

Externally funded projects

Predictability Research

	Project title	Begin - end	Participants	Funded by
National	Climate variability on decadal time scale	1995 - 2000	Opsteegh, Haarsma, Weber, <i>Selten</i>	NOP
	Patterns of low-frequency climate variability: a model paleodata comparison	1997 - 2000	Weber, Können (Clim An), <i>Shabalova</i> (Clim An)	NOP
	Weather Analysis and Forecasting ('Appl Mod' is a Division of the Observations and Modelling Department.)	1998 - 2000	Verkley, Moene (Appl Mod), <i>Vosbeek</i>	BCRS
	ECBILT image-Defining Interactions and Feedbacks between Land Cover and Climate to Apply in an Integrated Assessment Model	1999 - 2002	Schaeffer	RIVM
	SEA LEVEL CLIMATE VAR.- Ocean-climate variability and sea level in the North Atlantic region since AD 0	1999 - 2001	Van der Schrier, Weber, Drijfhout	NOP
	LANDGEBRUIK - Interactions between land use, atmospheric concentration of greenhouse gases and climate in Western Europe and their consequences for post-Kyoto options	1999 - 2001	Opsteegh, Weber, Haarsma, <i>Selten</i>	NOP
International	SINTEX - Scale Interactions Experiments	1998 - 2001	Opsteegh, Haarsma, Beersma (Clim An), <i>Timmermann</i>	EU

Oceanographic Research

	Project title	Begin - end	Participants	Funded by
National	Data assimilation for the estimation of salinity in the western Pacific	1995 - 1999	Burgers, <i>Vossepoel</i>	SRON
	Mechanisms for decadal variability in the formation of mode water	1994 - 1999	Drijfhout, <i>Hazeleger</i>	NWO
	Natural variability of the wind-driven ocean circulation	1996 - 2000	Drijfhout, <i>Katsman</i>	NWO
	The upper ocean in complex realistic climate models	1995 - 1999	Komen, <i>Bonekamp</i>	NOP
	Modelondersteuning CKO	1999 - 2001	Komen, Kelder, Severijns, Cuijpers	UvU-COACH
International	ASGAMAGE - Air Sea Gas and Aerosol Exchange Experiment	1996 - 1999	Oost, Jacobs	EU
	AUTOFLUX - An Autonomous system for monitoring air-sea Fluxes using the inertial dissipation method and ship mounted instrumentation	1998 - 2001	Kohsiek (Atm Res), Oost, van Oort, Worrell	EU
	Euroclivar - A Concerted Action for the co-ordination of CLIVAR-related research in Europe	1996 - 1999	Komen, <i>van Beers</i>	EU
	Intercomparison of the World Ocean wind and wave climatology from in-situ, voluntary observing, satellite and model data	1997 - 2000	Sterl	INTAS
	TRACMASS - Tracing the Water Masses of the North Atlantic and the Mediterranean	1998 - 2001	Drijfhout	EU

* The participants whose names are printed in italics are financed (wholly or partly) by the funding organisation. If a participant is a member of another Division than the Division associated with the table, the abbreviation of the participant's Division is given between parentheses. The full names of the funding organisations can be found in the list of acronyms.

Atmospheric Composition Research

	Project title	Begin - end	Participants	Funded by	
National	DORAS - Development of O ₃ profile Retrieval Algorithm Space-borne Spectrometer	1998 - 2000	Kelder, Van Velthoven, Van Oss	BCRS	
	INDOEX - Indian Ocean Experiment	1996 - 2000	Kelder, Stockwell, Zachariasse, Van Velthoven	NWO	
	NEONET - Netherlands Earth Observation Network; application: SCIAMACHY Data Centre	1997 - 2000	Piters, Stammes (Atm Res), Koelemeijer (Atm Res), Valks	BCRS, SRON	
	OMI - Ozone Monitoring Instrument	1998 - 2008	Levelt, Noordhoek	EZ, V&W	
	RADCHIS - Research on Atmospheric Dynamics and Chemistry in Surinam	1998 - 2002	Kelder, Fortuin	NWO	
	Sciavalig validatie	1997 - 1999	Piters, Kelder, Timmermans	NIVR	
	AERO-Aviation Emissions and Evaluation of Reduction Options	1998 - 2000	Meijer, Van Weele, Van Velthoven, Kelder	RLD	
	Sciamachy Data Assimilatie	1999 - 2000	Eskes, El-Serafy	BCRS	
	MEGGY-Monitoring Emissions of Greenhouse Gases using SciamachY	1999 - 2001	Van Velthoven, Van Weele	BCRS	
	SCIAMACHY Validation Scientific Support	2000 - 2005	Piters, Timmermans, Van der Teems	NIVR	
	SCIAMACHY Validation Meteorological Products	2000 - 2003	Piters, Timmermans	NIVR	
	SCIAMACHY Validation Ozone Models		Piters, Eskes	NIVR	
	STROPDAS-Satellite Remote Sensing for Ozone Prediction with Data Assimilation	1999 - 2000	Van Oss, Van Velthoven, Van Geffen	BCRS	
	SASCIA-Studies of Assimilated Sciamachy data	1999 - 2003	Van Velthoven, Segers	SRON	
	SCIARALI-Sciamachy Retrieval	2000 - 2001	Van Gent, Van Oss	SRON	
	SCIAMACHY Validation UV Products	2000 - 2002	Piters, Van Weele	NIVR	
	UFA ₁ , 2Upper Tropospheric Aerosol Formation	1999 - 2000	Van Velthoven, Meloen		
	International	ACE - Atmospheric Chemistry Explorer	1998 - 2000	Kelder, Van Velthoven, Van Weele	ESA
		AEROCHEM - Modelling of the impact on ozone and other chemical compounds in the atmosphere from airplane emissions	1998 - 2000	Van Velthoven, Pultau	EU, University of Oslo
		ATOP - Atmospheric and Optical data Preprocessing reference chain	1997 - 1999	Kelder, Piters	ESA
AVION - Study of airplane emissions		1997 - 1999	Van Velthoven, Van Weele, Pultau	RLD	
CARIBIC - Civil Aircraft for Remote Sensing and In-situ measurements in troposphere and lower stratosphere Based on the Instrumentation Container concept		1996 - 1999	Van Velthoven, Cuijpers	EU	
DARE - Data Assimilation in Readiness for ENVISAT		1997 - 1999	Kelder, Eskes	EU	
EULINOX - European Lightning Nitrogen Oxides Experiment		1998 - 1999	Van Velthoven, Meijer	EU	
GODIVA - GOME Data Interpretation, Validation and Application		1998 - 2000	Eskes, El Serafy	EU	
GOFAP - GOME Ozone Fast delivery and value-Added Products		1997 - 2000	Piters, Kelder, Scheele, Van der A, van Geffen, Valks	ESA	
OASE - Ozone Application Simulator and Explorer		1996 - 1999	Kelder, Allaart, Van der A	EU	

Ozone SAF - Satellite Application Facility for ozone data	1997 - 2002	Kelder, Valks, Van Oss, Van der A	EUMET-SAT
POLINAT - Pollution from Aircraft Emissions in the North Atlantic Flight Corridor	1995 - 1999	Kelder, Meijer, Van Velthoven	EU
SINDICATE III - Study of Indirect and Direct Influences on Climate of Anthropogenic Trace Gas Emissions	1998 - 1999	Kelder, Van Velthoven, Siegmund, Van Dorland (Atm Res), Scheele, Verver, Fortuin, Straume	EU
SODA - Studies of Ozone Distributions based on Assimilated Satellite Measurements	1996 - 1999	Kelder, Allaart, Levelt, Eskes	EU
STREAM III - Stratosphere-Troposphere Experiment by Aircraft Measurements	1998 - 2000	Van Velthoven, Siegmund, Ambaum, Brunner	EU
SUVDAMA - Scientific UV Data Management	1996 - 1999	Kelder, Van Weele	EU
TRACAS - Transport of Chemical species through the Subtropical tropopause	1997 - 1999	Siegmund, Meloen	EU

Atmospheric Research

	Project title	Begin - end	Participants	Funded by
National	Analysis and modelling of boundary layer clouds during ASTEX	1997 - 2000	Holtslag, Lenderink	NWO
	Antarctic mass balance modelling	1994 - 2002	Van Meijgaard, van Lipzig	NWO
	CARIS - Cloud Absorption Retrieval from the near IR-channels of SCIAMACHY	1998 - 2001	Stammes, Knap	SRON
	CLARA - Clouds And Radiation; Intensive experimental study of clouds and radiation in the Netherlands	1995 - 1999	Van Lammeren, Feijt, Konings	NOP
	Clouds products retrieval for MSG	1997 - 2000	Feijt, Dlhopsky	BCRS
	Representation of the seasonal hydrological cycle in climate and weather prediction models in West Europe	1997 - 2001	Holtslag, van den Hurk	NOP
	SCIAPOL - SCIAMACHY Polarisation-correction and validation	1998 - 2001	Stammes, Schutgens	SRON
	Sensor Synergy Study for the ERM	1998 - 2001	Van Lammeren, Bloemink	SRON
	Shallow cumulus convection and its interaction with the atmospheric boundary layer	1998 - 2002	Siebesma, Jonker, Holtslag, Neggens	NWO
	Sunspot; Possible influence of variation in solar activity on the global climate	1997 - 1999	Van Ulden, van Dorland	NOP
	CM-SAF-Satellite Application Facility on Climate Monitoring	1999 - 2003	Feijt, Roebeling	EUMETSAT
	SCIAMACHY core validation	1999 - 2002	Stammes, Koelemeijer	NIVR
	CLOSAER-The effects of aerosol on closure of the regional short-wave radiation balance	1999 - 2001	Stammes, Knap, Henzing	NOP
	ZON & KLIMAAT	1999 - 2001	Van Dorland	NOP
International	Analysis of ERM Synergy by use of CLARA observations	1998 - 1999	Van Lammeren, Donovan	ESA
	AUTOFLUX - An Autonomous system for monitoring air-sea Fluxes using the inertial dissipation method and ship mounted instrumentation	1998 - 2001	Kohsiek, Oost (Ocea Res), van Oort (Ocea Res), Worrell (Ocea Res)	EU
	CLARE'98 - Cloud Lidar and Radar Experiment 1998	1998 - 1999	Van Lammeren	ESA
	NEW BALTIC II Energy and water cycle of the Baltic Sea catchment	1998 - 2000	Holtslag, van Meijgaard, van den Hurk	EU

Quantification of the Synergetic aspects of the ERM	1998 - 1999	Van Lammeren, <i>Donovan</i>	ESA
Validation Surface Scheme	1998 - 1999	Holtslag, <i>van den Hurk</i>	ECMWF
ERM-Imager	1999 - 2000	Beysens, Feijt, Jolivet, Van Lammeren, Mebold	ESA
CLIWA-NET-BALTEX Cloud Liquid Water Network: CLIWA-NET	2000 - 2003	Van Lammeren, Jolivet, Bloemink	EU
GOME-Delta validation	1999 - 1999	Stammes, Schutgens	ESA
EUROCS-European Project on Cloud Systems in Climate Models	2000 - 2003	Siebesma, Lenderink	EU

Climate Analysis and Scenarios

	Project title	Begin - end	Participants	Funded by
National	Patterns of low-frequency climate variability: a model paleodata comparison	1997 - 2000	Weber (Pred Res), Können, <i>Shabalova</i>	NOP
	Weather Generator for the Rhine basin	1997 - 2000	Buishand, Beersma, <i>Brandsma</i>	RIZA
	Neerslaggenerator Maasgebied	2000 - 2002	Wócjik, Buishand, Beersma	RIZA
	GCM Comparison-Climate projections for Europe: GCM intercomparisons and analysis of the predictability in practical and theoretical sense	2000 - 2001	Van den Brink, Doortmont, Opsteegh, Können	NOP
	IRMA-SPONGE- Integrated water management strategies for the Rhine and Meuse basins in a changing environment	1999 - 2001	Können	NOP
International	ECLAT-2 - European Climate Change Project - Concerted Action Initiative	1998 - 2001	Beersma	EU
	SINTEX - Scale Interactions Experiments (Opsteegh, Haarsma and <i>Timmermann</i> from Pred Res)	1997 -2000	Opsteegh, Haarsma, Beersma, <i>Timmermann</i>	EU
	WRINCLE - Water Resources: the Influence of Climate Change in Europe	1998 - 2000	Buishand, <i>Helmyr</i> , Beckman	EU
	SWURVE	2000 - 2003	Buishand, Shabalova	EU
	CLIWOC	2000 - 2003	Koek, Können	EU

Seismology

	Project title	Begin - end	Participants	Funded by
National	Sonic Boom	1998 - 2001	Haak, <i>Evers</i>	Klu
	Pilot experiment tiltmeters	1996 - 2001	Haak, <i>Sleeman</i>	EZ
International	PALEOSIS - Identification of paleoseismic events in low seismicity areas	1998 - 2000	Dost, <i>Evers</i>	EU
	ASPELEA - Assessment of Seismic Potential in European Large Earthquake Areas	1997 - 2000	Van Eck, <i>Dineva</i> , <i>Van der Meijde</i>	EU
	MEREDIAN-Mediterranean-European Rapid Earthquake Data Information and Archiving Network	2000 - 2003	Van Eck, Dost, Sleeman, Evers, Goutbeek	EU

Model Support

Project title	Begin - end	Participants	Funded by
Model support	1999 - 2001	<i>Cuijpers</i> (Atmos. Comp. Res) <i>Severijns</i> (Ocea. Res)	OCW