

CESAM's Research Areas		
	Description	Target Economic Activities
Annex I - R&D		
Environmental Sciences and Technologies	Environmental Impact Assessment	All economic activities
	Management, Certification and Environmental Auditing Systems	All economic activities
	Strategic Environmental Assessment: development of sustainability indicators	All economic activities
	Socio-economic and environmental assessment of technologies and strategies for the sustainable development	Quarrying Manufacturing
	Efficiency analysis of processes for the treatment of sludge and effluents and monitoring of pollutant discharges	Quarrying Manufacturing Collection, purification and distribution of water; sanitation, management of wastes and clearing of pollution
	Assessment and Characterization of sludge as sub-products of industrial activity	To be used as e.g., fertilizer and as biomass to serve as fuel for thermoelectric production Quarrying Manufacturing Collection, purification and distribution of water; sanitation, management of wastes and clearing of pollution
	Modelling of carbon fluxes	Assessment of the potential of trees as carbon sinks; modeling of the industrial carbon emissions Forestry Quarrying Manufacturing
	Development of new analytical technologies	Including methodologies for the quantification of pollutants in environmental samples Quarrying Manufacturing Collection, purification and distribution of water; sanitation, management of wastes and clearing of pollution
	Climatic and Meteorological Modelling	Assessment of the impacts from climatic changes using numerical simulations of the climate Production of electricity Tourism
	Monitoring of air quality	Quarrying Manufacturing
	Sustainable tourism	Impact analysis and risk assessment; mitigation of negative impacts Construction Tourism
	Hunting and Fishing Planning and Management, Hunting and Fishing Tourism	Survey, assessment, conservation and management of wildlife, in the perspective of its sustainable exploitation and its use for tourism and hunting; planning and management of natural resources Hunting Fishing Tourism
Marine Sciences and Technologies	Oceanic modelling: hydrodynamic studies of oceanic currents	Fishing Water transport
	Study of community structure and populations dynamic	Assessment of fish stocks and optimization of aquaculture systems Fishing and Fish farming
Biotechnology	Plant Biotechnology	Improvement and production of new cultivars Forestry Manufacture of pulp, paper and paper products
	Microbial Biotechnology; genomic and proteomic technology	Manufacture of chemicals Manufacture of pharmaceuticals Human health activities
Energetic Systems and New Sources of Energy	New energetic solutions	Biomass: algae, crops and forest wastes; selection and improvement of species; optimization of production processes Manufacture (Energy)
		Geological resources: Gas hydrates Quarrying (Energy)
Risk Prevention and Reduction	Development of new instruments for toxicological and ecotoxicological assessment of chemical substances	Including medicinal chemicals, pharmaceuticals and nanomaterials Quarrying Manufacturing Collection, purification and distribution of water; sanitation, management of wastes and clearing of pollution
	Perception and communication of risk	Quarrying Manufacturing
	Assessment of Natural and Technological Risks	Quarrying Manufacturing
	Techniques for the recovery of soil after wildfire	Forestry
	Exposure Assessment for Air Pollution	Workers and population Quarrying Manufacturing Human health activities
	Assessment of pollutant emissions to the atmosphere	Quarrying Manufacturing