



ARTEMIS

Information Management



Our story

Founded in 1991 and based in Luxembourg's city centre, **Artemis** has emerged as a leading authority in information management, statistical and economic analysis, with a special focus on official statistics. Furthermore, Artemis plays a vital role in monitoring and evaluating development projects and programmes, while significantly contributing to capacity building.

Artemis, as a committed provider of technical assistance, serves a diverse array of international, European and national organisations. The company has expanded its operations and established robust partnerships with **European Union** institutions, their **Member States** and **enlargement** countries. Additionally, Artemis has extended its reach to the **EU's neighbouring Eastern and Southern regions**, as well as **ACP** countries, **CARICOM** members, **ASEAN** member states, and countries throughout Africa and Latin America.

Over the **past ten years**, Artemis has successfully executed approximately **30 projects per year** in the fields of data science, monitoring, evaluation and capacity building on a global scale. Over 80% of our activities are led by our in-house team, with the flexibility to draw upon our extensive global network of skilled experts and partners, including those from prominent European universities and other reputable companies around the world.

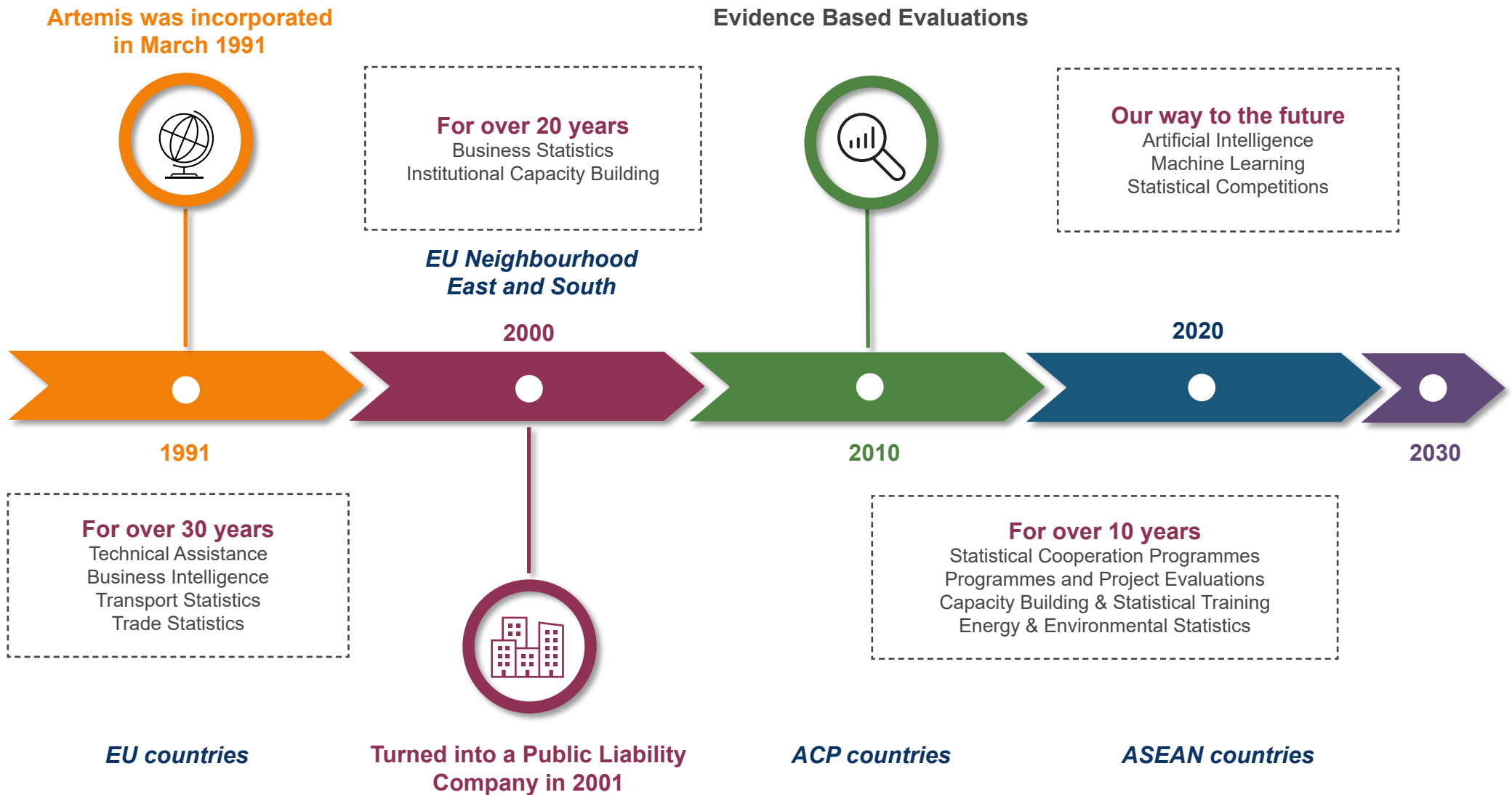


Artemis has excelled in providing support to a range of organisations, including the European Commission, NSIs*, development agencies and NGOs, spanning multiple sectors:

- Transport Energy
- Trade
- Environmental and Climate Change
- Health
- Youth and Child Protection Gender
- Social Inclusion
- Digital
- Sustainable Development Goals

*NSIs: National Statistical Institutes

Company timeline



Who we are

Since 1991, we have provided our clients with well-founded advice and innovative solutions to meet their information needs, now and for the future.

Our **multi-discipline, multilingual team of data scientists, statisticians, economists, evaluators, trainers and computer experts** provide end-to-end solutions to streamline, manage and optimise your information systems.

Our dynamic team excels at every stage of the data life cycle, from collection and compilation to processing, modelling, analysis, and the effective dissemination of both quantitative and qualitative information.

We assist clients in **maximising the efficiency and impact of their projects and programmes**, while also empowering organisations to bolster their capacity through cutting-edge training solutions. Our commitment to developing reliable and sustainable solutions cements our status as a trusted partner in achieving success.

Artemis is member of several prestigious organisations, including the Société Luxembourgeoise de Statistique (SSL) and the Société Luxembourgeoise d'Évaluation et de la Prospective (SOLEP).

Services we can offer



Statistical Capacity Building Support

Support for projects and programmes aiming at strengthening the national statistical systems and institutes of developing countries. This includes the institutional environment, improving statistical processes, and refining statistical outputs.



Business intelligence and Data Management

Definition and organisation of data collections, data transformation and cleaning, creation of robust data models, and data integration (e.g. ETL). Protection of sensitive data, implementation and application of data validation rules.



Statistical Analysis and Dissemination

Statistical and economic analysis, establish key indicators, develop estimation and predictions models. Preparation of detailed reports on findings, data visualisation through numerous types of publications, including articles, factsheets, working papers, online databases and more.



Monitoring and Evaluation

External and independent evaluations of aid development projects and programmes implemented by governments or civil society organisations. Design of M&E systems and related indicators.

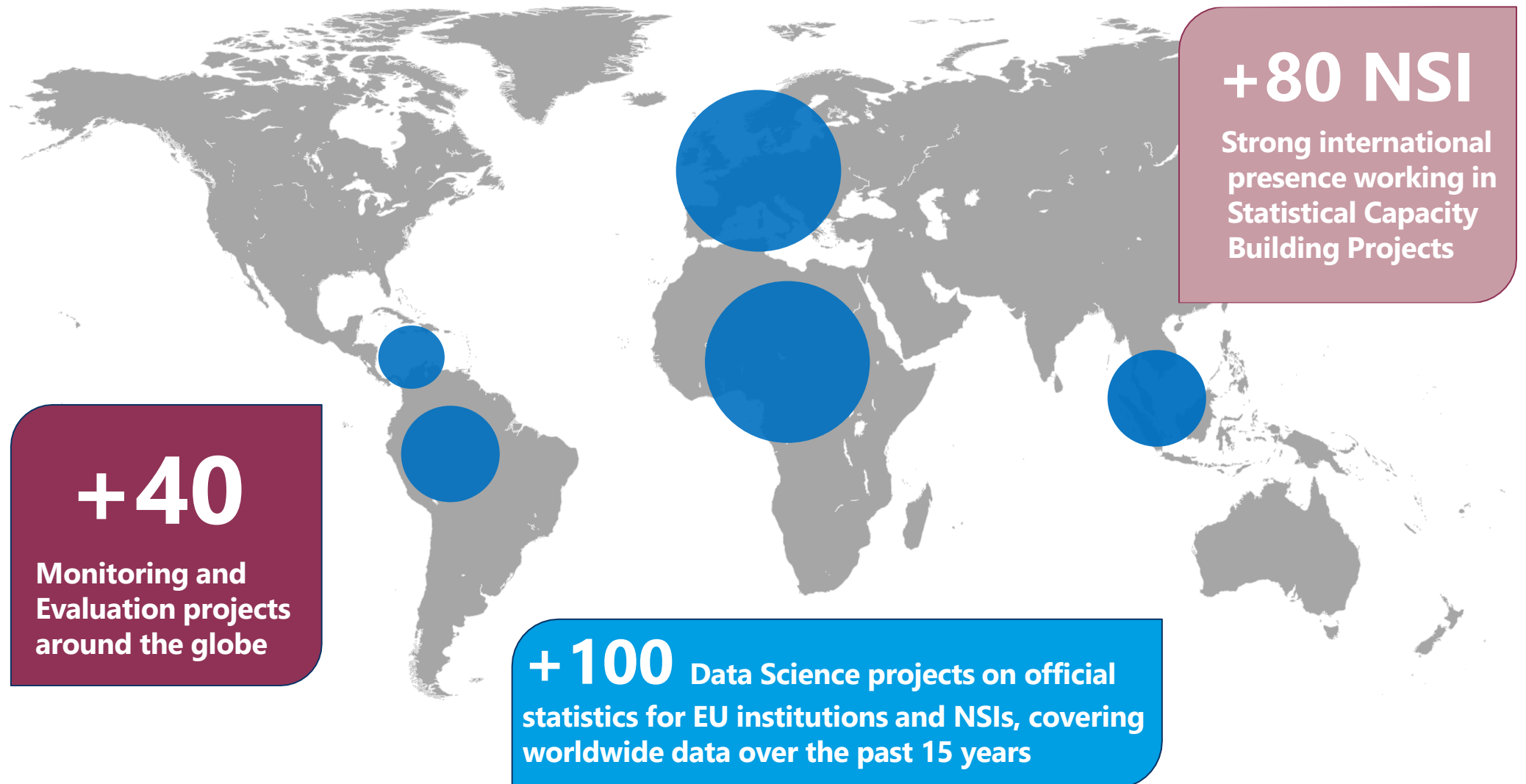
Our recent clients

We hold our valued clients in the highest regard, cherishing and nurturing our relationships with them.



Our world outreach

Artemis boasts a widespread global presence, engaging in numerous statistical and economic analysis projects and evaluations on an international scale.



Monitoring and Evaluation department

Evaluations are a crucial foundation for evidence-based insights, enabling a well-informed understanding of progress. When carefully crafted with the intended users in mind, evaluations illuminate the effectiveness of various approaches, pinpointing what succeeds and what falls short.

Moreover, evaluations gauge progress against plans, reveal unexpected outcomes, assess programme effectiveness, recommend improvements, guide resource allocation, and advise on the discontinuation of ineffective interventions.

Artemis' evaluators and M&E experts deliver high-quality services worldwide, fostering more effective, transparent, and accountable development cooperation. Our demand-driven, rigorous evaluations and robust monitoring systems underpin adaptive management and learning, leading to more evidence-based critical decisions.

We offer the following services:

- Customised methodological approaches, whether qualitative or quantitative, tailored to meet the specific requirements of each assignment.
- Delivering outputs that prioritise utility and utilisation, ensuring that our Monitoring, Evaluation, Accountability, and Learning (MEAL) results actively shape decision-making and program management.
- Support in the Outcome Harvesting process, assisting in the systematic collection of evidence on outcomes and impacts.
- Crafting a comprehensive and personalised Theory of Change (ToC) to align with your programme or project objectives.



Capacity Development department

Statistical capacity development is at the core of everything we do at Artemis, extending far beyond simply enhancing individual knowledge and skills. This intricate field is deeply intertwined with organisational and societal cultures, requiring a holistic approach that surpasses merely imparting knowledge or improving skills. It involves comprehensive engagement 'change' and 'change management'.

Technical assistance and training are essential instruments for facilitating transformation at individual, organisational, and institutional scales. The Artemis method offers the flexibility to combine both in-person and online learning formats.

We offer the following services:

- Designing result-based and adaptive approaches to change management and capacity development.
- Tailoring pedagogic approaches based on transformative and participative adult learning.
- Integrating technical and vocational training for individuals, coupled with longer-term capacity strengthening of organisations and agencies.



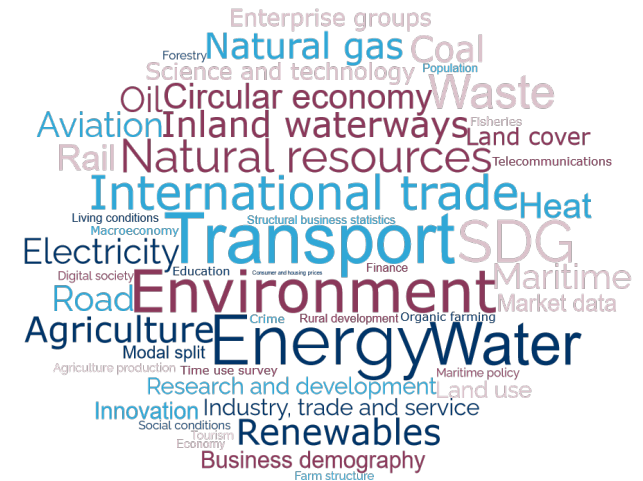
Data Science department

Data Science is a rapidly changing field, characterised by continuously advancing methodologies and technological breakthroughs. Our team at Artemis remains at the cutting edge of these changes, adapting adeptly to evolving business needs. Our expertise spans the entire data life cycle, from data collection to data dissemination, including data management utilising statistical tools and processes, building estimation and prediction models, and creating key indicators.

At Artemis, our commitment is to be recognised as a trusted authority in data analytics. With our extensive experience and team of skilled experts, we provide services tailored to your needs. Whether you are part of a public organisation, a non-profit entity, or a private company, Artemis is dedicated to delivering the most effective solutions for your data-related challenges.

We offer the following services:

- Designing information systems, including programming and data management, while maintaining rigorous data validation, and cleaning processes.
- Offering statistical and econometric services, from nowcasting to long-term projections, estimations, survey design, and applying diverse modelling techniques.
- Drafting comprehensive reports and publications, enhanced with visual elements such as infographics, video graphics, and dashboards, to effectively communicate valuable insights derived from data analysis.



Our references: Monitoring and Evaluation



eurostat 

Peer reviews in EU Members States and EFTA countries

Artemis was selected to assess the European Statistical System (ESS) for its compliance to the European Statistics Code of Practice (CoP). This evaluation aimed to assure both the ESS itself and external stakeholders that the ESS adheres with the principles set out in the CoP.

Artemis provided substantial support for the implementation of Project Reports (PRs) by leveraging top-notch expertise. This support encompassed a range of activities, including organising on-site visits, conducting thorough linguistic and content reviews of all reports, hosting workshops and training sessions, and meticulously tracking progress and providing comprehensive reporting throughout the process.

Location: EU Members States and EFTA countries
Duration: May 2020 to May 2023
Number of staff provided: 1 285 Work Days (W/D)



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère des Affaires étrangères
et européennes

Mid-term review of the indicative Cooperation Programme between Senegal and Luxembourg

Artemis was selected to conduct the mid-term review (MTR) of the Indicative Cooperation Programme (ICP) IV 2018-2022 between Senegal and Luxembourg. The evaluation's objective was to assess Luxembourg's contribution to the implementation of Senegal's development strategies and to contribute to the planning of the next cooperation programme between the two countries.

The MTR therefore covered both retrospective and forward-looking dimensions, aiming to facilitate political dialogue between the two partner governments. This interim assessment of their cooperation was designed to yield useful insights and conclusions on both dimensions.

Location: Senegal
Duration: December 2021 to July 2022
Number of staff provided: 129 Work Days (W/D)

Our references: Monitoring and Evaluation



Meta-evaluation of the technical assistance evaluation mechanisms of the Initiative

L'Initiative is a French policy-driven mechanism aimed at mobilising energies around the objectives and activities funded by the Global Fund. France's ambition is to mobilise the skills and resources necessary to combat diseases and strengthen healthcare systems for populations affected by HIV, tuberculosis, and malaria epidemics. Since its inception, the Initiative focused on its technical assistance evaluation system, and has tested several methodologies.

Artemis was selected to collaborate with the Initiative in evaluating the technical assistance mission evaluation framework. This aims to make enhancements and refinements to the existing system. In 2023, Artemis was selected to assist the working group in testing the updated system for monitoring and evaluating technical assistance missions.

Location: Luxembourg (no field work needed)

Duration: July 2021 to January 2022

Number of staff provided: 63 Work Days (W/D)



Final Evaluation of The Green Secondary Cities Wastewater, Plastic waste and WEEE Management Project in three cities in Senegal

The evaluation contributed both to accountability and learning objectives. The evaluation rigorously examined a range of criteria, including relevance, sustainability, coherence, effectiveness, efficiency, and impact. Alignment to the government's priorities and analysis of the effects on the beneficiaries were also at the heart of the evaluation's work.

A mixed qualitative and quantitative approach was employed for data collection and analysis. Particular attention was paid to the issue of replication, as a scaling-up process was being prepared. The project was formulated based on the Theory of Change (ToC) and the evaluation considered this approach to identify possible changes in the pre-defined milestones and develop new possible paths.

Location: Senegal

Duration: December 2022 to March 2023

Number of staff provided: 45.5 Work Days (W/D)

Our references: Capacity Development



Consultancy on Merchandise Trade Statistics – 10th EDF / STATS

Artemis was mandated by the CARICOM organisation to provide relevant and high-quality statistics to CARICOM (Caribbean Community) policymakers, for supporting the establishment and monitoring of policies within the framework of the Common Market (CSME). This project aimed to leverage support provided under the ninth European Development Fund (EDF), by strengthening the capacity of National Statistical Institutes and the CARICOM Regional Office to produce and disseminate merchandise trade statistics.

Significant improvements were undertaken in the production, dissemination, and analysis of merchandise trade statistics. Quality enhancements in the merchandise trade data were achieved in the Member States and at the CARICOM Regional Office, leading to strengthened capacity in the dissemination and analysis of merchandise trade data.

Location: CARICOM countries

Duration: January 2014 to June 2016

Number of staff provided: 160 Work Days (W/D)



Training and Promotion Tools, Publications, Website (ACP/ALA)

Eurostat has developed a variety of tools aimed at improving statistical capacity building in developing countries in various statistical areas: the production of quality data (EUROTRACE, ERETES), data exchange (SDMX), sensitisation and training (Guide to statistics, Essential SNA), and quality assessment (Snapshot). This project was a continuation of the project 'Promotion and dissemination of statistical capacity tools in African, Caribbean and Pacific (ACP), Asian and Latin American (ALA) countries', implemented by Artemis from January 2014 to December 2016.

Artemis was selected to support Eurostat in disseminating these tools, aiming to improve the visibility and accessibility of the material available. It was also tasked to provide training courses on statistical capacity tools supported by Eurostat. Another key purpose of the project was to prepare statistical publications related to Eurostat's international cooperation activities.

Location: ACP and ALA Countries

Duration: July 2019 to September 2021

Number of staff provided: 282 Work Days (W/D)

Our references: Capacity Development



Technical Assistance to the ARISE Plus programme (ASEAN Regional Integration Support by the EU)

The ASEAN Regional Integration Support from the EU (ARISE) Plus programme, has the overall objective 'To support greater economic integration in ASEAN through the implementation of the ASEAN Economic Community Blue-Print 2025 (AECBP)'.

Artemis was tasked with enhancing customs operations, promoting efficient transport and trade facilitation, and raising standards to contribute to creating a more tightly integrated and harmonious ASEAN economy. This mandate also involved bolstering institutional capabilities, particularly in managing the integration process. Particular emphasis was placed on reinforcing compliance, monitoring outcomes, and assessing impacts. This involved statistical analysis, coordination, and management, along with enhancing the capacity of various ASEAN bodies and the ASEAN Secretariat (ASEC).

Location: ASEAN countries

Duration: November 2017 to May 2023

Number of staff provided: 1 823.5 Work Days (W/D)

MEDSTAT



MEDSTAT IV – Regional statistical project for ENP-South countries

Artemis was selected to conduct the training component of the MEDSTAT IV project, a three-year initiative designed to bolster the European Union's cooperation with the European Neighbourhood Policy South (ENP-South) countries in the field of statistics.

Under the MEDSTAT IV programme, Artemis provided a wide range of training and technical assistance to ENP-South countries. The organisation conducted an in-depth needs analysis, defined SMART pedagogical objectives, and introduced the use of Webex as a virtual community management tool. Artemis refined existing training courses, developed new courses on various topics, and implemented a comprehensive training of trainers programme, with a special focus on Communication for Statistics (C4S) and media relations.

Location: South East Asia, ASEAN Secretariat

Duration: December 2016 to July 2019

Number of staff provided: 193 Work Days (W/D)

Our references: Data Science



eurostat 

Support for transport statistics

Artemis boasts over 25 years of extensive experience and expertise in transport statistics, actively engaging in projects across various modes including Air, Maritime, Inland Waterway, Road, and Rail. The key objective of these projects is to support Eurostat with implementing the diverse legal acts governing transport statistics. These focus on comprehensive data management, spanning from data collection to dissemination. This includes the development and maintenance of information systems, database management, data quality control, methodological advancements and statistical analysis.

Artemis's long-standing collaboration with Eurostat has been pivotal in streamlining data collection processes in transport statistics. These efforts play a crucial role in evaluating EU policies related to transport.

Location: Luxembourg

Duration: January 2020 to January 2024 (for the most recent project)

Number of staff provided: 6 540 Work Days (W/D)



eurostat 

Decomposition of energy production and consumption trends

The project focused on developing a methodology to decompose the evolution of energy consumption into its main drivers using exclusively publicly available data from the European Commission and other European Institutions since 2010. The goal was to analyse and illustrate the impact of various drivers on energy consumption, including activity-related factors, structural elements, process efficiency and fuel choices. The analysis was designed to help identify the underlying reasons behind changes in energy demand across different sectors or types of uses.

The first objective was to pinpoint these main drivers by performing a decomposition analysis for both overall energy consumption and specific sectors or categories of energy usage. The second objective was to create a user-friendly tool for easy and automated calculation, as well as graphical presentation of the results.

Location: Luxembourg

Duration: January 2021 to December 2023

Number of staff provided: 700 Work Days (W/D)

Our references: Data Science



Use of EMSA data for maritime transport statistics

This project aims to conduct an in-depth analysis and estimation of vessels numbers categorised by type and size classes (in gross tonnage), at the reporting port level as collected through the Directive 2009/42/EC. It involves a comprehensive comparison of data from various sources, including Eurostat, EMSA, SSN aggregated data, and MARINFO data.

A key objective is to enhance the timeliness and accuracy of the reported data. EMSA's data is particularly useful in providing early estimates and evaluating the quality of the reported information. To further refine the analysis, EMSA has commercial data sources stored within MARINFO, which, when combined with SSN data, are expected to improve comparability with Eurostat statistics. This integration will enable the production of more timely indicators by leveraging data from both organisations. The ultimate goal is to optimise the accuracy and relevance of port traffic statistics through this comprehensive data analysis and comparison process.

Location: Luxembourg with missions to Lisbon
Duration: February 2023 to November 2023
Number of staff provided: 205 Work Days (W/D)



Support to water statistics production and water accounts development

This project aimed to support Eurostat and Member States in improving water statistics' collection and processing. Eurostat compiles national water statistics through questionnaires, including the Joint Questionnaire on Inland Waters and regional water statistics, which are collected following a tacit agreement without a legal obligation. These questionnaires cover various aspects of water management, such as water resources, abstraction, usage, wastewater treatment connection rates, sewage sludge management, and details on aquatic pollution generation and discharge.

The project's objectives were to enhance data management, quality control, statistical analysis, methodology, validation, and gap-filling, using estimation methods for these questionnaires. Additionally, the project aimed to refine opt-out options for countries where establishing water accounts is not aligned with their specific water-related challenges, thereby providing a legal framework for such.

Location: Luxembourg
Duration: January 2018 to December 2023
Number of staff provided: 800 Work Days (W/D)

Our references: Data Science



eurostat 

Collection and processing of detailed trade data from non-EU Countries and international organisations

The project focused on enhancing the COMEXT database by integrating and validating detailed external trade statistics from non-EU countries and international organisations. Its objective was to ensure high data through a range of tasks involving various data sources. These included international organisations, EU Candidate and Potential Candidate countries, European non-EU countries, central Asian countries, non-EU Mediterranean countries, and COMESA countries.

The process entailed corrections, aggregations, and transformations in collaboration with the data providers to improve data quality. The validated information was integrated into COMEXT, a Eurostat database. The primary users of these detailed trade statistics are various Directorates-General of the European Commission, including DG TRADE, DG AGRI, DG REGIO and DG MARE.

Location: Luxembourg

Duration: January 2018 to December 2024

Number of staff provided: 970 Work Days (W/D)



eurostat 

Helpdesk for the editorial services for 'What's New' section of Eurostat's website

The primary objective of this Helpdesk project was to create articles and visuals in an English journalistic style for the 'What's New' section of Eurostat's website. This section features daily articles highlighting new data releases, data and dissemination products, as well as new publications or visualisations from Eurostat. The articles succinctly describe statistical data in short texts, accompanied by social-media-friendly visuals.

The 'What's New' Helpdesk assisted Eurostat in all phases of article preparation, from identifying suitable data to publishing online. This included identifying user needs, analysing data availability, drafting articles, creating attractive and informative infographics, figures, maps and other visuals, proofreading, and preparing the publication for Eurostat's home page. A critical aspect was being able to respond quickly to user needs, often arising due to external events and hot topics in public debate, necessitating tasks with extremely short deadlines.

Location: Luxembourg

Duration: November 2019 to December 2021

Number of staff provided: 269 Work Days (W/D)

Our references: Data Science

STATEC



Development of Sustainable Development Goals

The project's objective was to assess and update the sustainable development indicators specific to Luxembourg. This involved a comprehensive review of existing indicators, comparison with other relevant lists, stakeholder engagement to gather input, and evaluation of the indicators' appropriateness. The outcomes of this process were compiled into a detailed report. This categorised the audited indicators into three groups: those discontinued due to the unavailability of recent data, indicators potentially falling under Tier 2 and 3 for future calculation, and new indicators proposed, based on international exchanges and comparisons.

Additionally, metadata for the new indicators and series for their calculation were developed. This project was in alignment with the 2030 Agenda and the National Plan for Sustainable Development in Luxembourg, serving as a valuable tool to measure and track progress towards achieving sustainable development goals.

Location: Luxembourg

Duration: November 2022 to January 2023

Number of staff provided: 39 Work Days (W/D)

iea

Assist the IEA in developing historical time series for energy statistics and energy balances of India

The IEA Energy Data Centre (EDC) has been maintaining and updating detailed energy time series for an expanding list of non-OECD countries since 1971, totalling 117 countries as of September 2021. A key challenge has been the reporting of energy statistics and balances in fiscal rather than calendar years by some countries, impacting data comparability, particularly for external trade. To address this, the IEA developed a ten-year calendar energy statistics dataset for India (2011-2020), marking a significant step towards improving data comparability for this country.

Artemis supported the IEA in developing the historical time series (from 1970 to 2010) for India's energy statistics and energy balances. This involved creating a data mapping table, reviewing IEA's assumptions and calculations, identifying data sources, and developing estimation methods. The ultimate goal was to produce accurate calendar-year energy balances for India.

Location: Luxembourg

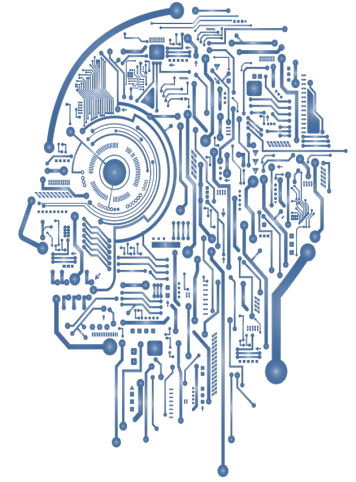
Duration: December 2021 to April 2022

Number of staff provided: 42 Work Days (W/D)



Our innovation processes

Artemis is dedicated to innovation, constantly seeking fresh ideas and solutions to improve our products and services. We value creativity, research, and development as integral to our mission. Our commitment to innovation reflects our passion for delivering outstanding results and staying ahead in the market.



Artemis ensures different systems to strengthen the innovation processes:

- **Task force Innovation:** Artemis demonstrates its commitment to fostering innovation by allocating substantial resources and dedicated personnel to our innovation task force, thus underscoring the importance of driving creative solutions.
- **REX (Return on Experience):** Artemis uses the REX approach in project management. Both successful and unsuccessful experiences are assessed within the PDCA (Plan-Do-Check-Act) cycle. This process enables us to extract valuable insights from past projects, share these practices across the company, generate recommendations for continuous improvement and apply them to enhance our future endeavours.
- **Capacity Building:** Education is essential in today's rapidly changing world for fostering innovation. Artemis recognises that as new information and technologies continually emerge, education empowers individuals to adapt to evolving job requirements, maintain competitiveness in the job market, and pursue personal interests and passions.
- **Events & Conferences:** Artemis recognises the significance of attending events and conferences to stay informed about methodological trends, connect with professionals, and showcase their innovations.



ARTEMIS

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Contact

Secretariat

Email: artemis@artemis.lu

Tel.: +352 45 91 45 – 1

Our offices are located at
27, Boulevard Prince Henri
L-1724 Luxembourg

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