



ARPAV - Regional Agency for Environmental Protection and Prevention of Veneto

INSTITUTIONAL PROFILE

ARPAV is a public body founded in 1996. The goal of the Agency is to control and preserve the environment in order to help the identification and elimination of risks to humans and to the environment. Its principal activities are:

- Controlling of the environment including sources of pollution (e.g. industrial emissions, waste, radiation);
- Monitoring of the state of the environment, particularly the quality of air, water, and soil;
- Preventing risk factors and promoting an education aimed at favouring life styles, which respect the environment.

ARPAV coordinates its activities closely with others Public Bodies and Private Organisations in order to complete its tasks for the interest of whole society, having developed a large and structured network. To this end, in order to develop also on international landscape those expertises, exchanging best practices as well as learning and giving international lessons, ARPAV is constantly partner and leader within several international projects, summarised here below. Nevertheless the following list of projects also contains some national or regional level experiences that is worth referring considered their scientific and economic value.

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
1	PREPAIR “Po Regions Engaged to Policies of AIR” LIFE PLUS 2014- 2020	<p>The project aims to create a coordination among Po Regions in order to realize measures for improvement air quality in the Po Valley. Po Valley (northern Italy) represents an important non attaining zone for PM, NO₂ and O₃.</p> <p>PREPAIR will implement the measures foreseen in the regional plans and in the Po Valley agreement at a larger scale so to strengthen the sustainability and durability of results.</p> <p>The project will also integrate a wide set of technical tools (emissions inventories, air quality models, enhanced monitoring stations, etc.) now working independently in the several regions. This goal will be realized establishing a permanent networking structure between the environmental agencies of the Po Valley and Slovenia.</p>	2017	2023	Total budget: 16.805.000,00 € Arpav budget: 663.072,00 €	Partners	Regione Emilia-Romagna (Leader Partner) Regione del Veneto Regione Lombardia Regione Piemonte Regione Friuli-Venezia Giulia Provincia Autonoma di Trento ARPA Emilia Romagna ARPA Piemonte ARPA Lombardia ARPA Valle d'Aosta ARPA Friuli Venezia Giulia Agenzia per l'Ambiente della Slovenia Comune di Bologna Comune di Milano Comune di Torino Emilia-Romagna Valorizzazione Economica Territorio SpA (ERVET) Fondazione Lombardia per l'Ambiente (FLA)

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2	PHOENIX LIFE16 ENV/IT/000488 “Perfluorinated compounds HOlistic ENvironmental Interinstitutional eXperience”	The aim is to demonstrate how a new interinstitutional governance system, supported through innovative forecast tools and mitigation actions, can manage risks related to the diffusion of persistent mobile organic contaminants – with a particular focus on PFAS – more effectively and efficiently.	2017	2020	Complessivo: 2.176.493,00 € Arpav: € 477.077,00	Partner	Regione del Veneto (IT) Consiglio Nazionale delle Ricerche – Istituto di Ricerca sulle acque, CNR-IRSA (IT) Università degli Studi di Padova, Dipartimenti di Biologia e di Ingegneria Industriale (IT)
3	CIRCE “Expansion of the CIRcular Economy concept in the CEntral Europe local productive districts”	CIRCE main objective -in line with CE Priority 3.1 & new EU Action Plan for CircEcon- is to facilitate a larger uptake of integrated environmental management approach in 5 specific CE industrial areas by changing patterns from single&sporadic company recycling interventions to integrated redesign of industrial interactions based on the circular economy.	2017	2020	Total 2.344.210,00 ARPAV 419.292,00	Lead Partner	ETRA (I); AM TRANS PROGRES SP Z.O.O. (PL); IFKA (HU); BAY ZOLTAN ALKAMAZOTT KUTATASI KOZHASZNU NONPROFIT KFT (HU); ABFALLWIRTSCHAFT TIROL MITTE GMBH (AT); JAVNA USTANOVA RERA SD ZA KOORDINACIJU I RAZVOJ SPLITSKO-DALMATINSKEZUPANIJE (HR); CISTOKA CETINSKE KRAJNE D.O.O. (HR)

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4	<p>REMEDI “REgenerating mixed-use MED urban communities congested by traffic through Innovative low carbon mobility sOlutions”</p> <p>A project that promotes low- carbon sustainable mobility in congested roads and needs to be regenerating for 4 medium-sized Mediterranean cities. (Project Interreg of the Program MED 2014-2020)</p>	<p>REMEDI aim at the challenge of the high density areas surrounding the city centers with commercial and directional roads often suffering from traffic jam.</p> <p>For such congested roads, REMEDI proposes to transform them into “horizontal condominiums”, forms of participatory governance that actively engage institutions, stakeholders and citizens and with which the Municipality can directly interact to improve multi-modal and low carbon mobility, freight logistic and environmental quality.</p>	2016	2019	<p>Complessivo: 2.215.512,50 €</p> <p>Arpav: 343,950.00 €</p>	Lead Partner	<p>Municipality of Treviso (IT) Aristotle University of Thessaloniki (GR) Istituto Superior Tecnico of Lisboa (PT) University of Seville (ES) Metropolitan Development Agency of Thessaloniki (GR) City of Split (HR) Municipality of Loures (PT)</p>

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5	SPARE Strategic Planning for Alpine River Ecosystems – Integrating protection and development ALPINE SPACE Programme 2014-2020	SPARE's overall objective is to capitalize and improve strategic river management approaches across different spatial and governance levels of the alps and increase awareness of functions, services and vulnerability of alpine river ecosystems for successful protection activities	2015	2018	Overall € 2.184.820,47 Arpav € 175.000,00	Partner	BOKU – Universität für Bodenkultur Wien, Institut für Hydrobiologie und Gewässermanagement (AT) Land Oberösterreich (AT) IRSTEA – Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture (FR) Syndicat Mixte de la Rivière Drôme et de ses affluents (FR) Agenzia Regionale per la Prevenzione e Protezione Ambientale del Veneto (IT) Agenzia Regionale per la Protezione dell'Ambiente della Valle d'Aosta (IT) CIPRA – Commission Internationale pour la Protection des Alpes (FL) IzVRS – Inštitut za vode Republike Slovenije (SI) Fundaziun Pro Terra Engiadina (CH)
6	MACEDONIA TWINNING "Further strengthening the capacities for effective implementation of the acquis in the field of air quality" MK 12 IB EN 01	The project purpose is to strengthen the administrative capacities in the area of air quality management and health impact assessment of air pollution by implementing the appropriate EU acquis	2015	2016	Overall: 1.100.000 € Arpav: about € 25.000,00	Subcontract or	Finnish Meteorological Institute (FI) Umweltbundesamt GmbH (Environment Agency Austria)

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7	CAIMANs Cruise and passenger ship Air quality Impact Mitigation ActioNs	The project focuses on the air quality impact and greenhouse gases assessment for cruise and passenger ships. Starting from an insight on the air quality of five important port cities in the North Mediterranean Sea (Barcelona, Marseille, Genoa, Venice and Thessaloniki) and going on involving in a participative consultation some South Mediterranean port cities, the project aims at setting the basis to identify critical points and propose orientations for future projects and policies addressing cruise and passenger ship traffic air pollution mitigation.	2014	2015	Overall € 711.000,00 Arpav € 197.000,00	Leader	University of Genoa – Department of Physics (IT); Aristotle University oh Thessaloniki (GR) Air PACA (FR); Spanish Research Council – Institute of Environmental Assessment and Water Research (ES)

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8	SEDALP Sediment management in Alpine basins: integrating sediment continuum, risk mitigation and hydropower (ALPINE SPACE Programme)	The project aims at the development and testing of strategic policies and tools for integrated management of sediment in Alpine catchments with the aim of effective risk reduction, conservation of aquatic ecosystems and reducing the impact created from hydropower.	2012	2015	Overall € 2.591.350,00 Arpav € 115.500,00	Partner	Federal Ministry of Agriculture, Forestry, Environment and Water Management (AT) Provincia Autonoma di Bolzano – Rip. Opere Idrauliche (IT) Università di Padova – Dipartimento Te.S.A.F. (IT) CNR-IRPI di Padova (IT) Regione Piemonte – Direzione Opere pubbliche, difesa del suolo, economia montana e foreste (IT) Bavarian Environment Agency (DE) IRSTEA – Grenoble regional center, Snow avalanche engineering and torrent control research unit (FR) CNRS - National Center of Scientific Research (FR) University of Ljubljana (SI) Office of the Tyrolean Regional Government (AT) University of Natural Resources and Life Sciences Vienna (AT) Institute for Water of the Republic of Slovenia (SI) Regional Government of Carinthia AT)

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9	GUARDEN (Guardians of Environment) Framework: An Integrated Approach of Strategies for Prevention of Soil Pollution and Rehabilitation of Harmed Territories (SEE – South East Europe Programme)	The project focuses on developing and testing a coherent framework aimed to support rational design and implementation of local strategies for environmental risks, prevention and management, specified for territories threatened by soil or water pollution.	2012	2014	Overall € 2.125.000,00 Arpav € 100.000,00	Partner	Region of Peloponnese Regpel (EL) Thessalonica Agricultural And Industrial Institute (EL) EC Business And Innovation Centre Of Attika (EL) Federation Of Industries Of Northern Greece (EL) Agricultural University – Plovdiv (BG) Bulgarian Chamber Of Commerce And Industry (BG) Szent István University, Faculty Of Agriculture And Environmental Sciences (HU) Camera di Commercio di Potenza (IT) Veneto Agricoltura (IT) Irecoop Veneto (IT) National Institute Of Research And Development For Food Bioresources – Iba Bucharest (RO) Chamber Of Agriculture And Forestry Of Slovenia (SI) Zadar County Development Agency (HR) University Of Belgrade - Faculty Of Agriculture (SR)

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10	3PCLIM Past, Present and Perspective Climate of Tirol, Südtirol-Alto Adige and Veneto (INTERREG IV ITALIA – AUSTRIA Programme)	<p>The project focuses on a complete and uniform climatological study to satisfy the current demands of the large area of North Tyrol-South Tyrol / Tyrol and Veneto.</p> <p>The new climatology will be available to agencies of the schools of public institutions as a source of information for further use. For the first time are measured remote sensing data such as radar data. Part of the project is a comprehensive overview of the climatology of the glaciers that is essential in environmental education in schools in the energy industry and tourism.</p>	2011	2014	<p>Overall € 1.286.355,00</p> <p>Arpav € 187.925,00</p>	Partner	ZAMG – Zentralanstalt für Meteorologie und Geodynamik Autonome Provinz Bozen, Abt. Brand- und Zivilschutz

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11	KOSOVO TWINNING "Institutional support to the Ministry of Environment and Spatial Planning (MESP) of Kosovo" Twinning Project KS 10 IB EN 01 (IPA Programme)	Improving the state of the environment including water, waste and management of urban settlements in accordance with the EU environmental rules and with EU best practice to provide better health and living conditions for the citizens of Kosovo	2011	2013	Overall € 1.800.000,00 Arpav € 87.797,50	Leader	INFORMEST, French Ministry of Ecology and Sustainable Development, Transport and Infrastructure (MEDDTL), International Office for Water/ Office International de l'Eau (IOW/OIEAU) Geological and Mining Research Bureau BRGM), Technical Workshop for Natural Spaces (ATEN) SMAT Spa di Torino Istituto Superiore di Sanità (ISS)
12	MONTENEGRO TWINNING "Support to Environmental Management" Twinning Project MN/08/IB/EN/01 (IPA Programme)	This project aims to assist the MPA in the development and harmonization of legislation to strengthen the capacity of the Environmental Protection Agency and to support Project Implementation Unit (PIU PROCON) in the management of environmental infrastructure investment projects	2011	2013	Overall € 975.102,00 Arpav € 61.650,00	Partner	Direzione Generale per lo Sviluppo Sostenibile, il Clima e l'Energia del Ministero dell'Ambiente e della Tutela del Territorio ("MATTM"), (ISPRA) Studiare Sviluppo Srl

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13	RE.S.M.I.A. Innovative Networks and Monitoring Stations for the Environment (POR ERDF – Objective “Regional Competitiveness and Employment”)	Pilot project of industrial research aimed to enhance and integrate environmental networks and monitoring stations available to ARPAV. Specific objectives : protection of the environment; risk prevention; minimization of environmental impact of monitoring stations.	2010	2013	Overall € 1.100.000,00 Arpav € 550.000,00	Partner	CIVEN - Coordinamento Interuniversitario Veneto per le Nanotecnologie (Italia)
14	MACEDONIA TWINNING Strengthening The Central and Local Level Capacities for Environmental Management in the area of Air Quality Twinning Programme MK/2008/IB/ENV/0 1	The overall objective of twinning is to improve skills at the central level(Ministry of Environment) and local (municipal and provincial) for the management of air quality in Macedonia	2010	2012	Overall € 999.230,90 Arpav € 19.260,00	Partner	Finnish Meteorological Institute) Partner Austria Umweltbundesamt GmbH). Italy (Ministry for the Environment, Land and Sea) Arpa Lombardia (Italy)

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15	CROATIA TWINNING “Chemical safety. Strengthening legal framework of institutional infrastructure for protection from dangerous chemicals” Twinning Project HR2007/IB/EN/	This project aims to support the Ministry of Health and the Ministry of Environment of Croatia to strengthen the environmental legislation, in particular in the following fields REACH e SEVESO II.	2010	2012	Overall €799.989,90 Arpav € 21.000,00	Partner	Minoprio Fondazione Regione Lombardia Istituto Superiore di Sanità “Chemical safety. Strengthening legal framework of institutional infrastructure for protection from dangerous chemical KemI
16	APICE Common Mediterranean strategy and local practical actions for the mitigation of port, industries and cities emissions (MED Programme)	The project targets to develop a knowledge-based approach for air-pollution mitigation and sustainable development of port activities. Apice, performed in 5 big port-cities, is organized in 3 main project phases: 1) air-monitoring campaigns, intercomparison modelling to quantify the impact of the selected pollutant sources to the air-quality in each territory; 2) identification of the risk activities to design intervention scenarios and 3) adaptation of the joint strategies at local to improve the governance capacities in the coastline project areas	2010	2012	Overall € 2.281.420,00 Arpav € 527.880,00	Leader	Veneto Region Territorial Planning and Parks Department (IT); Province of Genoa (IT); University of Genoa (IT); Marseille Port Authority (FR); University of Provence (FR) Region of central Macedonia (GR); Aristotle University of Thessaloniki (GR); University of west Macedonia-research Committee (GR); Spanish Research Council-institute of Environmental Assessment and water research (IDAEA) (ES); EUCC-Mediterranean Centre Country (ES)

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17	SHARE Sustainable Hydropower in Alpine Rivers Ecosystems (ALPINE SPACE Programme)	The purpose of SHARE is to develop, test and promote a decision support system to merge, on an unprejudiced base, both river ecosystems and hydropower requirements. The project openly pursues integrated river management aims.	2009	2012	Overall € 2.700.000,00 Arpav € 222.000,00	Partner	ARPA Valle d'Aosta (Leader – IT), Regione Piemonte (IT), RSE S.p.A. (IT), E-zavod (SI), Univerza v Ljubljani (SI), Technische Universität Graz (AT), Universität Innsbruck (AT), Das Land Steiermark (AT), Université Joseph Fourier Grenoble (FR), GERES (FR), Universität Stuttgart (DE), AEM - Association Européenne des Elus de Montagne (FR)
18	SEE HYDROPOWER Targeted to improve water resource management for a growing renewable energy production (SEE – South East Europe Programme)	The project aims to a better utilisation of water concerning hydropower production in SEE countries, looking up to renewable energy sources development, preserving environmental quality and preventing flood risk. The project had given a strong contribution to the integration between the WFD Directive and the RES-e Directive implementation in the EU countries.	2009	2012	Overall € 2.539.800,00 Arpav € 208.000,00	Partner	RSE S.p.A. (Leader – IT), Provincia di Belluno (IT), Technische Universität Graz (AT), Das Land Steiermark (AT), Univerza v Ljubljani (SI), Ministrstvo za okolje in prostor – Republika Slovenija (SI), Universitatea Politehnica din București (RO), Apele Române (RO), Prefecture of Serres Province (GR), Prefecture of Arta Province (GR), Universität für Bodenkultur Wien – BOKU (AT), Universitatea Tehnică a Moldovei (MD)

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19	PARAMOUNT ImProved Accessibility: Reliability and security of Alpine transport infrastructure related to mountainous hazards in a changing climate (ALPINE SPACE Programme)	The project aimed at improving hazard management strategies for infrastructure protection by the adaptation of existing tools and practices to the transport sector (debris-flow, avalanche, rockfall).	2009	2012	Overall € 2.789.000,00 Arpav € 120.000,00	Partner	Lebenministerium (Leader – AT), ÖBB (AT), Bundesforschungs- und Ausbildungszentrums für Wald, Naturgefahren und Landschaft – BFW (AT), Provincia Autonoma di Bolzano (IT), Provincia Autonoma di Trento (IT), Università di Padova (IT), ARPA Piemonte (IT), PUH (SI), Univerza v Ljubljani (SI), IRSTEA (FR)
20	HAREIA Historical And Recent Earthquakes in Italy and Austria (INTERREG IV ITALIA-AUSTRIA Programme)	The main technical objectives are the installations of seismographs for integrating the existing network and the processing of a earthquakes lists through an historical research in the Tirolo, Alto Adige, Friuli Venezia Giulia e Veneto regions.	2009	2012	Overall € 1.080.400,00 Arpav € 251.000,00	Partner	Lead Partner : Ufficio della Regione Tirolo, Ripartizione Protezione Civile e Anticastrofe (Austria) Partner : ARPAV - Dipartimento Provinciale di Belluno, Ufficio Geologia e Prove materiali, Provincia Autonoma Bolzano - Alto Adige (Italia), Protezione Civile di Palmanova, Regione Autonoma Friuli Venezia Giulia (Italia),

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21	ALFFIRS Alpine Forest Fire warning System (ALPINE SPACE Programme)	The overall objective of the project is to control and reduce the role of the forest fires as natural hazard for the Alpine environment considerably through prevention and mitigation actions. The project aims to develop a multi-referential innovative service that strongly supports forest fire management, above all in prevention activities and in the mitigation of the impact due to flaming front on the Alpine forests	2009	2012	Overall € 2.868.160,00 Arpav € 60.000,00	Partner	Lead Partner : Arpa Piemonte (Italia) Partner : Regione Veneto (Italia), Regione Piemonte (Italia), Regione Autonoma Friuli Venezia Giulia (Italia), ERSAF Lombardia (Italia), Slovenian Forestry Institute (Slovenia) Regional Development Agency of Gorenjska Region (Slovenia), CEREN (Francia), ZAMAG (Austria), BOKU Universität für Bodenkultur Wien (Austria), University of Munich (Germania), Sezione Forestale Cantonale del Ticino (Svizzera), Federazione Cantonale Ticinese del Corpo dei Pompieri (Svizzera), Istituto Federale di Ricerca (Svizzera)
22	ESTONIA TWINNING light “Estimation of concentrations of radionuclides in Estonian ground waters and related health risks” Twinning Project EE06-IB-TWP- ESC-03	Ground waters in Estonia, due to geological reasons, contain a certain amount of natural radionuclides. The purpose of the twinning is to minimize the health risks caused by radionuclides in Estonian drinking waters.	2008	2009	Overall € 73.600,00 Arpav € 4.680,00	Partner	Arpa Lombardia (Italy) Health Protection Inspectorate (Estonia) Ministry of Environment (Estonia) Radiation Protection Centre (Estonia) Association of Estonian Water Producers (Estonia) Institute of Physics of University of Tartu (Estonia)

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23	ALP WATER SCARCE Water Management Strategies against Water Scarcity in the Alps (APINE SPACE Programme)	It is expected that in future, even the water-rich Alps, in particular the southern Alps, will be affected by severe droughts due to climate change. Increasing anthropogenic water abstraction (for energy, cooling, irrigation, tourism and artificial snow) will exacerbate the water scarcity problem. The project will investigate this matter and will try to propose new strategic approaches and solutions (multifunctional water use and reuse, land use change, artificial groundwater recharge, etc.).	2008	2011	Overall € 3.990.903,00 Arpav € 201.200,00	Partner	Institute de la montagne, Universite' de Savoie (France) (Leader) Societé Economique Alpestre (France) Conseil Generale de la Savoie (France) Amt der Kaernter Landesregierung (Austria) Amt der Steiermaerkischen Landesregierung (Austria) Paris Lodron Universitaet Salzburg Zentrum fuer Geoinformatik (Austria) Bundesanstalt fuer Agrarwirtschaft (Austria) GAL Appennino genovese (Italy) Province of Alessandria (Italy) Province of Trento - Dipartimento Urbanistica e Ambiente (Italy) UNCEM Delegazione Piemonte (Italy) ARPAV - DRST (Italy) Geoloski Zavod Slovenije (Slovenia) Nacionalni Institut za Biologijo, Ljubljana (Slovenia) Kmetijsko Gozdarska zbornica slovenije, Maribor (Slovenia) Eidgenoessische Anstalt fue Wasserversorgung, Abwasserreinigung und Gewaesserschutz (Switzerland) Bundesamt fuer Umwelt BAFU (Switzerland)

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24	PERMANET Longterm Permafrost Monitoring Network (Alpine Space Programme)	Permafrost is highly sensitive to climatic changes. The overall objective of the PermaNET project is to make an important contribution to the mitigation of natural hazards that result from climate change impacts on alpine permafrost. The PermaNET project will produce an alpine-wide permafrost monitoring network including an information system and selected monitoring sites, a permafrost map for the entire Alpine Space and a common strategy as well as guidelines for the consideration of permafrost in risk and water resources management.	2008	2010	Overall € 3.03.468,00 Arpav € 89.000,00	Subcontract or	Autonomous Province of Bolzano - South Tyrol, Office for Geology and Building Materials Testing (Italy) (Leader) Bavarian Environment Agency, Department 10: Geological Survey, Economic Geology, Soil Protection (Germany) Regional Agency for Environmental Protection of Piemonte, Regional centre for geological researches (Italy) Aosta Valley Autonomous Region (Italy) Region of Veneto, Geological Survey (Italy) Autonomous Province of Trento - Civil and Territory Protection Department, Geological Survey (Italy) Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management, Forest Department (Austria) University of Innsbruck, Institute of Geography (Austria) University of Graz, Institute of Geography and Regional Science (Austria) Central Institute for Meteorology and Geodynamics, Regional Office for Salzburg and Oberösterreich (Austria) University Joseph Fourier - Grenoble I, Institute of Alpine Geography, Lab PACTE-Territoires (France) National Center for Scientific Research - EDYTEM Laboratory (France) Grenoble Institute of Technology, GIPSA-lab (France) Federal Office for the Environment FOEN (Switzerland)

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25	ROMANIA TWINNING “Support to the National Environmental Guard (NEG) to strengthening its capacity on inspection and control” Twinning Project RO06/IB/EN/10 (IPA Programme)	The proposed project aims to support the National Environmental Guard (NEG) and its national, regional and local level structures, with their day-to-day responsibilities and functions related to the enforcement of the environmental in the following fields: IPPC, SEVESO II, VOCs, Chemicals, LCP, WEEE management, water management, nature protection and GMOs	2008	2009	Overall € 600.000,00 Arpav € 95.600,00	Leader	Arpa Veneto (Italy) National Institute of Health – ISS (Italy) Arpa Basilicata (Italy)CGIAM Center of Integrated Geomorphology for the Mediterranean Area (Italy) National Environmental Guard (Romania) The Regional Environmental Protection Agencies (REPAs) (Romania) The Local Environmental Protection Agencies (LEPAs) (Romania)
26	BULGARY TWINNING “Strengthening of surface water monitoring network operation” Twinning Project BG06/IB/EN/01	The ultimate overall objective of the present project is the implementation of the WFD 2000/60/EC requirements related to monitoring of surface water bodies (rivers, lakes, coastal waters, artificial surface water bodies and heavily modified surface water bodies).	2008	2009	Overall € 700.000,00 Arpav € 64.500,00	Partner	Ministry of Environment (Italy) (Leader) ISS, Italian National Health Institute (Italy) National Research Council (Italy) Studiare Sviluppo (Italy) Various Bulgarian authorities

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27	POLAND TWINNING “Strengthening the Polish environmental administration in implementation community of through information technology systems” Twinning Project PL2005/IB/EN /04/TL	<p>The project aims to strengthen the administration responsible for implementation of community in the field of environmental protection and water management. This objective will be achieved by providing IT facilities that will allow complying better with obligations resulting from the acquis communautaire, in particular in the scope of collecting and processing environmental data for reporting and decision-making purposes and in the field of making environmental information available to the public</p>	2008	2008	Free participation	Support as Technical member	Formez (Italy) CSI Piemonte (Italy)

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28	ROADIDEA Road Map for Radical Innovations in European Transport Services (7th FRAME PROGRAM)	ROADIDEA will analyse the innovation potential of the European transport systems by developing a comprehensive methodology to collect very detailed and versatile traffic information, both static archived data and dynamic in real time from vehicles (onboard sensors) and infrastructure (e.g. roadside video monitoring, archives), and to process and analyse this data for a large transport network in order to produce relevant informations for mobility services.	2007	2010	Overall € 4.903.707,00 Arpav € 252.600,00	Partner	Foreca Consulting Ltd (Finland) VTT Technical Research Centre of Finland Finnish Meteorological Institute Destia Tieliikelaitos (Finland) Klimator AB (Sweden) Demis B.V. (Netherlands) DLR, Institute of Transport research (Germany) Pöyry Infra Traffic GmbH (Germany) Road Safety Engineering Bureau (Hungary) Meteo-Info (Croatia) AMANOVA d.o.o. Adadvanced Materials, Intelligent Systems (Slovenia) LogicaCMG Netherland B.V.
29	COST Action 734 Impacts of Climate Change and Variability on European Agriculture: CLIV AGRI	The main objective of the Action is the evaluation of possible impacts from climate change and variability on agriculture and the assessment of critical thresholds for various European areas	2006	2010	Free participation	Support as Technical member	Various representatives of: Austria, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, United Kingdom

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30	LIFE-PARFUM particulates Freight and heavy duty vehicles in Urban environments (LIFE III ENV)	The project will implement and evaluate a combination of innovative technologies for clean vehicles for city logistics and public transport, integrated with policy and planning approaches. It will be tested and evaluated under real-life conditions in two urban areas (Bremen/DE, Padua/IT).	2006	2009	Overall € 2.188.079,00 Arpav € 263.107,00	Partner	City of Bremen (Germany) (leader) SWB (Germany) DHL (Germany) City of Padua Province of Padua Net-Engineering (Italy) DCMR (Nederland)
31	SLOVAK TWINNING “Establishment of the Environmental Quality Standards for water and Strengthening of Regional and District Environmental Offices for implementation of water controls and monitoring“ Twinning Project SK2005/IB/EN/01	The project is targeted to develop the Environmental Quality Standards (EQSs), for some of the priority substances and dangerous substances identified during the process of Pollution Reduction Programme as relevant for the Slovak Republic. Furthermore, the implementation of the project will allow the relevant state administration responsible for water protection and sustainable use of water resources to fulfil the requirements of the Water Framework Directive 60/2000/EC and Council Directive 76/464/EEC.	2006	2008	Free participation	Support as Technical member	Agency for Co-operation of Local Authorities (Italy) Arpa Piemonte (Italy) Arpa Veneto (Italy) Arpa ER (Italy) Slovak Hydro-Meteorological Institute - SHMU (Slovenia) ISS, Italian National Health Institute Provincial administrations of Turin, Reggio Emilia, Mantova, Cremona, Modena

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32	POLAND TWINNING “Extension of the sanitary supervision system in the area of water quality” Twinning Project PL2005/IB/EN/03 (PHARE – CARDS Twinning)	Improving of the Drinking Water Monitoring management system used by the Poland Chief Health Inspectorate	2006	2007	Overall € 769.999,00 Arpav € 25.100,00	Partner	Ministry of Health (Italy) (leader) National Health Institute (ISS – Italy) ARPA Lombardia (Italy) Formez
33	POLAND TWINNING “Management System on Drinking Water Monitoring in Chief Health Inspectorate” Twinning Project PL2004/IB/EN/02 (PHARE – CARDS Twinning)	Improving of the Drinking Water Monitoring management system used by the Poland Chief Health Inspectorate	2006	2007	Overall € 100.000,00 Arpav € 34.000,00	Partner	Formez ARPA Toscana (Italy) ARPA Emilia Romagna (Italy) (leader) ISS (National Health Institute - Istituto Superiore di Sanità - Italy) AQP (Consortium for waterworks in Puglia - Acquedotti Pugliesi Riuniti, Italy) APAT (Italy)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
34	COST Action 731 Propagation of Uncertainty in Advanced Meteo- Hydrological Forecast Systems	The main objective of the Action is to address issues associated with the quality and uncertainty of meteorological observations from remote sensing and other potentially valuable instrumentation. It will also consider their impacts on hydro-meteorological outputs from advanced forecasting systems	2005	2010	Free participation	Support as Technical member	Various representatives of: Belgium, Cyprus, Czech, Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, United Kingdom
35	Survey on water quality of small mountain lakes (INTERREG III A Italia-Austria Programme)	Survey on water quality of 6 small mountain lakes and pilot survey on Mosigo lake (San Vito di Cadore - BL)	2005	2007	Overall € 430.000,00 Arpav € 80.000,00	Partner	City of S. Vito di Cadore (Italy) (leader) City of Oetz (Austria) Innsbruck university
36	Integrated evaluation of air quality in Val Belluna (INTERREG III A Italia-Austria Programme)	Carrying out of a forecasting model able to support programmatic choices of the territory	2005	2007	Arpav € 150.000,00	Partner	Land Carinzia (Austria) ZAMG Salzburg

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
37	INSPECTAN Environmental Inspection Guidelines For The Tanning Industry (IMPEL program)	INSPECTAN project aims to provide: - A report describing basic principles for understanding potential environmental threats caused by the tanning industry according to the commonest production methods utilised within the European Union including the Accession Countries, taking into account the BREF tanneries. - A set of inspection guidelines based on the understanding of the main threats caused by the tanning industry	2005	2006	Overall € 78.000,00 Arpav € 20.000,00	Leader	Ministry of Ecology and Sustainable Development (France) UBA, Federal Environmental Agency (Germany) State Environmental Service Director of the Department of Permits and Specifications (Latvia) WIOŚ Warszawa Delegatura Radom (Poland) Conselleria de Medio Ambiente, Xunta de Galicia (Spain) Miljöskyddsensheten Länsstyrelsen i Västra Götalands län (Sweden) APAT - Environment Protection Agency and Technical Service (Italy) ARPAV, Regional Environmental Protection Agency Veneto (Italy) Province of Vicenza (Italy) ARPAT, Regional Environmental Protection Agency Tuscany (Italy)
38	COST Action 728 Enhancing meso- scale meteorological modelling capabilities for air pollution and dispersion applications	The main objective of the Action is to develop advanced conceptual and computational frameworks to enhance significantly European capabilities in mesoscale meteorological modelling for air pollution and dispersion applications.	2004	2009	Free participation	Support as Technical member	Various representatives of: Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Turkey, United Kingdom

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
39	MONARPOP Monitoring network in the Alpine Region for persistent and other organic pollutants (INTERREG III B Alpine Space Programme)	MONARPOP monitors POPs and other organic pollutants with respect to their: long-range transport to remote alpine regions; prevalent source directions; loads within the alpine range, including regional differences variation with altitude; present stocks, bound in forests of the alpine region; possible biological effects of the detected loads	2004	2008	Overall € 1.846.720,00 Arpav € 90.000,00	Partner	Austrian Ministry for Agriculture, Forestry, Environment ARPA Lombardia (Italy) Bayerisches Staatsministerium für Umwelt - Gesundheit und Verbraucherschutz (Germany) GSF Bayern (Germany) SFI Slovenia (Slovenia) BA Berlin (Germany) UBA Vienna (Austria) BUWAL (Switzerland)
40	POLAND TWINNING “Implementation of the Water Framework Directive 2000/60/EC” Twinning Project PL2002/IB/EN/01, (PHARE – CARDS Twinning)	The project aims to support the implementation of the EU Water Framework Directive (2000/60/EC of 23 October 2000) and the related European legislation in Poland and to facilitate the necessary adjustments of the legislative, administrative and technical framework conditions	2004	2005	Free participation	Support as Technical member	Gesellschaft für Technische Zusammenarbeit - GTZ (Germany) Geocart srl (Italy)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
41	ADRIAMET Integrated system for monitoring and forecasting of meteorological and water conditions parameters in Adriatic Sea (Interreg III Adriatic Cross Border Programme)	Production and distribution of “ADRIAMET” WEATHER FORECAST Creation of an informatics tool enabling sharing of data of interest for the monitoring of Adriatic Sea Local strengthening/integration of the regional and national monitoring networks in the Adriatic coastal and maritime area Using for forecast and test of models for the analysis and forecasting of the physical state of the Adriatic sea (waves and currents) Study of integrated methods for meteorological forecasting on the Adriatic area	2004	2008	Overall €1.222.000,00 Arpav € 612.000,00	Leader	ARPA Friuli Venezia Giulia (Italy) ARPA Emilia Romagna (Italy) Regional Government of Marche (Italy) Regional Government of Abruzzo (Italy) Rudjer Boskovic Institut - Center for Marine Research, Rovinj (Croatia) DHMZ, Meteorological and Hydrological Service (Croatia) RHMZ, HydroMeteorological Istitut of Montenegro (Serbia and Montenegro)
42	KATER II Karst water research program (IINTERREG III B CADSES Programme)	Analysis on available mountain aquifer data. Sampling and analysis on mountain underground waters quality. Implementation of monitoring network for mountain aquifer. Processing of acquired data	2004	2006	Overall € 3.246.400,00 Arpav € 90.000,00	Subcontract or	Regional government of lower Austria (leader) IRGO Institute of Mining, Geotechnology and Environment (Slovenia) Institute of Geology (Croatia) Molise University (Italy)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
43	FORALPS Meteo-hydrological Forecast and observations for improved water Resource management in the Alps (INTERREG III B Alpine Space Programme)	The project will improve and integrate instruments to support the management of environmental resources in alpine areas, in particular water. This goal will be achieved by adopting innovative techniques for monitoring and reconstructing the time evolution of whether hydrological processes	2004	2007	Overall € 2.797.300,00 Arpav € 210.000,00	Partner	Trento University (Italy) (leader) APAT (Italy) ARPA Friuli V.G. (Italy) ARPA Lombardia EARS (Italy) Province of Bolzano (Italy) Province of Trento (Italy) Regional government of Valle d'Aosta (Italy) ZAMG Innsbruck; Klagenfurt; Salzburg; Wien (Austria)
44	ALPS QUAKENET Alpine Integrated GPS Network: real time monitoring and master model for continental deformation and earthquake hazard (INTERREG III B Alpine Space Programme)	Alps-GPS Quake Net will promote transnational co-operation in the field of space geodesy applied to natural hazards. It will delineate the seismic potential within the Alpine space, mountains and surrounding foothills through a continuous GPS network "GAIN" (Geodetic Alpine Integrated Network) able to quantify the crustal deformation of the whole mountain range	2004	2008	Overall € 2.143.353,00 Arpav € 80.000,00	Partner	ARPA Piemonte (leader) Bayerische Akademie der Wissenschaften (Germany) Institut Physique du Globe de Strasbourg (France) Deutsches Geodaetisches Forschungsinstitut (Germany) Environmental Agency of the Republic of Slovenia Fondazione Montagna Sicura (Italy)Province of Bolzano - South Tyrol (Italy)Regional government of Liguria (Italy) Regional government of Lombardia (Italy)Province of Trento (Italy)Université Joseph Fourier, Laboratoire de Géophysique Interne et Tectonophysique (France)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
45	METEORISK Mitigation of natural risks through improved forecasting of extreme meteorological events (INTERREG III B Alpine Space Programme)	Improving of weather forecasting systems and communication between alpine countries aimed to support institutes in case of extreme meteorological events	2003	2006	Overall € 1.901.684,00 Arpav € 172.200,00	Partner	ARPA Friuli Venezia Giulia (Italy) ARPA Lombardia (Italy) ARPA Piemonte (Italy) DWD Meteo Swiss (Switzerland) Province of Bolzano (Italy) Province of Trento (Italy) Regional government of Valle d'Aosta (Italy) Slovenia Meteo Office ZAMG Salzburg (leader); Carintia; Stiria; Tirol (Austria)
46	Studies and monitoring actions on the Evolution of the marine-coastal ecosystem, for the protection, integrated management and exploitation of the sea resource (INTERREG III A/Phare CBC Italy-Slovenia 2000-2006)	Project is split into 4 subprojects: creation of OAA, permanent centre dedicated to Northern Adriatic Sea protection. Activities concerning biological oceanography. Chemical and ecological state evaluation of the Northern Adriatic coastal strip (within 2 nm). Georeferential mapping of “tegnùe” (rocky structures of the Northern Adriatic Sea floor) and studies on their main features	2003	2006	Arpav - Overall € 4.285.715,00	Leader	Marine Biology Lab, Trieste (Italy) Marine Biology Station, Piran (SLO)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
47	TEIAMM Transboundary Effects Industrial Accident Management Model (Law 84/01 - Italian Development Projects in the Balkans)	Development of a methodological model, prepared and tested on field, capable to prevent industrial accident, to handle emergencies and to lighten negative effects of possible accidents in the Danube middle and final course area	2003	2004	Overall € 240.000,00 Arpav € 23.316,96	Partner	FORMEZ (leader) (Italy) Ministry of Environment (Italy) ICARO s.r.l. (Italy)
48	POLAND TWINNING 2002 Monitoring drinking water quality Twinning Project PL02/IB/EN 02 (PHARE – CARDS Twinning)	Adaptation of the Poland existing control and surveillance systems to the EU standards of drinking water monitoring	2003	2004	Arpav € 154.676,00	Leader	ARPA Basilicata (Italy) ARPA Emilia Romagna (Italy) ARPA Piemonte (Italy) Azienda USLL N.4 Alto Vicentino (Italy) ISS (Istituto Superiore di Sanità – Italy) Ministry of Environment (Italy)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
49	Environmental Information and Education (Docup Objective 2 2000-2006 - FESR)	Not a single project but a set of 25 projects running in accordance with the following action patterns: Enhancement of the Environmental Education (EE) local lab network. Promotion and developing of Local Agenda 21 processes. Backing actions for EE activities. Training and refreshing courses. Monitoring of behaviours and EE activities. Actions targeted to raise the awareness of environment issues and educational campaigns	2002	2008	Arpav – Overall € 4.466.436,00	Leader	Regional government of Veneto (Italy) Local Authorities Public Authorities Schools Environmental Associations Private persons
50	ALPSLAKE – Alpine Lakes Network (INTERREG III B Alpine Space Programme)	The project consists in the creation of a network of local authorities in the alpine area involved on the one hand in the management of natural alpine lakes, and on the other hand in sustainable development and improvement of “lakeside environments”	2002	2007	Overall € 2.647.382,00. Arpav € 55.000,00	Subcontract or	Region Rhône-Alpes (leader) (France) Distretto Turistico dei Laghi S.C.R.L. (Italy) ARPA Piemonte (Italy) Regional government of Lombardia (Italy) IREALP (Italy) Regional government of Veneto (Italy) Province of Belluno (Italy) Province of Trento (Italy) Nationalni Institut za Biologijo (Slovenia) Provincial Government of Carinthia & Kärntner institut für Seenforschung (Austria) Rhône-Alpes Tourisme (France) GIP Le Grand Lac (Lac du Bourget) (France) Aix-les-Bains Tourism Office (France) SILA Syndicat Mixte du lac d’Annecy (France)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
51	SIMAGE Integrated system for environmental monitoring and management of emergencies in the Porto Marghera industrial area. (Regional funds)	The project aims to provide an integrated tool for managing both industrial emissions and possible odd events (such as industrial accidents) and thus protecting the fragile environment (i.e. the lagoon of Venice) and putting on alert the population living close to the area of Porto Marghera. The system is mainly addressed to face emergency situations.	2002	2006	Arpav € 4.098.741,00	Leader	Province of Venice (Italy) Regional government of Veneto (Italy) SIGES ENICHEM S.p.A. (Italy) Ca' Foscari Venice University (Italy)
52	ENVISNOW Development of generic earth observation based snow parameter retrieval algorithms (5th Frame Program)	ENVISAT data will be used to develop, validate and bring into operational use multi-sensor and multi-temporal snow parameter retrieval algorithms applicable both for regional and global mapping. The products shall fulfil the hydrology users requirements for operational products	2002	2005	Overall € 2.589.768,09 Arpav € 55.300,00	Partner	Norut Information Technologies (leader) (Norway) NR (Norwegian Computing Center) NVE (Norwegian Water Resources and Energy) TSS Nordic (Trombo Satellite Station) (Norway)HUT (Helsinki University of Technology) (Finland) IMG I (Insitut Fuer Metereologie und Geophysik - Austria) Verbund VER (Austria) IFAC (Institute for research on electro-magnetic waves - Istituto di Ricerche sulle onde elettromagnetiche CNR/IROE - Italy) FEI (The Finnish Environment Institute)

n.	Project Title (referring program)	Description	Project Life		Budget (Amount)	Role Held	Other Partners
			start	End			
53	Participation to the Guidance on Monitoring for the Water Framework Directive 2000/60/EC for the European Commission in collaboration with APAT	The purpose of this document, along with the other guidance documents published by the Commission, is to provide experts and stakeholders with guidance in the implementation of the Directive	2002	2002	Institutional contribution	Support as Technical member	APAT – Italian national agency for the environment protection and the technical services

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