

Private research contract



AIR LIQUIDE / Regional council of Aquitaine

- * Subject: Thermo-Kinetic Characterization of CO₂-Impurity Pressure Systems (Nox, Ox ...) - Aqueous solution
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2016-2020

VALEO / CDAPP (Cornurbation committee of Pau Béarn Pyrenees) - EPATAI

- * Subject: Study of adsorption phenomena for the treatment of indoor air by a hybrid process (biofiltration, adsorption)
- * Managed at the LaTEP by: C. HORT
- * Period: 2016-2017

TOTAL

- * Subject: Thermo-chemical characterization of CO₂-impurity / brine / pressure rock systems: thermodynamic equilibria and chemical reactivity
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2014-2017

PREMIUMS

- * Subject: Kinetic study of methanol degradation in a capillary pumped loop
- * Managed at the LaTEP by: S. SOCHARD
- * Period: 2014-2017

Supergrid

- * Subject: Pre-design of a two-phase cooling system
- * Managed at the LaTEP by: V. PLATEL
- * Period: 2016

VALEO - HYPAIR

- * Subject: Prospective study of air treatment upstream of fuel cells
- * Managed at the LaTEP by: C. HORT
- * Period: 2015-2016

ETHERA

- * Subject: Development of passive samplers for measuring Volatile Organic Compounds in the air and in exhaust materials to improve diagnosis in indoor environments
- * Managed at the LaTEP by: P. MOCHO
- * Period: 2013-2016

AREVA

- * Object: Implementation of an experimental device for measuring sorption isotherms and characterization of the moisture recovered in the biocoal produced by the company at a temperature of 240°C.
- * Managed at the LaTEP by: S. LAURENT
- * Period: 2014

SILIMELT

- * Subject: Determine the degradation temperatures of the cutting oils found on the titanium particles supplied by Silimelt.
- * Managed at the LaTEP by: F. MARIAS
- * Period: 2014

TURBOMECA

- * Subject: Exploratory study on the integration of phase change materials (PCM) in electric motors
- * Managed at the LaTEP by: S. GIBOUT
- * Period: 2014

EDF

- * Subject: Sizing of an innovative cooling system for electronic components: the two-phase loop
- * LaTEP Manager: V. PLATEL
- * Period: 2014

ALSTOM

- * Subject: Implementation of Capillary Pump Loop (CPL) sizing software
- * Managed at the LaTEP by: V. PLATEL
- * Period: 2011-2014

NOBATEK

- * Subject: Volatile organic compounds emitted by building materials: impact on indoor air quality
- * Managed at the LaTEP by: P. MOCHO
- * Period: 2010-2014

JOURNEAUX

- * Subject: Additional research into the simplified energy modeling of a new solar power plant concept: taking into account the characteristics of the turbine, integration of by-pass solutions, the losses at the valves and segmentation
- * Managed at the LaTEP by: P. STOUFFS
- * Period: 2013

VEOLIA

- * Subject: Diagnosis of process water from the drying / incineration of urban and industrial sludge from the Lacq incinerator
- * Managed at the LaTEP by: C. HORT
- * Period: 2013

BUSI

- * Object: Thermohydraulic pumping system based on the Ericsson cycle / Additional research into the simplified energy modeling of a new solar power plant concept concerning compressor and system sizing
- * Managed at the LaTEP by: P. STOUFFS
- * Period: 2013

APESA

- * Subject: Shutting down, storing and securing the PREBIOM torrefaction pilot
- * Managed at the LaTEP by: F. MARIAS
- * Period: 2012-2013

ARAMCO

- * Subject: Development of a thermodynamic calculation code
- * Managed at the LaTEP by: P. CEZAC / JP SERIN
- * Period: 2011-2013

NOBATEK

- * Subject: Thesis on "Volatile organic compounds emitted by building materials: impact on indoor air quality"
- * Managed at the LaTEP by: P. MOCHO
- * Period: 2010-2013

TOTAL

- * Subject: Development of an experimental pilot to better understand the processes associated with the presence of O₂ in the context of CO₂ geological storage.
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2010-2013

TIGF

- * Subject: Exergo-economic study on TIGF installations (transportation and storage)
- * Managed at the LaTEP by: P. STOUFFS
- * Period: 2012

BRGM

- * Subject: Study of an electrolytic gas / solid mineral / salt solution system
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2010-2012

BALNEOLOGY INSTITUTE

- * Subject: Study of the sequence of salt precipitation from thermal water
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2010-2012

GDF SUEZ

- * Purpose: Developing software to calculate the solubility of sulfur in natural gas and obtain data
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2009-2012

TOTAL (ECS)

- * Subject: Modeling the thermal behavior of an electrically-heated pipeline
- * Managed at the LaTEP by: J. P. BEDECARRATS
- * Period: 2011

EUROPLASMA

- * Subject: Modeling and validation of a biomass and/or waste plasma-torch assisted gasification reactor
- * Managed at the LaTEP by: F. MARIAS
- * Period: 2008-2011

EUROPLASMA

- * Subject: Modeling a non-recyclable waste gasification reactor
- * Managed at the LaTEP by: F. MARIAS
- * Period: 2008-2011

PREBIOM

- * Subject: Thermochemical conversion of lignocellulosic biomass to produce second generation biofuels
- * Managed at the LaTEP by: F. MARIAS

- * Period: 2008-2011

TIGF

- * Object: Study and evolution of the operational parameter of temperature upstream and downstream of the flash drum
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2007-2010

BALNEOLOGY INSTITUTE

- * Object: Choice of a thermodynamic model to describe the geothermal waters of the Salies thermal baths.
- * Managed at the LaTEP by: P. CEZAC
- * Period: 2008-2009