

Abgeschlossene EU-Projekte der UDE (FP7/CIP/ERASMUS)

Akronym	Programm	Titel Koordination/Partner Fakultät	Laufzeit
<u>ABSOLUTE</u>	COOPERATION - Information and Communication Technologies (ICT)	Aerial Base Stations with Opportunistic Links for Unexpected & Temporary Events <u>Prof. Dr. Thomas Kaiser</u> Fakultät für Ingenieurwissenschaften Digitale Signal Verarbeitung (DSV)	2012-2015
<u>AirMonTech</u>	COOPERATION – Environment (ENV)	Air Quality Monitoring Technologies for Urban Areas <u>Dr. Thomas Kuhlbusch</u> IUTA	2010-2013
<u>ALACs</u>	COOPERATION - Socio-economic sciences and Humanities (SSH)	Promotion of Participation and Citizenship in Europe through the “Advocacy and Legal Advice Centres (ALACs)” of Transparency International <u>Dr. Dr. Konstadinos Maras</u> KWI - Kulturwissenschaftliches Institut	2009-2012
<u>ARISTOTELE</u>	COOPERATION - Information and Communication Technologies (ICT)	Personalised Learning & Collaborative Working Environments Fostering Social Creativity and Innovations Inside the Organisations <u>Prof. Dr. Heimo H. Adelsberger</u> Fakultät für Wirtschaftswissenschaften Informationssysteme technologiegestützter Lernprozesse	2010-2013
<u>ATWARM</u>	PEOPLE - Initial training networks	Advanced Technologies for Water Resource Management <u>Dr. Michael Eisinger</u> Fakultät für Biologie ZWU – Zentrum für Wasser und Umweltsysteme	2009-2013
<u>BESOS</u>	COOPERATION - Smart Cities and Communities	Building Energy decision Support systems fOr Smart cities <u>Prof. Pedro José Marrón</u> Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2013-2016
<u>BIOCOR ITN</u>	PEOPLE - Initial training networks	Initial training network on biocorrosion <u>Prof. Dr. Wolfgang Sand</u> Fakultät für Chemie Biofilm Centre	2009-2013
<u>BioFresh</u>	COOPERATION - Environment (ENV)	Biodiversity of Freshwater Ecosystems: Status, Trends, Pressures, and Conservation Priorities <u>Prof. Dr. Daniel Hering</u> Fakultät für Biologie Aquatische Ökologie	2009-2014
<u>BONE</u>	COOPERATION - Information and Communication Technologies (ICT)	Building the Future Optical Network in Europe: The e-Photon/ONe Network <u>Prof. Dr. Dieter Jäger</u> Fakultät für Ingenieurwissenschaften	2008-2011

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		Optoelektronik	
<u>BUONAPART-E</u> (Coordination)	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP)	Better Upscaling and Optimization of Nanoparticle and Nanostructure Production by Means of Electrical Discharges <u>Prof. Dr. Einar Kruis</u> Fakultät für Ingenieurwissenschaften Nanostrukturtechnik	2012-2016
<u>CableBOT</u>	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP); Information and Communication Technologies (ICT) - Factories of the Future	Parallel Cable Robotics for Improving Maintenance and Logistics of Large-Scale Products <u>Prof. Dr.-Ing. Dieter Schramm</u> Fakultät für Ingenieurwissenschaften Mechatronik	2011-2014
<u>ChemBiolPBInt</u>	ERC Starting Grants	Chemical biology of natural products in plant-bacteria interactions <u>Prof. Dr. Markus Kaiser</u> Fakultät für Biologie Zentrum für Medizinische Biotechnologie	2011-2016
<u>CloudWave</u>	COOPERATION - Information and Communication Technologies (ICT)	Agile Service Engineering for the Future Internet <u>Prof. Dr. Klaus Pohl</u> Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2013-2016
<u>CONET</u> (Coordination)	COOPERATION - Information and Communication Technologies (ICT)	Cooperating Objects NETwork of excellence <u>Prof. Pedro José Marrón</u> Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2008-2012
<u>EcoWeb</u>	COOPERATION - Environment (ENV)	EcoWeb a dynamic e-dissemination platform for EU eco-innovation research results <u>Prof. Dr. Jürgen Ziegler</u> Fakultät für Ingenieurwissenschaften Interaktive Systeme	2011-2013
<u>EC-SAFEMOBIL</u>	COOPERATION - Information and Communication Technologies (ICT)	Estimation and Control for SAFE wireless high MOBILity cooperative industrial systems <u>Falk Brockmann</u> Fakultät für Ingenieurwissenschaften Networked Embedded Systems (NES)	2011-2016
<u>ETCETERA</u>	COOPERATION - Security	Evaluation of critical and emerging technologies for the elaboration of a security research agenda <u>Prof. Dr. Rainer Elschen</u> Fakultät Wirtschaftswissenschaften Finanzwirtschaft und Banken	2011-2013
<u>EUWB</u>	COOPERATION -	EUWB - Coexisting Short Range Radio by	2008-2011

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	Information and Communication Technologies (ICT)	Advanced Ultra-Wideband Radio Technology Prof. Dr. Reinhard Jung Fakultät für Wirtschaftswissenschaften Wirtschaftsinformatik und Betriebliche Kommunikationssysteme	
EXTREME SEAS	COOPERATION - Sustainable Surface Transport (SST)	Design for Ship Safety in Extreme Seas Prof. Dr.-Ing. Bettar Ould el Moctar Fakultät für Ingenieurwissenschaften Institut für Schiffstechnik, Meerestechnik & Transportsysteme (ISMT)	2009-2012
FaSMEd	CAPACITIES - Science in Society	Improving progress for lower achievers through Formative Assessment in Science and Mathematics Education Prof. Dr. Bärbel Barzel Fakultät für Mathematik Didaktik der Mathematik Prof. Dr. Philipp Schmiemann Fakultät für Biologie Didaktik der Biologie	2014-2016
FInest	COOPERATION - Information and Communication Technologies (ICT), Future Internet	Future Internet enabled Optimisation of Transport and Logistics Business Networks Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2011-2012
FiPS	COOPERATION - Information and Communication Technologies (ICT)	Developing Hardware and Design Methodologies for Heterogeneous Low Power Field Programmable Servers Prof. Dr. Gregor Schiele Fakultät für Ingenieurwissenschaften Informatik	2013-2016
FIspace	COOPERATION - Information and Communication Technologies (ICT), Future Internet	FIspace: Future Internet Business Collaboration Networks in Agri-Food, Transport and Logistics Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2013-2015
FI-WARE	COOPERATION - Information and Communication Technologies (ICT), Future Internet	FI-WARE: Future Internet Core Platform Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2011-2013
GAMBAS (Coordination)	COOPERATION - Information and Communication Technologies (ICT)	Generic Adaptive Middleware for Behavior-driven Autonomous Services Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2012-2015
GEOMDISS	COOPERATION -	Geometric phases, pumping, and dissipation	2009-2012

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	Information and Communication Technologies (ICT)	in quantum devices Prof. Dr. Jürgen König Fakultät für Physik Theoretische Physik	
GO FAST	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP)	Governing ultrafast the conductivity of correlated materials Prof. Dr. Uwe Bovensiepen Fakultät für Physik Experimentelle Physik	2015-2015
Go-Lab	COOPERATION - Information and Communication Technologies (ICT)	Global Online Science Labs for Inquiry Learning at School Sven Manske Fakultät für Ingenieurwissenschaft Informatik und angewandte Kognitionswissenschaft / COLLIDE	2012-2016
GUSTO	COOPERATION - Socio-economic sciences and Humanities (SSH)	Meeting the challenges of economic uncertainty and sustainability through employment, industrial relations, social and environmental policies in European countries Prof. Dr. Ute Klammer Fakultät für Bildungswissenschaften Institut Arbeit und Qualifikation (IAQ)	2009-2012
HotZyme	COOPERATION - Food, Agriculture and Fisheries, and Biotechnology	Systematic screening for novel hydrolases from hot environments Prof. Dr. Bettina Siebers Fakultät für Chemie Biofilm Centre - Molekulare Enzymtechnologie und Biochemie (MEB)	2011-2015
IME	COOPERATION - Socio-economic sciences and Humanities (SSH)	Identities and modernities in Europe: European and national identity construction programmes and politics, culture, history and religion Dr. Armando Salvatore KWI - Kulturwissenschaftliches Institut	2009-2012
INFOCON	COOPERATION - Socio-economic sciences and Humanities (SSH)	Involving Transnational Communities - Civil Society Forum on Conflicts Dr. Cornelia Ulbert Fakultät für Gesellschaftswissenschaften Institut für Entwicklung und Frieden (INEF)	2008-2011
INSPIRES	COOPERATION - Socio-economic sciences and Humanities (SSH)	Innovative Social and Employment Policies for Inclusive and Resilient Labour Markets in Europe Prof. Dr. Matthias Knuth Fakultät für Gesellschaftswissenschaften Institut Arbeit und Qualifikation (IAQ)	2013-2016
Inspiring Science	Competitiveness and Innovation framework Programme (CIP) - ICT Policy Support Programme	Large Scale Experimentation Scenarios to Mainstream eLearning in Science, Mathematics and Technology in Primary and Secondary Schools Prof. Dr. Heimo H. Adelsberger	2013-2016

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		Christian M. Stracke Fakultät für Wirtschaftswissenschaften Research Institute for Technology-Enhanced Learning and Innovative Education and Training (TELIT)	
IPHOBAC-NG (Coordination)	COOPERATION - Information and Communication Technologies (ICT)	Integrated Photonic Broadband Radio Access Units for Next Generation Optical Access Networks Prof. Dr. Andreas Stöhr Fakultät für Ingenieurwissenschaften Optoelektronik	2013-2016
iPHOS	COOPERATION - Information and Communication Technologies (ICT)	Integrated photonic transceivers at sub-terahertz wave range for ultra-wideband wireless communications Prof. Dr. Andreas Stöhr Fakultät für Ingenieurwissenschaften Optoelektronik	2010-2013
ITN-LCG	PEOPLE - Initial training networks	Language, Cognition, and Gender Prof. Dr. Lisa von Stockhausen Fakultät für Bildungswissenschaften Institut für Psychologie	2009-2013
KHRESMOI	COOPERATION - Information and Communication Technologies (ICT)	Knowledge Helper for Medical and Other Information users Prof. Dr. Norbert Fuhr Fakultät für Ingenieurwissenschaften Informatik und Angewandte Kognitionswissenschaft	2010-2014
LASER-CELL	COOPERATION - Joint Technology Initiatives (funded by PPP FCH JU)	Innovative Cell and Stack Design For Stationary Industrial Applications Using Novel LASER Processing Techniques Prof. Dr. Angelika Heinzel Fakultät für Ingenieurwissenschaften Energietechnik	2011-2014
LoCloud	Competitiveness and Innovation framework Programme (CIP) - ICT Policy Support Programme	Local content in a Europeana cloud Prof. Dr. Heimo H. Adelsberger Christian M. Stracke Fakultät für Wirtschaftswissenschaften Research Institute for Technology-Enhanced Learning and Innovative Education and Training (TELIT)	2013-2016
LOG4GREEN	CAPACITIES - Regions of Knowledge	Transport Clusters Development and Implementation Measures of a Six-Region Strategic Joint Action Plan for Knowledge-based Regional Innovation Dr. Thomas Hanke Zentrum für Logistik & Verkehr (ZLV)	2011-2014
MITEPHO	PEOPLE - Initial training networks	MIcrowave and TErahertz PHOTonics Prof. Dr. Andreas Stöhr Fakultät für Ingenieurwissenschaften Optoelektronik	2010-2014
NANOMOTION	PEOPLE - Initial training networks	Nanoelectromechanical MOTION in functional materials	2011-2015

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		Dr. Harch Trivedi, Dr. Danka Dittmer-Gobeljic Fakultät für Ingenieurwissenschaften Materialwissenschaft / Bauwissenschaften	
NANOPUR	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP)	Development of functionalized nanostructured polymeric membranes and related manufacturing processes for water purification Prof. Dr. Mathias Ulbricht Fakultät für Chemie Technische Chemie II	2012-2015
NANOQUESTFIT	COOPERATION - Information and Communication Technologies (ICT)	Nanoparticles in Quantum Experiments: Exploring the scientific basis of future innovative quantum technologies Prof. Dr. Klaus Hornberger Fakultät für Physik Theoretische Quantenphysik	2013-2015
NESSoS	COOPERATION - Information and Communication Technologies (ICT)	Network of Excellence on Engineering Secure Future Internet Software Services and Systems Prof. Dr. Maritta Heisel (Prof. Dr. Eicker/Prof. Pohl) Fakultät für Ingenieurwissenschaften Informatik und Angewandte Kognitions- wissenschaft / paluno - The Ruhr Institute for Software Technology	2010-2014
NEWS	COOPERATION - Sustainable Surface Transport (SST)	Development of a Next generation European Inland Waterway Ship and logistics system Prof. Dr. Rudolf Juchelka Fakultät für Geisteswissenschaften Wirtschaftsgeographie	2013-2015
NEXOF-RA	COOPERATION - Information and Communication Technologies (ICT)	NESSI Open Framework - Reference Architecture Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2008-2010
NOBEL	COOPERATION - Information and Communication Technologies (ICT)	Neighbourhood Oriented Brokerage ELectricity and monitoring system Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2010-2012
NOVO	COOPERATION - Health	Novel approaches for prevention and degeneration of pathogenic bacteria biofilms formed on medical devices e.g. catheters Prof. Dr. Mathias Ulbricht Fakultät für Chemie Technische Chemie II	2012-2014
Open Discovery Space	Competitiveness and Innovation framework	Open Discovery Space: A socially-powered and multilingual open learning	2015-2015

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	Programme (CIP) - ICT Policy Support Programme	infrastructure to boost the adoption of eLearning resources Prof. Dr. Heimo H. Adelsberger Christian M. Stracke Fakultät für Wirtschaftswissenschaften Research Institute for Technology-Enhanced Learning and Innovative Education and Training (TELIT)	
OPTET	COOPERATION - Information and Communication Technologies (ICT)	OPerational Trustworthiness Enabling Technologies Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2012-2015
PAPYRUS	COOPERATION - Information and Communication Technologies (ICT)	Plug and Play monitoring and control architecture for optimization of large scale production processes Prof. Dr.-Ing. Steven X. Ding Fakultät Ingenieurwissenschaften Elektrotechnik und Informationstechnik	2010-2013
Parawarm (Coordination)	PEOPLE - European Fellowships for Career Development	From communities to individuals: development of an early warning system to assess the relationship between climate warming and pollution in European freshwater ecosystems Prof. Dr. Bernd Sures Fakultät für Biologie Aquatische Ökologie	2010 (vorzeitig beendet)
pd-net	COOPERATION - Information and Communication Technologies (ICT)	Towards Future Pervasive Display Networks Prof. Dr. Albrecht Schmidt Fakultät für Wirtschaftswissenschaften Informatik und Wirtschaftsinformatik / paluno - The Ruhr Institute for Software Technology	2010-2013
PECES	COOPERATION - Information and Communication Technologies (ICT)	PErvasive Computing in Embedded Systems Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno	2008-2011
PEGASE	COOPERATION - Energy	Pan European Grid Advanced Simulation and state Estimation Prof. Dr. István Erlich Fakultät für Ingenieurwissenschaften Elektrische Anlagen und Netze (EAN)	2008-2012
PLANET (Coordination)	COOPERATION - Information and Communication Technologies (ICT)	PLAtform for the deployment and operation of heterogeneous NETworked cooperating objects Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2010-2014
Rational Points	ERC Advanced Grants	Fundamental groups, etale and motivic,	2009-2014

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		local systems, Hodge theory and rational points Prof. Dr. Hélène Esnault Fakultät für Mathematik Umgezogen zu Freie Universität Berlin	
REFORM	COOPERATION - Environment (ENV)	REstoring rivers FOR effective catchment Management Prof. Dr. Daniel Hering Fakultät für Biologie Aquatische Ökologie	2011-2015
REFREEPERMAG	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP)	Rare-Earth Free Permanent Magnets Prof. Dr. Michael Farle Fakultät für Physik Experimentalphysik / Struktur und Magnetismus nanoskaliger Systeme	2012-2015
REFRESH	COOPERATION - Environment (ENV)	Adaptive Strategies to Mitigate the Impacts of Climate Change on European Freshwater Ecosystems Prof. Dr. Daniel Hering Fakultät für Biologie Aquatische Ökologie	2010-2014
RP-DEMATEN	CAPACITIES - Research Potential: International Co-operation	Reinforcement of research potential of the Department of Materials Engineering in the field of processing and characterization of nanostructured materials Prof. Dr. Markus Winterer Fakultät für Ingenieurwissenschaften Nanopartikel Prozesstechnik	2008-2011
S-Cube (Coordination)	COOPERATION - Information and Communication Technologies (ICT)	Software Services and Systems Network Prof. Dr. Klaus Pohl Fakultät für Wirtschaftswissenschaften paluno - The Ruhr Institute for Software Technology	2008-2012
SCY	COOPERATION - Information and Communication Technologies (ICT)	Science Created by You (SCY) Prof. Dr. Heinz Ulrich Hoppe Fakultät für Ingenieurwissenschaften Informatik und Angewandte Kognitionswissenschaft / COLLIDE	2008-2012
SERA	COOPERATION - Information and Communication Technologies (ICT)	Social Engagement with Robots and Agents Prof. Dr. Nicole Krämer Fakultät für Ingenieurwissenschaften Informatik und Angewandte Kognitionswissenschaft / Sozialpsychologie	2009-2011
SHOPERA	COOPERATION - Sustainable Surface Transport	Energy Efficient Safe SHip OPERAtion Prof. Dr.-Ing. Bettar Ould el Moctar Fakultät für Ingenieurwissenschaften Institut für Schiffstechnik, Meerestechnik & Transportsysteme (ISMT)	2013-2016
SISOB	CAPACITIES - Science in Society	An Observatorium for Science in Society based in Social Models	2011-2014

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		Prof. Dr. Heinz Ulrich Hoppe Fakultät für Ingenieurwissenschaften Informatik und Angewandte Kognitionswissenschaft / COLLIDE	
SMART-ACTION (Coordination)	COOPERATION - Smart Cities and Communities	SMART-ACTION Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2013-2015
SMARTKYE	COOPERATION - Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP); Information and Communication Technologies (ICT); Energy; Environment - Energy Efficient Buildings	SMARTgrid KeY NEighborhood indicator cockpit Prof. Pedro José Marrón Fakultät für Wirtschaftswissenschaften Networked Embedded Systems (NES) / paluno - The Ruhr Institute for Software Technology	2012-2015
UMBRELLA	COOPERATION - Energy	Toolbox for Common Forecasting, Risk assessment, and Operational Optimisation in Grid Security Cooperations of Transmission System Operators (TSOs) Prof. Dr. Christoph Weber Fakultät für Wirtschaftswissenschaften Institut für Betriebswirtschaft und Volkswirtschaft (IBES) / Energiewirtschaft	2012-2015
VOA3R	Competitiveness and Innovation framework Programme (CIP) - ICT Policy Support Programme	Virtual Open Access Agriculture & Aquaculture Repository: Sharing Scientific and Scholarly Research related to Agriculture, Food, and Environment Prof. Dr. Heimo H. Adelsberger Fakultät für Wirtschaftswissenschaften Informationssysteme technologiegestützter Lernprozesse	2010-2013
WALQING	COOPERATION - Socio-economic sciences and Humanities (SSH)	Work and Life Quality in New and Growing Jobs Dr. Steffen Lehdorff / Dr. Claudia Weinkopf Institut für Gesellschaftswissenschaften Institut für Arbeit und Qualifikation (IAQ) Forschungsabteilung Arbeitszeit und Arbeitsorganisation	2009-2012
WISER (Coordination)	COOPERATION – Environment (ENV)	Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery Prof. Dr. Daniel Hering Fakultät für Biologie Aquatische Ökologie	2009-2012
WACOM (Coordination)	Lifelong Learning Programme (ERASMUS)	Water Competences Model Transfer Prof. Dr. Heimo H. Adelsberger Fakultät für Wirtschaftswissenschaften	2009-2011

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		Informationssysteme technologiegestützter Lernprozesse	
<u>eCOTOOL</u> (Coordination)	Lifelong Learning Programme (ERASMUS)	e-COMPETENCES TOOLS <u>Prof. Dr. Heimo H. Adelsberger</u> Fakultät für Wirtschaftswissenschaften Informationssysteme technologiegestützter Lernprozesse	2009-2011