (since 2007 the company has one employee working with environmental analysis of shallow marine areas using remote sensing)
3. Head of company, Manrax Corporation AB, small real estate business, 2007-
4. Work package leader, WP 5 Collaboration for Sustainable Forest Management for all 26 partners from 8 countries, EU Interreg IIIB funded Baltic Forest project, 2006.
5. Project manager for Swedish University of Agricultural Sciences, EU Interreg IIIB funded Baltic Forest project, 2006-2007.
6. Project manager for Foundation Säfsen Forests, EU Interreg IIIB funded Baltic Forest project, 2006-2007.
7. Service and Maintenance of Air Quality Management System, Ministry of the Environment in Singapore, 2002. Project manager. Continuous support to the Ministry in their operation of a computerized Air Quality Management System. The systems consists of real time data collection from 22 Air Quality Monitoring station, a time series database, a statistical package, several different dispersion models, EDB- Emission Data Base, and a very extensive system for automatic computerized reporting. Ongoing project approx. 2 weeks during 2002. Subcontractor to Conexor Sensus AB.
8. Upgrading of the Air Quality Management system, Ministry of the Environment, Singapore, 2001-2002. Project manager. Installation of new hardware, software, change of modem server technology, verification of all functions, and optimisation of data collection from all 22 monitoring stations. The system consists of two servers and around ten clients. Training of the staff to use and administrate the system. Ongoing 5 weeks spent on this project one more week for verification of functions and support during 2002. Subcontractor to Conexor Sensus AB.
9. Air Quality Management in Tallinn, Estonia. Tallinn City Government, Implementation and operation of a computerised system for Air Quality Management, 1998-present. System Designer and IT Specialist, Design, installation, operation and maintenance of the computerised Air Quality Management system based on the Airviro Software system. Training of the Estonian staff. Development of an Internet based Air Quality Information System. The Airviro installation includes an emission database, a dispersion model, a statistic package, a time series database, and a data collection system. Approx. 3 months spent on this project. Subcontractor to Conexor Sensus AB.
10. Air Quality Management in Metro Manila, Philippines. Phase SIDA TA2 Implementation and operation of a computerised system for Air Quality

Management at EMB-DENR., 2000-. Continued training on the AQM system, support to develop a LAN, email functions, develop a new web page for EMB, Training on Networking, System Administration, development of IT strategies and an official EMB IT Policy dealing with proper usage of IT equipment, procurement of IT equipment, and IT security. Approx. 8 months spent on this project. Subcontractor to Conexor Sensus AB.

11. Air Quality Management in Manila, Philippines. Phase 1, Implementation, operation of a computerised system for Air Quality Management. at EMB-DENR, 1998-1999, Environmental IT Specialist, Design, implementation, operation of a computerised Air Quality Management system. Training of the EMB staff to handle and get good use of the system. The system includes a central server and a meteorological monitoring station. The Software installation includes an emission database, a time series database, a dispersion model, a statistic package and a real time data collection system. Approx. 3 months spent on this project. Subcontractor to Conexor Sensus AB.

12. Air Quality Management in Bangkok, Thailand. Implementation and operation of a computerised system for Air Quality Management, 1997-2000, Environmental IT Specialist, Operation and maintenance of the computerised Air Quality Management system based on the Airviro Software system. Training of the Thai staff in system administration and operation of the AQM system. The system includes an emission database, a time series database, several dispersion models, a statistic package, a data collection system, four regional offices with their own systems, and 50+ monitoring stations all over the country. Approx. 6 months spent on this project. Subcontractor to Conexor Sensus AB.

13. Air Quality Management in Qingdao, China. Development of a system and an organization for Air Quality Management, Environmental IT Specialist, 1998-1999, Training on system administration and the use of AQM systems. Operation and maintenance of the computerised Air Quality Manage system based on the Airviro Software system. Implementation of a real time API forecasting system. The AQM installation includes an emission database, a time series database, dispersion models, a statistic package, a data collection system, and several Air Quality Monitoring stations. 2 months spent on this project. Subcontractor to Handz AB.

14. Development of AQNIS - Air Quality and Noise Information System, Pollution Control Department, Bangkok, Thailand, 1997-98, Environmental IT Specialist, Design and development of an internet based information system for Air Quality and Noise information. The system includes functionality for publishing real time data from PCD's monitoring network, web based access to the time series database, and static information. Responsible for training of the Thai staff in web functionality and HTML coding. Project leader for a group of Thai staff work to produce information for the site. Also responsible for the interface to the AQM time series database, http://www.aqnis.pcd.go.th 2 months spent on this project. Hired from SMHI to work for Conexor Sensus AB.

15. Air Quality Management in St Petersburg, Russia, Building of a system and an organization for Air Quality Management, 1998, Environmental IT Specialist, Responsible for the installation and setup of the Hardware (Unix WS and monitoring stations) and Software (Airviro),Training of the staff on monitoring techniques, and networks, monitoring techniques, operation and

administration of an AQM system, internet and Airviros Airweb interface, and system administration. The AQM installation includes an emission database, a time series database, dispersion models, a statistic package, a data collection system, one meteorological and several Air Quality Monitoring stations. One month spent on this project. SMHI employee.

16. System Administrator of AQM System, SMHI, Sweden, system administrator, 1996-1998, system administration of the Air Quality Management system SMHI operates for its own use and as an ASP – Application Service Provider. System Administrator of SMHI development systems for development of AQM software. Approx. 6 months spent. SMHI employee.

17. Developer of AQM Software, Internet applications, and Airviro web interface, SMHI, Sweden, 1996-1998 software developer of the SMHI Airviro software system and its web interface Airweb. Approx. three months spent. SMHI employee.

18. Customer support on AQM software system Airviro, 1996-98, Support engineer, Technical support over telephone and internet to customers in Sweden, Norway, Estonia, Latvia, Russia, Czech republic, Germany, Italy, Greece, England, France, Chile, Argentina, Iran, Thailand, Philippines, Taiwan, and Singapore. Approx. 6 months. SMHI employee.

19. Stolpe Strait project, Internal SMHI project to monitor the first major inflow of high salinity water in twelve years to the Baltic sea, 1993, responsible for planning of activities and configuration of monitoring Systems. The monitoring equipment was one Oceanor Seawatch buoy and several systems with RCM 7 current meters. 2 months of work. SMHI employee.

20. Irbe Strait project, Swedish, Latvian, Estonian research expedition in the Gulf of Riga to learn more about the water exchange of the Irbe strait, 1995, Monitoring expert, setup and configuration of monitoring equipment and data collection system. We monitored the exchange and mixing of water in Irbe strait. SMHI representative on R/V Skagerack during field experiment. 1 month spent. SMHI employee.

21. Baltic Sea Dispersion Models Joint Validation Project, Project with participants from Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland and Sweden for validation and inter comparison of operational models that simulate the currents of the Baltic Sea and the drift and dispersion of substances and objects, 1993, Monitoring expert, setup and configuration of Argos drifting buoys and data collection system. Swedish representative onboard German R/V Gauss during the field experiment. One month spent. SMHI employee.

22. Swedish Seawatch project, Internal SMHI project, 1993-95, Monitoring expert, responsible for monitoring equipment, field activities, and implementation of data collection system at SMHI. The project was the first test of real time monitoring on offshore locations using satellite communication. Approx. 6 months spent. SMHI employee.

23. The Öresund Link, Spill monitoring and data collection for Feedback Monitoring Center, Denmark and Sweden, 1996, Monitoring expert, responsible for setup and configuration of monitoring equipment onboard the Swedish R/V Sensor. 2 months spent. SMHI employee.

24. Quality Assurance Project, Internal project at SMHI, 1994-98, Project manager, responsible for the implementation of an ISO 9000 and TQM

influenced Quality Assurance System at the survey and monitoring department at SMHI. 3 months spent. SMHI employee.

25. The Öresund Link, Spill monitoring program for Öresund Marine Joint Venture, 1995, monitoring expert, Responsible for setup and configuration of monitoring equipment onboard Swedish R/V Sensor. Same equipment as in the basic monitoring program phase 2-7 reconfigured so we could detect and monitor the plume of spill from the dredgers. Two months spent. SMHI employee.

26. The Öresund Link, Basic monitoring program phase 2-8, 1992-98, Monitoring expert, Responsible for the survey system onboard Swedish R/V Sensor and online monitoring network. System administrator for the data collection system and databases. Approx. 2 years spent. SMHI employee.

27. The Öresund Link, Basic monitoring program phase 1, 1992, Environmental IT specialist and monitoring expert, design, development, and installation of monitoring network and data collecting system for Environmental Impact Studies. One year spent. SMHI employee.

Referenspersoner

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