



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) Klerx Joachim
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Nationality German
Date of birth December, 9th 1966
Gender Male
Department Innovation Systems Department
Entry date AIT 16.6.2003

Work experience

Dates 2003 –present (2015)
Occupation or position held Scientist
Main activities and responsibilities System design of national horizon scanning centre for long term planning in public policy, developer and administrator of the European Foresight Platform, one of the largest community for forward looking activities;
Training experience in short term, mid-term and long term prospective studies, long term strategic planning, development of unique foresight methods, national - and European RTI policy, Security, Risk and Issue Management
Name and address of employer *Austrian Institute of Technology (and predecessors), Donau-City-Straße 1, 1220 Vienna, Austria*
Type of business or sector *Public research center*
Dates 1999-2003
Occupation or position held ARC Ph.D. fellowship and Independent Researcher
Main activities and responsibilities contract research in regional economics
Name and address of employer Austrian Research Institut, Seibersdorf, Austria
Type of business or sector Research Institut
Dates 1998-1999
Occupation or position held Researcher
Main activities and responsibilities Contract research in technology policy
Name and address of employer Industriewissenschaftliches Institut (Institute for Industrial Research), Reissnerg.3, Wien
Type of business or sector Research Institute

Education and training

Dates 1989-1998

Title of qualification awarded | Mag soc. rer. oec.
 Principal subjects/occupational skills covered | Economics and Philosophy
 Name and type of organisation providing education and training | Vienna University of Economics and Business Administration, Austria and University of Vienna, Vienna, Austria

Dates 1999-2004

Title of qualification awarded | Dr. soc. rer. oec.
 Principal subjects/occupational skills covered | Economics and Social Science
 Name and type of organisation providing education and training | Vienna University of Economics and Business Administration, Austria
 Scholarship | Austrian Research Centers

Personal skills and competences

Mother tongue(s) | German

Other language(s)

Self-assessment

European level (*)

English

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

(*) Common European Framework of Reference for Languages / siehe Beilage

Social skills and competences | 15 years working experience in research, training and coordinating international policy and research groups. Supported by the educational background in philosophy a very good understanding of working in groups with different cultural background.

Organisational skills and competences | *Project management* of large scale transformation projects, policy consultation, process design and moderating high level stakeholder groups.

Technical skills and competences | *Research and consulting* in projects for prospective methods, like the European Foresight Platform (EFP), the International Foresight Academy (IFA), the Cyber Documentation and Research Center (CDRC), the European Security Trends and Threats In Society (ETTIS) project, the Scanning for Emerging Science & Technology Issues (SESTI) project, an Educational Concept for Long Term Development Irak, the Driving Innovation in Crisis Management for European Resilience (DRIVER) project and BITCRIME, a national project about the future of currency system. Please find additional information under "selected projects" on the following page.

Computer skills and competences | Develop and establish a national Horizon Scanning Center for Cyber Security with a deep insight into new strategies for knowledge management and governance of innovation, supported by big data analytics. System design, development and operating of large scale information systems, with more than 400 customer and several gb of data like in the Concerto plus Database.
 Among the self designed systems is an intelligent agent for internet screening (ISA), a Conflict Information System, an interactive simulation platform for simulating company innovation, an Innovation Information System (IIS) for the City of Vienna and the Raster Space Analysis Model, based on an accessibility matrix (ERRAM). ERRAM was a model for calculation of future economic development areas, based on expected company decision, expected political planning and natural endowments. The Framework of ERRAM was transformed into a software package.
 10 years' experience in building, configure, operate and administer a virtualised computer network, reverse engineering, Programming experience in JAVA, PHP, C++, Javaskript, Flash and other languages.

Additional information

Selected Projects

The **European Foresight Platform (EFP)** is one of the largest community for forward looking activities. Originally financed by the European Commission's, it aims at building a global network of networks bringing together different communities and individual professionals to share their knowledge about foresight, forecasting and other future studies methods. The project was coordinated by AIT

The **International Foresight Academy (IFA)** was a project to exchange knowledge about forward looking activities and prospective methods world wide, with partners from nearly all continents (including, Latin America, North America, EU, Russia and Asia). The project was coordinated by AIT.

The **Cyber Documentation and Research Center (CDRC)** is an ongoing national pilot program to develop new methods to support strategic long term planning in research, technology and cyber security. The program did start in 2014 and will establish a new governmental unit.

The aim of the **European Security Trends and Threats In Society (ETTIS)** project is to identify, understand and assess in a scenarios framework future threats, needs and opportunities for societal security, to develop and test a methodological approach and model for a revolving process of security research priority setting, to derive research priorities geared towards the needs of user organizations, as well as rationales and options for policy intervention, and to help increase awareness of and attention to security research results, and contribute to overcoming barriers by advancing and testing a range of intelligence tools and techniques.

Scanning for Emerging Science & Technology Issues (SESTI) aims to develop a mechanism for the early identification of newly emerging issues of importance to the European research infrastructure. By collecting weak signals and developing anticipatory intelligence, SESTI will provide the means for proactively addressing these challenges at European and national level.

Educational Concept for Long Term Development Irak, main goal of this project was to develop a process design to support the Irak government in developing their long term development strategy. The project was coordinated by the UNDP, and supported by experts from AIT.

The **Driving Innovation in Crisis Management for European Resilience (DRIVER)** project aims at three main objectives: the development of a pan-European test-bed for crisis management, the development of a portfolio of emerging solutions that improves crisis management at member state and EU level (including solutions for civil resilience, professional response, organisational learning, policy, legal and standards). And finally, the development of a more shared understanding of crisis management across Europe including all stakeholders in crisis management who are concerned by societal and technological innovation.

BITCRIME is a national project about **the future of currency system** and the public policy about regulations and innovative solutions for the identification, prevention and reduction of organized financial crime, such as money laundering, with particular regard for virtual currencies. The project is coordinated by AIT.

Selected Publications

Göllner, J., Klerx, J., Mak, K (2015), Knowledge Management in the Austrian Armed Service, Foresight in strategic long term planning, Publication of the National Defence Academy, No. 5/2015, Vienna

Göllner, J., Klerx, J., Mak, K. (2015), Knowledge Development and Horizon Scanning for Strategic Longterm Planning in Cyber Security, Security and Defence Quarterly, Journal, Central European Forum on Military Education CEFME 2015

Aubrecht Christoph, Özceylan Aubrecht Dilek, Klerx Joachim, Freire Sérgio (2013) Future-oriented activities as a concept for improved disaster risk management, Disaster Advances, Vol.6(12), December 2013

Klerx, J. (2010) An intelligent screening agent to scan the internet for weak signals of emerging policy issues (ISA), Proceedings PISTA 2010, Informatics, Government, Ethical Voting and Political Parties, June, 29st – July 3th, Orlando

Klerx, J., Steindl, C. (2008) Comparative advantages in R&D as weak signal for emerging technologies. 10th International Conference on Science and Technology Indicators "Excellence and Emergence – A new Challenge for the Combination of Quantitative and Qualitative Approaches", September, 17th - 20th, Vienna

Vienna, July 2015

Joachim Klerx