



## CONTACTS

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<b>Contact</b>	Cristina Marchiori, Sales Manager
<b>Directors</b>	Giacomo Ravetta, Managing Director
<b>Ownership</b>	Private company
	Affiliated with FINAGRO SPA
<b>Locations</b>	Novate Milanese (MI), Italy
<b>Founded</b>	1992

## OVERVIEW

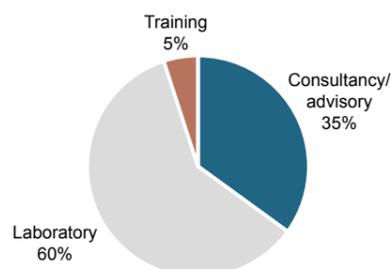
ChemService Srl Controlli e Ricerche is a contract research organisation (CRO) providing GLP testing and regulatory services for the plant protection, biocidal, veterinary, industrial chemical and consumer product industries. Our mission is to increase our customer's competitiveness and long-term profitability with high quality and reliable testing and regulatory services. A long lasting experience in the fields of analytical chemistry, physico-chemistry and ecotoxicology, coupled with a deep knowledge of current regulatory framework and a strong attention to long-term trends makes ChemService Srl Controlli e Ricerche the right partner in regulatory environment. ChemService Srl Controlli e Ricerche collaborates with EU authorities, being selected by Efsa for the assistance to the Efsa scientific units on toxicology and ecotoxicology and by EU in 2008 (EuropeAid/123060/D/SUP/RO) for building an ecotoxicological laboratory in Romania.

## VITAL STATISTICS

2011/12

Turnover, group	€5m
Turnover, chemical service provision	€5m
No of offices	2
No of countries represented	2
Staff, group	50
Staff, chemical service provision	45

## SERVICE AREA BREAKDOWN



## GLOBAL OFFICES

ChemService Srl Controlli e Ricerche – Via Fratelli Beltrami 15  
20026 Novate Milanese (MI), Italy  
ChemService agent in China: Ms Ina Cui IGW First Chemical Co Ltd –  
Suite 352, 3rd Floor, OG Plaza, Building C, No 327 Tian Yao Qiao Road,  
Xuhui District, Shanghai, 200030, PR China.

## SERVICES PROVIDED

### Ecotoxicology and biodegradability testing. Analytical methods development and validation, physico-chemistry testing

Short and long term ecotoxicological tests on aquatic (alga, daphnia, fish, activated sludge) and terrestrial organisms (earthworms). Tests on soil microorganisms (OECD 216, 217), aquatic plants (OECD 221 on lemna sp). Biodegradability testing (OECD 301). Tests on terrestrial plants (OECD 208, 227), non-target arthropods and higher-tier tests on fish (FELS, FET). Development and validation of analytical methods for active substances and impurities, 5-batch analysis, physico-chemical testing, spectral analysis (UV, VIS, IR, MS, NMR).

### REACH and CLP

Analytical, physico-chemical, ecotoxicological testing and consultancy services for CLP and REACH with data gap analysis, review of existing data and ad hoc testing strategies. Preparation of registration dossiers (lead/joint submissions), CSA/CSR (Chesar), human and environmental exposure scenarios and risk assessment, eSDS. Use of alternative strategies *in vitro*, *in silico* (OECD Toolbox, CAESAR, ToxTree, Lazar, EPI Suite, etc) and read across/category approach. IUCLID 5 file preparation and submission to ECHA. Contacts with ECHA during pre/post (follow-up) dossiers submission.

### Plant protection products (PPPs) and biocides

Testing and preparation of dossiers for authorisation of active substances and for registration of formulated products (dRR format). Five-batch analysis in accordance with EU, US, Latin America (Brazil, Argentina) requirements and technical equivalence dossiers of active substances. Data gap analysis and testing strategies. Human (operator, worker, bystander, consumer) and environmental risk assessment, e-fate modelling (eg FOCUS model for PPP). Scientific monitoring of efficacy trials and preparation of biological assessment dossiers-BAD-for PPP. Scientific monitoring of sub-contracted studies (toxicological studies), consultancy for non-standard studies (operator exposure, dislodgeable residues, radio-labelled material). Use of IUCLID (for PPP), CADDY (for biocides). Dossier submission and follow-up with authorities.

## CORPORATE DEVELOPMENTS & ACHIEVEMENTS

<b>1992</b>	ChemService Srl incorporated as international contract research organisation in Milan, Italy.
<b>1992</b>	Achievement of ISO/IEC 17025 accreditation
<b>1995</b>	Achievement of OECD GLP compliance
<b>2003</b>	Beginning of regulatory services (dossier department)
<b>2004</b>	Erecting of new laboratories (1400 m <sup>2</sup> ) and start-up of GLP ecotoxicological testing facility
<b>2008</b>	Start of collaboration with Efsa and EU authorities
<b>2011</b>	Implementation of tests on aquatic plants (lemna) and soil microorganisms.
<b>2012</b>	Implementation of higher tier tests on fish (fish life cycle test), tests on non-target terrestrial plants and non-target arthropods.

## ACCREDITATIONS

Good Laboratory Practice (GLP) and ISO/IEC 17025:2005

## PARTNERS

IGW First Chemical Co Ltd, Shanghai – PRC acts as agent of ChemService Srl Controlli e Ricerche in China's territories. The specific target of the venture is to handle the increasing demand of GLP testing services from Chinese customers willing to enter EU, Brazil, Argentina and US markets and to advise Chinese companies on global registration requirements.

## CLIENTS

Our clients are involved in the market sectors of: agrochemicals, biocides, chemicals, veterinary products, food, medical device and antimicrobial chemicals

## TESTIMONIALS

"ChemService Srl Controlli e Ricerche has provided high quality regulatory and testing services to our company for over ten years, having prepared more than ten registration dossiers and having conducted more than 200 physico-chemical and ecotoxicological GLP tests on our agrochemical products" – Makhtheshim Agan Italia Srl

### CASE STUDY 1: Inclusion of sulphur in Annex I (91/414/EEC)

ChemService successfully stewarded a fourth list substance, sulphur, onto Annex I inclusion in 2010 after several years of work. Sulphur is a widespread substance that has been used in agriculture for a long time; nevertheless, the high volume used in the field and the difficulty in distinguishing the natural background level in the environment, gave rise to the request for non-standard studies, such as field operator exposure study and tests on sediment – dwelling organisms with radiolabelled material. Sulphur is a product broadly used in Europe; as a consequence, several different companies were interested in supporting it in the EU review process. Therefore, ChemService put together a taskforce of 12 companies from all over the world, which was headed by an Italian company and managed from ChemService across the revision process. The technical and management experience of ChemService in coordinating different facilities and the need of the task force members for a common goal was crucial to the success of the project.

### CASE STUDY 2: Successful chemical equivalence dossier for an Annex I listed agrochemical

Finchimica, a SME manufacturer of agrochemicals, decided in mid 2010 to submit to the UK chemicals regulation directorate (CRD) a chemical equivalence dossier for Pendimethalin technical, a selective herbicide included in Annex I of Directive 91/414/EEC whose data protection period was just expired. Timing was crucial in order to be the first of the newcomers and gain immediate market shares. In a three months timeframe, ChemService performed a preliminary screening of the different qualities of Pendimethalin manufactured by Finchimica, identified the level of quality needed in order to match the technical product registered, performed a five-batch analysis on Pendimethalin of said quality and submitted the relevant chemical equivalence dossier to CRD using the fast track option. Non testing data (QSAR and *in vitro*) were included in the dossier in order to support the toxicological equivalence of Finchimica's towards registered source. The dossier was accepted by CRD in December 2010 and Finchimica became the first approved source of Technical Pendimethalin in Europe after the originator.

### CASE STUDY 3: Assistance to the Efsa scientific units on toxicology and ecotoxicology

Since May 2009 ChemService Srl Controlli e Ricerche has been part of a panel of experts selected by Efsa for assisting its scientific units on toxicology and ecotoxicology (Multiple Framework Service Contract CT/EFSA/AMU/2009/07, budget available €1m) and has been awarded two specific contracts for the data entry of pesticide ecotoxicology endpoints in a IUCLID 5 database. In October 2012 ChemService Srl Controlli e Ricerche was awarded a specific contract for the collection of scientific information within the public domain on the toxicity of chromium and nickel in experimental animals and humans (NP.EFSA.CONTAM.2012.01, budget €60,000).

## STAFF SELECTION

### Giacomo Ravetta – Managing Director

Masters degree in industrial chemistry, 20+ years' experience in project management in the EU and abroad (China, India, USA), as head of R&D teams for the development of agrochemicals products. He developed a broad network in the global community of chemicals production and legislation and he has a strong focus on customers' business. Since 2009 he has been managing director of ChemService Srl Controlli e Ricerche where he has brought his sound management and business oriented background.

### Dr Valeria Croce – Head of Regulatory Services

Masters degree in biology and PhD in environmental sciences, ten years' experience in regulatory field, ecotoxicology and environmental risk assessment. Head of the Dossier department she coordinates a team of six regulatory experts plus a senior scientific consultant, with expertise ranging from chemistry, agronomy, biology (toxicology/ecotoxicology), e-fate modelling, environmental sciences. Since 2008 she has been involved, as an ecotoxicology and regulatory expert, in EU and EFSA projects.

### Chiara Neri – Head of Ecotoxicological Testing Unit

Masters degree in biology, specialised in ecotoxicology and holder of a European scholarship from 2004 to 2006 for a project on endocrine disruption. In 2006 she joined ChemService Srl as study director for aquatic and terrestrial ecotoxicological studies. Currently head of Ecotoxicological Testing unit she coordinates a team of five ecotox experts, supported by a senior scientific consultant. Since 2008 she has been involved, as an ecotoxicology expert, in EU and Efsa projects.

### Stefano Garofani – Head of Analytical Studies Unit

Masters degree in chemistry, 20+ years' experience in development and validation of analytical methods, GLP physico-chemical studies, residue and five batch analysis. His highly skilled group of chemists conducted more than 3,000 GLP analytical studies from 2005-2011 (600+ in 2012).

### Dr Carlotta Casalegno – Head of Regulatory and Development

Masters degree in biology and PhD in naturalistic and environmental sciences, from 2000 to 2005 she was involved in basic environmental research and EU projects management. In 2006 she joined ChemService Srl as regulatory toxicologist and human risk assessor for PPPs, biocides and REACH. In 2010 she worked for an international ONG (ECEAE-BUAV) commenting on testing proposals for REACH Annex IX and X substances and was appointed as ONG representative to support the use of alternatives during ECHA committee (RAC, MSC) meetings in Helsinki. She came back to ChemService in 2011 as head of Regulatory and Development. Since 2009 she has been involved, as a toxicology and regulatory expert, in Efsa projects.