



## EU-funded research projects at IVL – currently running

### **Advance ETV – European Environmental Technology Verification system**

The objective is to accelerate market acceptance of innovative technologies by providing users with information about their performance, thereby substantially reducing uncertainty for purchasers and permittees.

Budget: 1MEUR

Duration: 2009-2012

Partners: 13

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)

Website: [www.eu-etv-strategy.eu](http://www.eu-etv-strategy.eu)

### **ArcRisk**

Impacts on health in the Arctic and Europe owing to climate-induced changes in contaminant cycling.

Budget: 4.7MEUR

Duration: 2009-2013

Partners: 21

Contact: John Munthe, [john.munthe@ivl.se](mailto:john.munthe@ivl.se)

Website: [www.arcrisk.eu](http://www.arcrisk.eu)

### **CADASTER**

The project aims at providing the practical guidance to integrated risk assessment by carrying out a full hazard and risk assessment for chemicals.

Budget: 4MEUR

Duration: 2009-2012

Partners: 9

Contact: Andreas Woldegiorgis, [andreas.woldegiorgis@ivl.se](mailto:andreas.woldegiorgis@ivl.se)

Website: [www.cadaster.eu](http://www.cadaster.eu)

### **COHIBA – Control Of Hazardous substances In the BAItic sea region**

The aim is to identify the sources of pollution of 11 selected hazardous substances, to analyse the circuit of these pollutants, to identify possible solutions and to promote capacity building namely through case studies.

Budget: 4.9MEUR

Duration: 2009-2012

Partners: 22

Contact: Eva Brorström-Lundén, [eva.bl@ivl.se](mailto:eva.bl@ivl.se)

Website: [www.cohiba-project.net](http://www.cohiba-project.net)



## **DEMI**

The aim is to enhance existing product/process design systems with features that will enable engineers to collaboratively design energy efficient and ecologically optimal discrete manufacturing processes.

Budget: 3.7MEUR

Duration: 2010-2012

Partners: 9

Contact: Anders Björk, anders.bjork@ivl.se

## **DiPol – Impact of Climate Change on the quality of urban and coastal waters**

The DiPol project has the aim of identifying impacts and suggesting measures to reduce the adverse consequences of climate change that affect the quality of urban and coastal waters.

Budget: 4.1MEUR

Duration: 2009-2011

Partners: 11

Contact: Marie Haeger-Eugensson, marie.haeger@ivl.se

Website: [www.tu-harburg.de/iue/dipol](http://www.tu-harburg.de/iue/dipol)

## **Environmental Technology for Growth**

The project aims to increase the export and growth of environmental technology companies in the greater Stockholm area.

Budget: 2.3MEUR

Duration: 2009-2011

Partners: 20

Contact: Johan Strandberg, johan.strandberg@ivl.se

## **ERUF-EKO – Ecologic conversion of the post-war built environment**

The objective is to support innovation work on sustainable urban renewal in the regions of Skåne and Blekinge. The project is aimed at small and medium sized companies in the building sector.

Budget: 0.83MEUR

Duration: 2008-2011

Partners: 6

Contact: Anna Jarnehammar, anna.jarnehammar@ivl.se



## EU-China CDM Facilitation Project

Through a series of activities including policy research, capacity building and training programmes, the project will focus on China's policy and regulatory regime for CDM development.

Budget: 2.8MEUR

Duration: 2007-2010

Partners: 6

Contact: Jonas Fejes, [jonas.fejes@ivl.se](mailto:jonas.fejes@ivl.se)

Website: [www.euchina-cdm.org](http://www.euchina-cdm.org)

## European Business and Technology Centre in India

The mission is to assist the business, science and research community - in Europe and India - to work together towards generating new business opportunities in clean technology transfer and establishing business relevant cooperation in the field of research, science and technology.

Budget: 8.2MEUR

Duration: 2008-2013

Partners: 16

Contact: Östen Ekengren, [osten.ekengren@ivl.se](mailto:osten.ekengren@ivl.se)

Website: [www.ebtc.eu](http://www.ebtc.eu)

## European Energy Service Initiative

The aim is to increase awareness of the options and opportunities of energy services especially for energy efficiency. The project will consolidate know-how and build trust to foster further market development.

Budget: 1.3MEUR

Duration: 2009-2012

Partners: 10

Contact: Ulrik Axelsson, [ulrik.axelsson@ivl.se](mailto:ulrik.axelsson@ivl.se)

Website: [www.energy-service-initiative.net](http://www.energy-service-initiative.net)

## Freeze

The innovative object of the project is the development of a new combined process consisting of freeze crystallisation, precipitation crystallisation and pyrohydrolysis or electrolysis with focus on the reduction of waste water quantities and metal salt loads accumulating from pickling processes.

Budget: 0.8MEUR

Duration: 2006-2010

Partners: 4

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)



## GreenCLimeAdapt - Green Tools for Urban Climate Adaptation

The aim of GreenCLimeAdapt is to demonstrate how cities can address and adapt to the impacts of climate change via green tools including open storm water management, the use of green facades and green roofs.

Budget: 3.2MEUR

Duration: 2009-2013

Partners: 5

Contact: Sam Ekstrand, sam.ekstrand@ivl.se

## Indisputable Key

The objective is to develop a methodology and advanced technologies that can improve the use of wood and optimize the forest production through the chain of transformation, minimizing environmental impacts.

Budget: 12MEUR

Duration: 2006-2010

Partners: 29

Contact: Åsa Nilsson, asa.nilsson@ivl.se

Website: [www.indisputablekey.com](http://www.indisputablekey.com)

## INNOWATECH

The project will provide effective technological solutions for the treatment of industrial wastewater. Such solutions are vital for supporting and enhancing the competitiveness of different industrial sectors, including the water technology sector, in the global market.

Budget: 4.8MEUR

Duration: 2006-2010

Partners: 17

Contact: Mats Almemark, mats.almemark@ivl.se

Website: [www.innowatech.org](http://www.innowatech.org)

## isoSoil

The isoSoil objective is to firmly establish concentration-independent contaminant-specific isotope analysis (CSIA) as a novel, user-friendly and powerful tool for both degradation monitoring and source apportionment of organic contaminants in soil.

Budget: 2.8MEUR

Duration: 2009-2012

Partners: 9

Contact: Anders Jönsson, anders.jonsson@ivl.se



## NitroEurope

The project focuses on integrated European research into the nitrogen cycle and addresses the major question: What is the effect of reactive nitrogen supply on net greenhouse gas budgets for Europe?

Budget: 27.1MEUR

Duration: 2006-2011

Partners: 62

Contact: Filip Moldan, [flip.moldan@ivl.se](mailto:flip.moldan@ivl.se)

Website: [www.nitroeuropa.eu](http://www.nitroeuropa.eu)

## Northern Maritime University

Global objective is to build up a strong transnational network of universities in the North Sea Region which intensively and continuously integrates relevant stakeholders from the maritime business sector.

Budget: 3.2MEUR

Duration: 2008-2010

Partners: 10

Contact: Erik Fridell, [erik.fridell@ivl.se](mailto:erik.fridell@ivl.se)

Website: [www.nm-uni.eu](http://www.nm-uni.eu)

## NorthPass

The aim is to increase awareness and market acceptance of very low-energy houses in the North European construction market. The focus area is new residential buildings.

Budget: 1.2MEUR

Duration: 2009-2012

Partners: 12

Contact: Anna Jarnehammar, [anna.jarnehammar@ivl.se](mailto:anna.jarnehammar@ivl.se)

Website: [www.virtual.vtt.fi/virtual/northpass](http://www.virtual.vtt.fi/virtual/northpass)

## PASS-NET – Establishment of a Co-operation Network of Passive House Promoters

The target of the project is to spread the knowledge about the Passive House standard in Europe and to rapidly increase the share of Passive House buildings within new buildings and the reconstruction of old buildings.

Budget: 1.1MEUR

Duration: 2007-2010

Partners: 13

Contact: Åke Iverfeldt, [ake.iverfeldt@ivl.se](mailto:ake.iverfeldt@ivl.se)

Website: [www.pass-net.net](http://www.pass-net.net)



## QUANTIFY

The project goal is to quantify the climate impact of global and European transport systems for the present situation and for several scenarios of future development.

Budget: 12MEUR

Duration: 2005-2010

Partners: 35

Contact: Jana Moldanova, [jana.moldanova@ivl.se](mailto:jana.moldanova@ivl.se)

Website: [www.ip-quantify.eu](http://www.ip-quantify.eu)

## Riskcycle

Safety and risk assessment as the basis of risk-based management of chemicals and products in a global perspective and alternative testing strategies.

Budget: 1.1MEUR

Duration: 2009-2012

Partners: 17

Contact: John Munthe, [john.munthe@ivl.se](mailto:john.munthe@ivl.se)

Website: [www.wadef.com/projects/riskcycle](http://www.wadef.com/projects/riskcycle)

## SEABED

Phosphorus from the seabed and water quality in archipelagos - modelling attempt.

Budget: 1.2MEUR

Duration: 2009-2012

Partners: 6

Contact: Magnus Karlsson, [magnus.karlsson@ivl.se](mailto:magnus.karlsson@ivl.se)

Website: [www.abo.fi/huso/seabed](http://www.abo.fi/huso/seabed)

## SPIN – Sustainable production through innovation in SMEs

SPIN brings together some of the most important institutions for eco-innovations in the Baltic Sea Region and aims to identify and promote innovation highlights for small and medium-sized enterprises.

Budget: 3MEUR

Duration: 2009-2012

Partners: 8

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)

Website: [www.spin-project.eu](http://www.spin-project.eu)



### **Switch Asia: Enhancing Environmental Performance in Key Sri Lankan Export Sectors**

The project targets the reduction of negative environmental impact of major polluting export sectors of Sri Lanka across the industry value chains through introduction of sustainable production practices and technologies.

Budget: 1.6MEUR

Duration: 2009-2012

Partners: 5

Contact: Åsa Stenmarck, [asa.stenmarck@ivl.se](mailto:asa.stenmarck@ivl.se)

### **Switch Asia: Train the Trainers**

The objective is to promote sustainable production through the provision of training, information and services in the Chinese construction industry. The project's broader objectives concentrate on China's Greater Shanghai region,

Budget: 29.7MEUR

Duration: 2009 - 2013

Partners: 4

Contact: Åke Iverfeldt, [ake.iverfeldt@ivl.se](mailto:ake.iverfeldt@ivl.se)

Website: [www.train-the-trainers.net](http://www.train-the-trainers.net)

### **WEBAP - Wave Energized Baltic Aeration Pump**

This project aims to demonstrate the technical feasibility of using a wave-powered device - WEBAP - for the aeration of coastal zones and open seas suffering oxygen depletion.

Budget: 1.2MEUR

Duration: 2010-2012

Partners: 3

Contact: Christian Baresel, [christian.baresel@ivl.se](mailto:christian.baresel@ivl.se)



## EU-funded research projects at IVL – recently completed

### **AIRTV – Testing network for verification of air emissions abatement technologies**

The mission of AIRTV is to accelerate the introduction of innovative Environmental sound Technologies in the field of air emissions prevention and abatement technologies by developing a system for their verification in order to provide users with information about performance.

Budget: 2.2MEUR

Duration: 2006-2009

Partners: 11

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)

Website: [www.airtv.eu](http://www.airtv.eu)

### **CALCAS – Co-ordination Action for innovation in Life-Cycle Analysis for Sustainability**

The main goal is the review of the basic current paradigms of Life-Cycle Analysis in order to overcome its present limits.

Budget: 1.6MEUR

Duration: 2006-2009

Partners: 16

Contact: Tomas Rydberg, [tomas.rydberg@ivl.se](mailto:tomas.rydberg@ivl.se)

Website: [www.calcasproject.net](http://www.calcasproject.net)

### **EnRiMa ConMa – Environmental Risk management for Contaminated Marsh land**

The project aims to establish a strong research network with partners from Europe and Russia in order to help identify gaps and to supply the needed knowledge for improvement and development of regional strategy and a risk management system for oil contaminated marshes.

Budget: 0.12MEUR

Duration: 2007-2008

Partners: 3

Contact: Karin Eliaeson, [karin.eliaeson@ivl.se](mailto:karin.eliaeson@ivl.se)

### **EUROLIMPACS**

The project focuses on direct and indirect impacts of climate change on both the physical and ecological characteristics of European freshwater ecosystems.

Budget: 20MEUR

Duration: 2004-2009

Partners: 37

Contact: John Munthe, [john.munthe@ivl.se](mailto:john.munthe@ivl.se)



## **SECURE – Secure Energy Communities in Urban Areas in Europe**

The main objective of the SECURE project was to create long-term sustainable action plans for the cities of Malmö, Dublin, Hillerød and Tallinn and to remove the barriers of mainstreaming results from successful demonstration projects.

Budget: 1.3MEUR

Duration: 2006-2008

Partners: 7

Contact: Åke Iverfeldt, [ake.iverfeldt@ivl.se](mailto:ake.iverfeldt@ivl.se)

Website: [www.secureproject.org](http://www.secureproject.org)

## **SOCOPSE – Source control of priority substances in Europe**

The overall objective is to support the implementation process for the Water Framework Directive by providing guidelines and decision support tools for the management of priority pollutants.

Budget: 3.2MEUR

Duration: 2006-2009

Partners: 11

Contact: John Munthe, [john.munthe@ivl.se](mailto:john.munthe@ivl.se)

Website: [www.socopse.se](http://www.socopse.se)

## **TESTNET**

The objective is to shorten the period between development and implementation of an environmental technology by the development of a pilot structure of organisations and a system for the verification of ready-to-market and existing environmental technologies.

Budget: 2.9MEUR

Duration: 2005-2008

Partners: 13

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)

## **TRITECH ETV**

The overall aim is to establish a mechanism to objectively validate the performance of innovative environmental technology products; this will ultimately lead to new environmental technologies being introduced into the market place at a much quicker rate.

Budget: 1.4MEUR

Duration: 2006-2009

Partners: 5

Contact: Uwe Fortkamp, [uwe.fortkamp@ivl.se](mailto:uwe.fortkamp@ivl.se)

Website: [www.lifetv.com](http://www.lifetv.com)



## TWINLATIN

Twinning European and Latin-American River Basins for Research Enabling Sustainable Water Resources Management.

Budget: 2.8MEUR

Duration: 2005-2008

Partners: 9

Contact: Sam Ekstrand, [sam.ekstrand@ivl.se](mailto:sam.ekstrand@ivl.se)

Website: [www.twinlatin.org](http://www.twinlatin.org)