

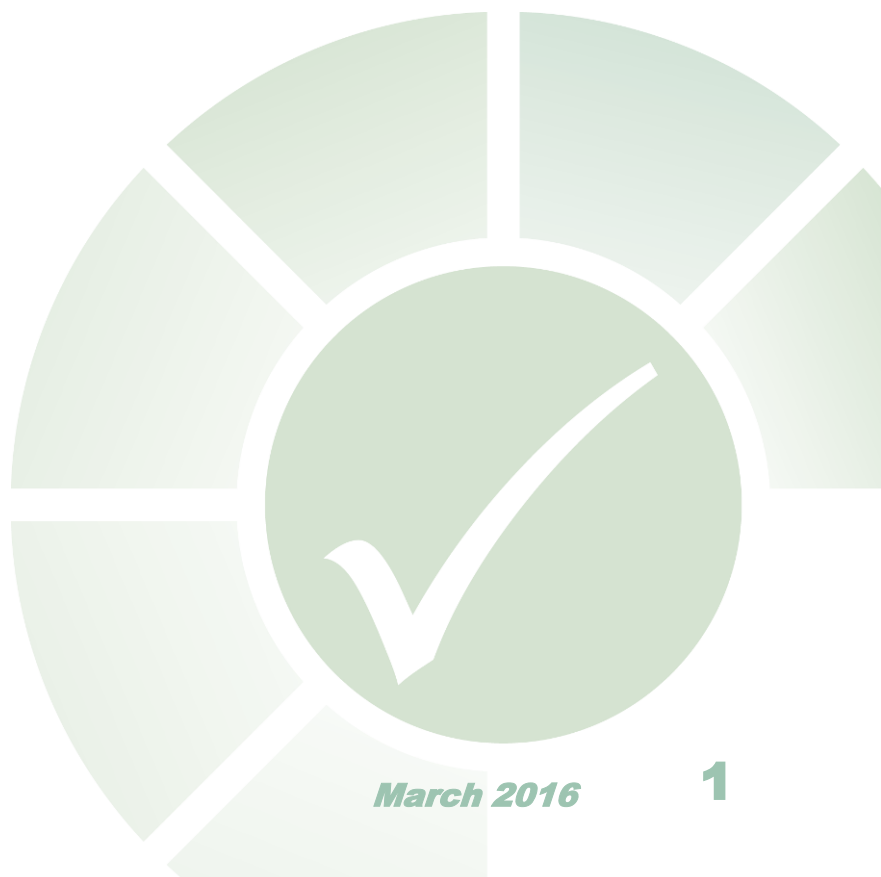


Environmental Services & Support

Company Profile



March 2016





Introducing ESS

Environmental Services & Support (ESS) is a registered consultancy firm, established in Suriname in 2005¹. For public and private sector clients, we (ESS) implement multidisciplinary projects that require ‘green’ as well as ‘grey’ environmental expertise. We combine expertise that is available in Suriname and globally, and we put it to work.

We implement studies and help develop policies, plans and projects in relation to the use and conservation of biological resources, including forestry and ecotourism. We assess and monitor the social and environmental impacts of agriculture, mining, infrastructure and other projects. We also advise on the valuation of environmental resources and certification of their sustainable use.

In addition, we design and implement customized training modules and short courses. We also assist organizations in designing and managing projects, fundraising and recruiting staff.



Mission and Approach

Based on our expertise in relation to forests, nature and environment, we (ESS) provide clients in timely manner with useful research results and advice. We support them to be successful in achieving their goals, within the context of responsible development in natural and man-made environments. We are very much committed to providing services and support that meet or exceed international professional standards.

ESS works by using its network to mobilize the local and international experts required for the job. Whenever possible, ESS involves local students in the implementation of its projects, giving them the chance to acquire knowledge and skills.

At present, the geographical focus of ESS is Suriname and the Guianas in general.

¹ Registered as “Environmental Services and Support N.V.” at the Suriname Chamber of Commerce and Industry (KKF); registration no. 42861



Scope

Currently, the main scope of activities of ESS is:

SUSTAINABLE RESOURCE MANAGEMENT AND CERTIFICATION

In forest management and timber harvesting, as well as in agricultural production, wise use and sustainability have become of critical importance. Certification is the means to achieve sustainability and to communicate sustainable land and production management with the market and the public. ESS helps companies with feasibility studies and management plans, and with sustainable forest and farm management and obtaining 'green' certification.

BASELINE, ENVIRONMENTAL IMPACT AND MONITORING STUDIES

Development projects require that the baseline situation before the project starts is assessed, and that impact on the natural and social environment is predicted and monitored. Environmental and social costs versus benefits must be known. Knowledge is needed on measures to reduce adverse impacts and enhance beneficial ones. ESS implements baseline and impact assessment studies in relation to e.g. mining, energy, agriculture, forestry, and transport development projects.

VALUATION OF INTANGIBLE RESOURCES

Natural areas are often defined by intangibles with uncertain market value, such as clean water, fresh air, carbon sequestration and diversity of life. ESS advises on how to conserve such intangibles and transforms them into tangible revenues, such as by means of Payment for Ecosystem Services (PES) and tourism (e.g. ecotourism), with due consideration of cultural sensitivities.

TRAINING AND EXTENSION

Performance and results depend on well trained people, equipped to their task. Training and extension help to stay informed concerning developments in various fields. ESS offers help with tailor-made design and the organizing of training and extension meetings.

PLAN, POLICY AND PROJECT DEVELOPMENT

Suggestions and ideas, even global initiatives, need to be translated in realistic policies and well documented plans at a manageable scale. This is true for businesses as well as governments. ESS offers its support for policy, plan and project development.

PROJECT MANAGEMENT, FUNDRAISING, AND RECRUITMENT

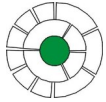
ESS can assume the responsibility of project manager on behalf of its clients. It also offers support to identify and approach funds and donors, and to recruit experienced staff and trainees.





Organization

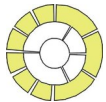
ESS is organized as a core with two surrounding layers:



CORE – the office management is the responsibility of Ms. Christine Kromopawiro, Mr. Bart De Dyn is the General Director.



INNER LAYER – associates of ESS which do all commercial work in the Guianas via ESS; these currently are: Mr. Sietze van Dijk, Mr. Bart De Dyn, Ms. Chantal Landburg, Mr. Bé Buizer, and Mr. Earvin Boerenveen.



OUTER LAYER – local and international consultants, either companies or individual experts, who are contracted for specific jobs, based on the client's requirements.

Over the years, ESS has established partnerships with national and international experts and companies to tackle more complex jobs in Suriname and the region.





Expertise

We can offer the expertise of companies and experts associated with ESS (cf. Inner Layer), and more (cf. Outer Layer).



INNER LAYER – ASSOCIATES

These experts work exclusively via ESS in the Guianas:

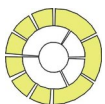
SIETZE VAN DIJK, Master of Science (MSc) in Tropical Forest Ecology from the University of Wageningen (NL), specialized in sustainable forest management and certification, and related capacity building and institutional support, with 35+ years of experience worldwide (of which 20+ years in Suriname);

BART DE DIJN, Licentiaat (MSc equivalent) in Biology from the University of Gent in Belgium, with 25+ years of experience in nature conservation and ecological baseline and impact assessment, mainly in Suriname;

CHANTAL LANDBURG, Master of Science (MSc) in sustainable management of natural resources from the Anton de Kom University of Suriname, with 8 years of experience in project management, soil, water and ecological (field) studies in Suriname;

BÉ BUIZER, Technical engineer (BSc) with 45+ years of experience in managing and solving environmental issues.; he has done research on soil, water and air pollution, is an expert in remediation of soil and subsoil, in water treatment- and purification installations, and in cleaning systems for polluted ambient air; and

EARVIN BOERENVEEN, has 10+ years of experience in setting up IT management systems and 7+ years with management of forestry operations. IT management systems can be applied to many different sectors, including environmental management systems.



OUTER LAYER – ADDITIONAL COMPANIES AND EXPERTS

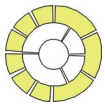
These are descriptions of additional companies / experts that ESS can easily mobilize:

FORESTRY SPECIALIST, Doctor in Plant Ecology from the University of Utrecht in The Netherlands, with 20+ years of experience in tropical forest policy, management, inventorying, training and certification, including in Guyana and Suriname;

TOURISM SPECIALIST, Master in Leisure, Tourism and Environment from the Wageningen University in The Netherlands, chairman of a foundation for conservation and sustainable tourism, with 30+ years of experience in nature tourism and capacity building in Suriname;

BOTANIST, Doctor in Botany from the Museum National d'Histoire Naturelle in Paris, France, with 15+ years of worldwide experience, including in French Guiana and Suriname, in assessment and conservation of flora, vegetation and biodiversity in general;

ORNITHOLOGIST, Doctor in Biology from the Louisiana State University in the USA, specialized in neotropical birds, with 10+ years of experience in faunal surveys, and impact assessment studies in the Americas, including Suriname and Guyana;



OUTER LAYER

(CONTINUED)

MAMMAL SPECIALIST, Doctor in Biology from the University of Toronto in Canada, specialized in small mammals, with 25+ years of worldwide experience in faunal surveys, impact assessment studies and field training, including in the Guianas;

HERPETOLOGIST, Doctor in Biology from the University of Leiden in The Netherlands; specialized in reptiles and amphibians of the Guianas, with 30+ years of experience in surveys, impact assessment studies and field training, mostly in the Guianas;

FISH SPECIALIST, Doctor in Biology from the University of Suriname, specialized in the ecology of the fishes of the Guiana, with 25+ years of experience in surveys and impact assessment studies in the Guianas;

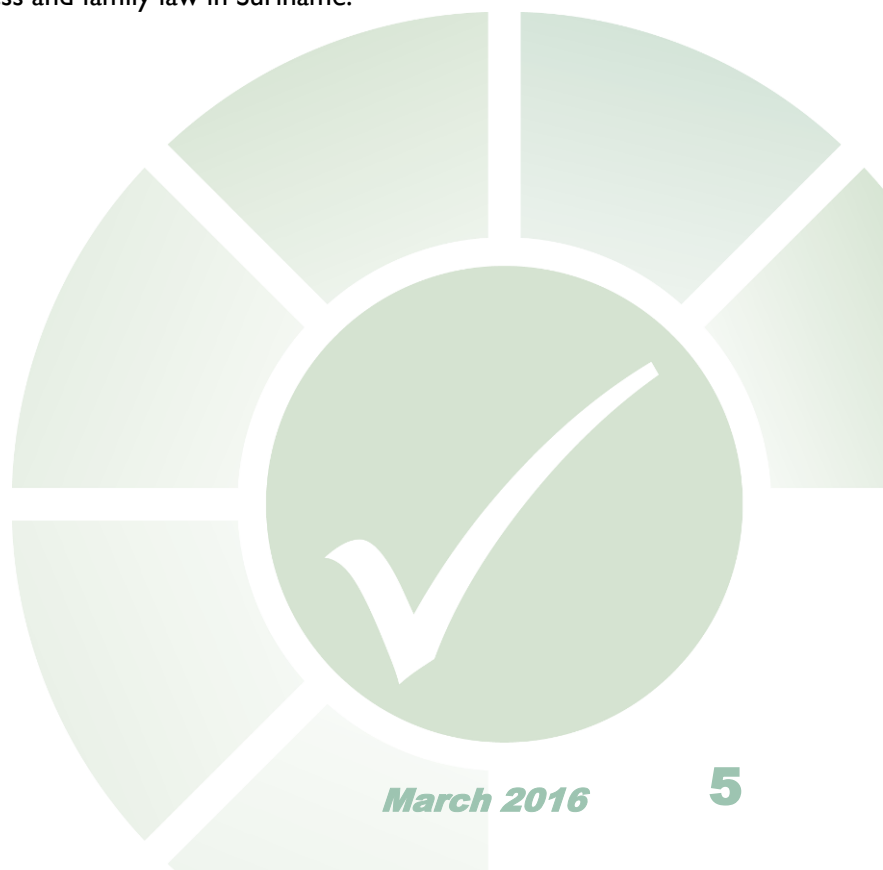
COMMUNICATION SPECIALIST, Doctor in Social Sciences and Comparative Education from the University of California in LA (USA), director of an NGO focusing on sustainable development in Suriname, with 25+ years of experience in studies, planning, project execution and communication related to environment & development issues;

SOCIAL STUDIES FIRM, Suriname based consultancy firm headed by two anthropologists. The firm conducts quantitative and qualitative social science research, primarily in the areas of rural development, public health, mining, and education;

AGRICULTURE & GIS SPECIALIST, Bachelor in Land and Water management from the University of Suriname, also specialized in GIS implementation, with 20+ years of professional experience in agricultural studies and GIS-mapping, e.g. in relation to mining projects; and

LAW FIRM, established in Suriname in 1988; 20 employees, including:

ATTORNEY AT LAW, graduate from the University of Suriname, admitted to the Court of Justice in Suriname in 1978, with experience in intellectual property law, environmental law, as well as real-estate, business and family law in Suriname.



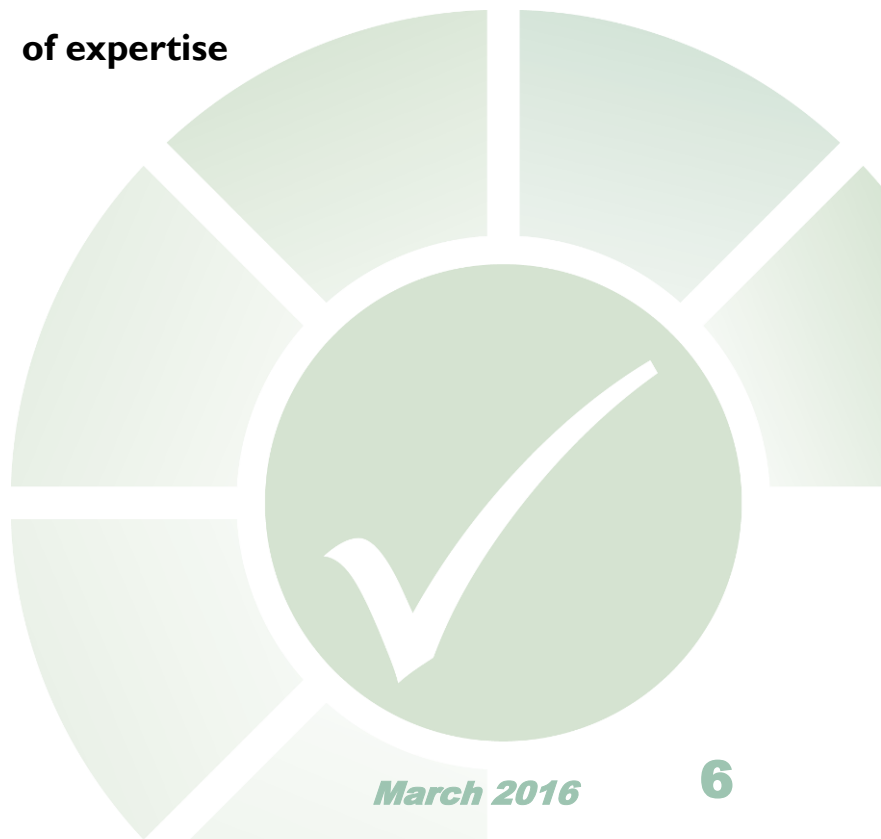


**We can
mobilize**



**if the job
requires it.**

**an even wider range
of expertise**





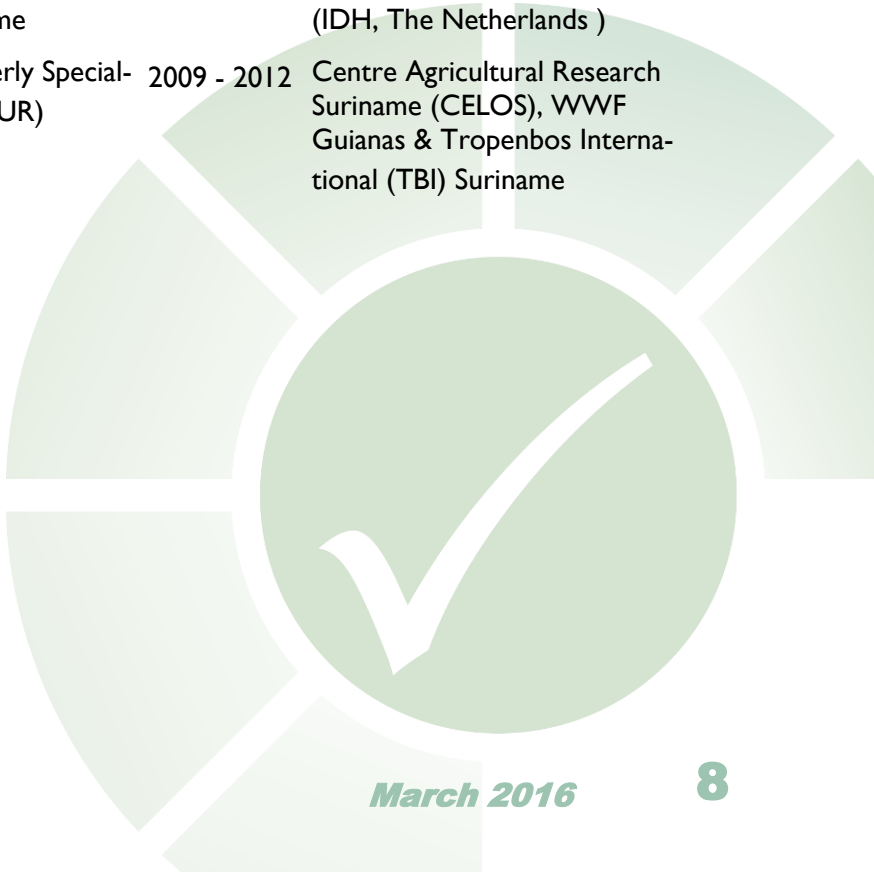
Our track record

ESS has been assigned the jobs listed below, either as lead or as subcontractor within the framework of a larger commission. What is listed below is a selection of the jobs we (ESS) have implemented over the last 10+ years; the complete list can be found on our website.

ASSIGNMENT	PERIOD	CLIENT
Sustainable Resource Management and Certification		
• Support FSC Controlled Wood certification of forest operations & processing facilities	2014 - 2015	Trolico Holding NV (Suriname)
• Evaluation of feasibility of two Oil Palm Plantation projects in Eastern Suriname	2010	The Royal Tropical Institute (KIT; The Netherlands)
• Development of business, management and operational plans for concessionaires	2005 - 2010	Eversur Tropical Timber Ltd. (Suriname)
• Assessment of Legality of Timber Harvesting	2006 - 2007	PHS (Loggers' Platform in Suriname)
Baseline, Environmental Impact, and Monitoring Studies		
• Determination of Target Values for Revegetation related to closure of bauxite mines in Suriname	2013 - 2015	SRK (USA) for Suralco (subsidiary of ALCOA)
• Terrestrial Ecological Baseline Study in relation to Wageningen Sugarcane project (Suriname)	2011 - 2013	ERM (USA) for Staatsolie Maatschappij Suriname
• Terrestrial Ecology Baseline Study in relation to Merian Gold Mine project (Suriname)	2011 - 2012	ERM (USA) for Surgold (subsidiary of Newmont)
• Terrestrial Ecology Baseline Study in relation to Nassau Bauxite Mine project (Suriname)	2010 - 2012	ERM (USA) for Suralco (subsidiary of ALCOA)
Training and Extension		
• Surgold training and document review for environmental sampling in Suriname	2015-2016	Surgold LLC (subsidiary of Newmont)
• Transfer of knowledge and development of expertise of junior employees in the forest and nature sector	2005 – 2011	PHS (Loggers' Platform in Suriname)



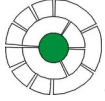
ASSIGNMENT	PERIOD	CLIENT
Plan, Policy and Project Development		
• Demonstration and research into the CO ₂ neutral conversion of industrial wood waste into high quality charcoal	2015 - 2016	Rijksdienst Ondernemend Nederland & Charbon Engineering (The Netherlands)
• Value Chain Analysis for the wood-based furniture making industry in Suriname	2015	Center for Promotion of Import from Developing Countries (CBI, The Netherlands)
• Development of the National Biodiversity Action Plan 2012-2016	2007 - 2012	Government of Suriname (NIMOS & Ministry of ATM)
• Analysis of Institutional Framework Environmental and Natural Resource Management in Suriname in relation to CSME (CARICOM)	2010 - 2012	Carib Invest (Barbados) for CARICOM Secretariat
• Analysis of cross-cutting issues and formulation of action plan in relation to National Capacity Self-Assessment of Suriname	2008 - 2009	Government of Suriname (Ministry of ATM)
Project Management, Fundraising and Recruitment		
• Country representative in Suriname for promotion of twin-retort kiln technology to produce charcoal from industrial wood waste	2015 – ongoing	Charbon Engineering (The Netherlands)
• Country representative in Suriname for the (FSC) sustainable timber programme	2014 - 2015	Sustainable Trade Initiative (IDH, The Netherlands)
• Management and editing of Quarterly Specialist Journal (Vakblad BOS & NATUUR)	2009 - 2012	Centre Agricultural Research Suriname (CELOS), WWF Guianas & Tropenbos International (TBI) Suriname





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