



PERSONAL INFORMATION

Surname(s) / First name(s)


Glenn Vancauwenberghe



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Sex Male | Date of birth 14/05/1984 | Nationality Belgian

Position

Senior Researcher and Consultant

WORK EXPERIENCE

January 2025– Present

Owner and Senior Expert

GEONOTGEO, Belgium

Design, management, execution and evaluation of research and policy support projects with a particular focus on sustainable development and international cooperation, covering areas such as open data, geospatial data, digital transformation and digital skills

July 2018 – December 2024

Research Manager

Spatial Applications Division Leuven (SADL), Katholieke Universiteit Leuven, Belgium

Preparation, acquisition, management and execution of research and policy support projects on GI, SDI and EO, with a focus on policy, governance and organisational aspects

July 2016 – June 2018

Post-doctoral Researcher

Knowledge Centre Open Data, TU Delft, the Netherlands

Research, education and policy advice on the governance and assessment of Open Spatial Data Infrastructures, with a focus on the Netherlands and the United Kingdom

April 2012 – June 2016

Senior Researcher

Spatial Applications Division Leuven (SADL), Katholieke Universiteit Leuven, Belgium

Research, capacity building and policy advice on the non-technological aspects of GI and SDI, including policies, governance, funding, licensing, institutional frameworks and assessment

September 2007 – December 2011

Junior Researcher

Public Governance Institute (PGI), Katholieke Universiteit Leuven, Belgium

Research and policy advice on the development of the Spatial Data Infrastructure of the Region of Flanders, with a focus on the policy and institutional aspects of SDIs

EDUCATION

2007 – 2013

Ph.D. in Social Sciences

Katholieke Universiteit Leuven, Belgium

Public administration and policy, research design, research methods, coordination and governance, geospatial data, spatial data infrastructures, research valorisation, research management, data management

2006 – 2007

Master in Management of Public Administration

Ghent University, Belgium

Public administration, public management, public policy, policy recommendations, stakeholder engagement, digital government, financial management, strategic management, innovation and entrepreneurship

2002 – 2006

Master in Sociology

Katholieke Universiteit Leuven, Belgium

Sociology, social policy, scientific writing, quantitative and qualitative research, research design, survey design, in depth interviews, case study research, statistical analysis, ethics, labour markets and regulations

PROJECT EXPERIENCE

September 2024 – Present

Consultancy for the Development of NSDI Policy Documents in Georgia

World Bank and the National Agency of Public Registry (NAPR) of Georgia

SDI policy expert – Development of the licensing model and business model of the NSDI of Georgia

Georgia has been progressively working towards establishing a National Spatial Data Infrastructure (NSDI) to strengthen geospatial data management and increase the use of geospatial information for evidence-based decision-making. In the recent NSDI law, the National Agency of Public Registry (NAPR) was designated as the Coordinator for the NSDI of Georgia. The main objective of the assignment is to support the National Agency of Public Registry in the preparation of three key policy documents related to the NSDI. The Terms and Conditions of Access, Use and Sharing of the Spatial Data Resources Published on the National Geoportal, The National Profile of the Data Exchange and Joint Use Model and the NSDI Strategy.

Activities performed:

- Guidance and capacity building on SDI licensing and SDI business models
- Collection and analysis of international good practices in SDI licensing and SDI business models
- Design of the licensing model and business model for the NSDI
- Review and revision of the NSDI Strategy

January 2024 - December 2024

SpaceSUITE - SPACE downstream Skills development and User uptake through Innovative Curricula in Training and Education

European Commission – Erasmus+ Sector Skills Alliances

Senior researcher – Provision of skills intelligence and design of skills strategy for the space downstream sectors

SpaceSUITE is grounded on the SPACE4GEO Large-scale Skills Partnership on Space Data, Services and Applications under the European Pact for Skills and builds on the success and experience of the Erasmus+ Sector Skills Alliance EO4GEO. The main objective of SpaceSUITE is to empower a skilled workforce in the downstream space sector. The project aims to create tailored educational programs for various roles, from technicians to decision-makers, fostering advanced skills in the fields of Earth Observation and Geo-information, Position Navigation and Timing and Satellite Communication.

Activities performed:

- Design of a skills intelligence mechanism for the collection, analysis and use of data on skills needs and skills gaps
- Elaboration of skills strategy for the space downstream sectors

May 2023 – February 2024

Impact Assessment for the new EU Space Law

European Commission, DG DEFIS

Policy research expert – Support to different stages of the Impact Assessment for an EU Space Law

In their 2023 Space Strategy for Security and Defence, the European Commission and the High Commissioner of the Union for Foreign Affairs and Security Policy announced the objective of preparing a proposal for an EU Space Law that would elevate the level of resilience, safety and sustainability of space activities across the European Union. With the aim of supporting an impact assessment for this upcoming EU Space Law, KU Leuven and Deloitte performed a study for the European Commission's DG DEFIS.

Activities performed:

- Problem definition and analysis of state of the art
- Design of different scenarios for a EU Space Law
- Analysis of the relevance, feasibility and impact of different scenarios

January 2023 – December 2024

DIS4SME - Data Interoperability Skills for SMEs

European Commission – Digital Europe

Senior researcher – Analysis of existing training on location data interoperability and design and implementation of new training activities

DIS4SME is a European project aimed at delivering high-quality specialised training courses focused on location data interoperability in different areas. The aim of DIS4SME is to provide especially SMEs with the right skills required to orient their digital transformation strategies and plans around (location) data interoperability, as enabler of the key capacity areas addressed by the Digital Europe Programme. DIS4SME will develop and provide different types of training actions to SMEs, covering various topics related to location data interoperability. This training offer takes into consideration recent trends and developments, such as data spaces, high-value data, digital twins, etc.

Activities performed:

- Analysis of the offer of training on location data interoperability in Europe
- Investigation of training courses and materials on legal and organisational interoperability, including aspects such as licensing and open data
- Introductory training on location interoperability, covering relevant EU policies and initiatives

January 2023 – December 2024

RESIST - Regions for climate change resilience through Innovation

European Commission – Horizon Europe

Scientific expert – Design of scientific dissemination strategy

RESIST aims to strengthen the resilience, accelerate the transformation and increase the adaptive capacity of 12 climate vulnerable EU regions. This will be done by implementing 4 large-scale demonstrators of resilient innovations for Climate Change Adaptation (CCA) following a quintuple-helix approach. The demonstrators will run in four regions but also promote the transfer of know-how and innovative solutions to eight twin regions (of which 4 less developed regions) through both physical mutual-learning activities and the implementation of innovative immersive digital twins.

Activities performed:

- Design of strategy for disseminating the scientific outputs of the project
- Classification and demonstration of climate adaptation solutions

October 2022 – March 2024

Support to Space Traffic Management Standardisation

European Commission – DG DEFIS

Policy research expert – Data collection and analysis, design and evaluation of policy options, design of implementation roadmap

The European Commission is exploring options for establishing common rules, standards and guidelines for a comprehensive space traffic management system allowing safe access to and use of space by national, European, and international space operators. The objectives of this project on STM Standardisation were to 1) analyse how space manufacturers and operators in the EU comply with non-binding rules and standards for space traffic management, 2) analyse the feasibility of establishing an EU-wide mechanism to support soft law compliance in space traffic management and 3) carry out outreach activities related to the EU-wide mechanism to support standardisation in space traffic management.

Activities performed:

- Consultations with key stakeholders in the domains of space and STM in Europe and worldwide
- Investigation of label mechanisms and their effectiveness in different areas
- Definition of project scope, methodology, stakeholder engagement strategy, and detailed work plan in the project proposal and inception report
- Design and assessment of the policy option of introducing an EU Space Label

October 2022 – June 2024

Supporting Services to the National Spatial Data Infrastructure of Moldova

World Bank and National Mapping and Cadastre Agency of Moldova (ALRC)

Senior expert – Leading the design and implementation of the monitoring and evaluation of the NSDI and contributing to various other tasks

With this project the National Mapping and Cadastre Agency of Moldova (ALRC) aimed to get support for the development of the NSDI of Moldova. The focus was on two specific objectives: 1) Support to the implementation of the NSDI Action Plan, Business Model and Business Plan and 2) Support to the NSDI use-case development. The work on the Action and Business Plan, and Business Model entails many aspects, including the monitoring and evaluating the status and impact of the SDI. The use case component of the project deals with developing and implementing specific use cases to demonstrate the practical use of the available data sets to meet the government priority needs.

Activities performed:

- Elaboration of the Business Model of the NSDI Centre of Innovation in Moldova
- Design and execution of M&E approach for the NSDI
- Identification and design of NSDI use cases
- Analysis of international best practices in NSDI implementation

Augustus 2022 – December 2024

USAGE – Urban Data Space for Green Deal

European Commission – Horizon Europe

Senior researcher – Contributing to the analysis of current practices and the development of policy co-design guidelines

USAGE (Urban Data Space for the Green Deal) aims to provide solutions and mechanisms for making city-level environmental and climate data available to everyone based on FAIR principles (Findable, Accessible, Interoperable and Reusable). USAGE will support the implementation of the European strategy for data and various European Green Deal priority actions at the level where climate change is mostly felt: cities and towns. USAGE will provide innovative governance mechanisms, consolidated arrangements, AI-based tools and data analytics to share, access and use city-level data from Earth Observation (EO), Internet of Things (IoT), authoritative and crowd sources, leveraging on standards for data and service interoperability.

Activities performed:

- Analysis of climate data strategies, processes and policies at city level
- Preparation of guidelines for policy co-design in climate policies
- In-depth interviews with local experts and stakeholders

September 2021 – December 2024

ODECO – Towards a sustainable Open Data ECOsystem

European Commission – Horizon 2020

Senior researcher and supervisor – Contributing to the training programme and supervising research on the value of data ecosystems.

ODECO is a Horizon 2020 Marie Skłodowska-Curie Innovative Training Network initiative, with aims to train the next generation of creative and innovative early stage open data researchers, in order to unlock their creative and innovative potential to address current and future challenges in the creation of user driven, circular and inclusive open data ecosystem. Bringing together different sectors (research, private sector, government, non-profit) and different perspectives (public administration, law, business, engineering), ODECO aims to address the central challenge of realizing a user driven, circular and inclusive open data ecosystem.

Activities performed:

- Definition of the scope, methodology and detailed workplan of the project
- Leader of the work on communication & dissemination
- Design of training programme on open data ecosystems
- Supervising research on value in the context of data ecosystems

Augustus 2021 – March 2022

International Lessons Learned and Recommendations on Business and Funding Models for Mekong Delta Center

World Bank

Senior expert – Research and policy advice on SDI business and funding models

The major objective of this project was to support the establishment and operation of the Mekong Delta Center by presenting international good practices of funding Spatial Data Infrastructures (SDIs) and providing detailed recommendations for the funding of the Center. The project consisted of a literature review on international experiences in sustainable funding of SDIs and similar initiatives, a series of case studies of SDIs with operational and funding modalities other than central government budget funds; and the development of recommendations for the long-term funding of the Center.

Activities performed:

- Literature review on SDI business models and funding models
- Analysis of the business and funding models of six international SDI initiatives
- Drafting of recommendations on the business and funding model of the Center

December 2020 – April 2022

Pilot Project on Space Traffic Management - The rise of importance of Space Traffic Management

European Commission – DG DEFIS

Senior expert – Data collection and analysis, policy evaluation in the domain of STM

The overarching goal of the project was the execution of a pilot study to support the development of a comprehensive approach on Space Traffic Management (STM) in Europe, with an overall aim of ensuring long-term, open, sustainable and safe use of space, while fostering European space ecosystems and ensuring Europe's strategic autonomy. The project investigated the impact of ongoing developments in space activities and identify related challenges. The effectiveness and relevance of existing legal and regulatory frameworks and practices were assessed. Practical recommendations and next steps at the national, European and international levels were formulated, taking into account the legal bases for action at the European level.

Activities performed:

- Definition of project scope, methodology, and detailed work plan
- Consultations with key stakeholders in the domains of space and STM
- Analysis of existing legal and regulatory frameworks in the STM domain
- Assessment of policy actions for implementing a EU-approach to STM

December 2020 – July 2022

ELISE 2020 - Leveraging the power of location information and technologies to improve public services at local level: an EU-wide analysis

European Commission – Joint Research Centre

Public administration expert – Design & execution of policy research and support

The main aim of the project was to investigate the innovative use of location data and technology at local and regional levels in the EU for increasing the quality of public services and producing public value. To achieve this aim, the following project objectives were defined: to review the state of the art on the innovative use of location data and technologies for delivering public services in the EU; to develop and test a conceptual framework for assessing the impact of location data and technologies on public value creation through public services at local level; and to outline future research and policy recommendations.

Activities performed:

- Design of conceptual framework for investigating the innovative use of location data and technologies
- Case studies on innovative approaches for using location data and technologies in cities and regions
- Drafting of policy recommendations on improving public services at local level through location data and technologies

March 2020 – January 2021

The costs and benefits of geospatial web services of the national Spanish SDI-node

National Center for Geographic Information, Spain

Senior researcher – Analysis of SDI licensing and pricing models

The National Geographical Information Centre (CNIG) of Spain wanted to tackle the challenge of assessing the benefits and costs of SDIs through a dedicated project on estimation the costs and benefits of the Central SDI-node of Spain, i.e. the National Geographic Institute (NGI). In this project, a new and innovative approach for cost-benefit evaluation and value estimation was developed and tested. The approach relied on a comparative analysis of selected European SDI's that charge for geospatial web services by using the fees for these services and number of users as point of reference.

Activities performed:

- Analysis of geospatial data licensing and pricing models in different countries
- Data collection through interviews and desk research
- Engagement of SDI-stakeholders in different EU countries
- Estimation of the benefits of the Spanish SDI-node and its services provided

January 2020 – January 2024

SEED4NA - Spatial Data Infrastructures and Earth Observation Education and Training for North-Africa

European Commission – Erasmus+ Capacity Building for Higher Education

Project coordinator and senior researcher – Project management, skills needs assessments, design and implementation of education and training, work with stakeholders

The main objective of SEED4NA was to improve the quality of higher education in the fields of SDI and EO, and to enhance its relevance for the labour market and society through the development of new and improved SDI/EO curricula. SEED4NA focused on SDI and EO education and training in four North-African countries: Algeria, Egypt, Morocco and Tunisia. Needs and requirements for SDI/EO in these four countries were analysed, and used for the development of new teaching activities and materials on SDI, EO and related topics. Through a multi-stage training programme, skills and competences of local teachers involved in SDI/EO education were improved.

Activities performed:

- Coordination, management and quality assurance of the project
- Design of education/training curriculum on geospatial/EO data
- Engagement of NSDI stakeholders in Algeria, Egypt, Morocco and Tunisia
- Developing and implementing training on SDI governance, business and funding models

January 2020 – December 2022

SPIDER - Open Spatial Data Infrastructure Education Network

German Academic Exchange Service

Senior researcher & teacher – design, development and implementation of active teaching about SDI

The overall objective of SPIDER was to promote and strengthen active learning and teaching towards Open SDI. Sub-objectives of the project were: to explore, develop and implement the concept of Open SDI as a new paradigm to SDI education and to develop and test a toolkit for implementing Open SDI in existing curricula in study programs of different disciplines.

Activities performed:

- Definition of project scope, methodology and work plan in the project proposal and project plan
- Mapping and analysis of education on SDI and related topics in Europe
- Design of methodology and guidelines & toolkit for active teaching on SDI
- Development and implementation of several active teaching practices

December 2019 – June 2021

ELISE Knowledge Transfer II : Digital Transformation and the future of SDI

European Commission, DG DIGIT & Joint Research Centre

Senior expert – Design and execution of longitudinal study on the use of spatial data for environmental purposes

The project 'ELISE Knowledge Transfer: Digital Transformation and the Future of SDI' aimed to consolidate and continue the work already done by the ELISE Action of the European ISA² Programme, on 'European Location Interoperability Solutions for e-Government, in order to provide to public administrations the right tools to apprehend the role of geospatial in Digital Government Transformation and how this role will evolve in the future. New and updated knowledge on various relevant topics was developed through several rapid studies and two larger studies on the use of environmental data and cross-border data flows.

Activities performed:

- Data collection on the use of spatial data through a survey among practitioners
- Longitudinal study on the evolution in accessing and using spatial data for environmental purposes
- Input to the study on the cross-border use of geospatial data

November 2019 – December 2020

Feasibility studies on the added value of remote sensing technologies in EU development cooperation projects

European Commission – DG DEVCO

Senior expert – Feasibility studies, data collection via desk research and interviews

The general purpose of the project was to demonstrate the added-value of remote sensing in three specific international development cooperation projects in order to develop a long-term, robust and sustainable framework for using Copernicus observation data in development cooperation. In particular, the study team supported DG DEVCO with the preparation of three feasibility studies covering a thorough situation analysis (including assessment of the relevant legal frameworks), a technical/operational analysis and economic analysis for three candidate pilot projects.

Activities performed:

- Definition of project scope, methodology, stakeholder engagement strategy, and detailed work plan in the project proposal and inception report
- Feasibility assessments covering also the legal, governance and economic aspects and financial risks of various projects
- Interviews with experts and key stakeholders

September 2019 – June 2019

Copernicus Service Component R&D needs collection and analysis for Horizon Europe and stakeholder consultation

European Commission - DG GROW

Senior expert – Identification and classification of Copernicus R&D needs

The overall aim of this project was the provision of support to the European Commission in collecting and analysing the Copernicus Research and Development (R&D) needs for the next Horizon Europe in the context of the Service component evolution and downstream activities. An analysis of relevant Copernicus workshops and H2020 initiatives resulted in the collection and classification of R&D needs for Copernicus within the services evolution and the downstream context. During two stakeholders workshops the identified needs were further discussed and validated with stakeholders in different sectors and domains.

Activities performed:

- Definition of project scope, methodology and detailed work plan in the project proposal and inception report
- Engagement of stakeholders in the R&D domain of the EU space sector
- Desk research on Copernicus Research & Development needs

May 2019 – June 2020

Elaboration of standards, norms and procedures in the acquisition and dissemination of geospatial information in Mozambique

World Bank and Government of Mozambique – Ministry of Transport and Communications
Public administration expert – Analysis and redesign of geospatial production processes through case studies and in-depth interviews

The aim of the assignment was to support the Government of Mozambique in its understanding and the implementation of international and other standards as part of NSDI developments, and to set-up and improve procedures for the production of geographic information. The aim was to help reducing the costs of implementing and maintaining the national Spatial Data Infrastructure (SDI) of Mozambique and to facilitate policy and decision making. Other aspects addressed in the project included the establishment of a national SDI governance structure and the design of an approach for measuring and monitoring the benefits of the SDI.

Activities performed:

- Detailed assessment of the use and exchange of geospatial data
- Training on SDI and (open) data policies, covering aspects such as open data, licensing models, data sharing arrangements and legal frameworks
- Collection of best practices in cost-benefit analyses of SDIs
- Guidance on quality management systems and standards related to spatial data

January 2019 – December 2019

Towards an Open Spatial Data Infrastructure in Peru

KU Leuven, Multi-stakeholder Grant

Senior researcher – Project management, engagement of local stakeholders, capacity building on SDI and open data, design and implementation of research project on open spatial data in Peru

The aim of this project, which was executed in collaboration with local researchers and NGOs, was to evaluate the openness of the Peruvian Spatial Data Infrastructure (SDI). In this project, an assessment framework was developed to assess the openness of SDIs, with particular attention to the participation of citizens and the delivery of spatially enabled e-services to citizens as key dimension of Open SDI. This framework was applied to the SDI in order to gain insight in the openness of the Peruvian SDI and contribute to the development of an action plan towards a more Open SDI in Peru.

Activities performed:

- Best practices in the assessment of (open) SDI
- Assessment of access and use restrictions to geospatial data

January 2019 – February 2020

ELISE Knowledge Transfer: Location Interoperability for Digital Transformation

European Commission, DG DIGIT & Joint Research Centre

Senior expert – Development of vocabulary of geo-ICT skills, revision of EULF Blueprint, execution of rapid studies on various topics

The aim of this project was to create a set of resources to support knowledge transfer and capacity building in the context of location interoperability and digital transformation. The project helped to better define the landscape between these two topics, particularly within the view of public administrations. Among the resources developed and provided during the project were vocabularies related to digital skills in the context of location interoperability and digital transformation, a Geospatial Primer for Digital Transformation, a set of rapid studies on various topics within the scope of the project, a Location Interoperability workshop package, and an update of the European Union Location Framework (EULF) Blueprint.

Activities performed:

- Contribution to the development of a vocabulary of geo-ICT skills
- Rapid studies on key topics related to location interoperability & digital transformation (e.g. digital twins, organisational interoperability, SDIs, etc.)
- Review and revision of the EULF Blueprint

July 2018 – June 2022

EO4GEO - Towards an innovative strategy for skills development and capacity building in the space and geo-information sector to support Copernicus user uptake

European Commission, DG EACEA

Senior researcher – Preparation of EO/GI sector skills strategy, analysis of skills need and mismatch review of SDI/EO research, development of body of knowledge

EO4GEO was an Erasmus+ Sector Skills Alliance involving 48 partners from 16 countries active in the education/training and space/geospatial sectors. EO4GEO aimed to bridge the skills gap between supply and demand of education and training in the sector by reinforcing the existing ecosystem and fostering the uptake and integration of EO and geospatial data and services in end-user applications. EO4GEO prepared a strategy and long term action plan, developed a Body of Knowledge (BoK) for GI & EO and a collaborative platform with associated tools, and designed a portfolio of VET curricula for several sub-sectors including smart cities, climate change and integrated applications.

Activities performed:

- Contributing to the preparation of EO/GI sector skills strategy through the identification and analysis of policies and initiatives related to EO/GI skills
- Analysis of skills need and mismatch in the EO/GI domain
- Elaboration of concepts in the Body of Knowledge related to the non-organisational aspects of SDI

July 2018 – May 2019

The role of the Spatial Data Infrastructure in the Digital Transformation of Public Administration

European Commission, DG DIGIT & Joint Research Centre

Senior expert – Study design, data collection & analysis and reporting of study results

Aim of this study was to provide a comprehensive analysis and summary of SDI developments in different countries, following the legal and technical implementation frames of the INSPIRE Directive and to place these innovative developments in the larger context of eGovernment and Digital Transformation (DT). The study helped understanding the relation between progresses in eGovernment and implementation of INSPIRE and demonstrating the role of INSPIRE as building block for digital government.

Activities performed:

- Design of study on investigating the role of SDI in Digital Transformation
- Analysis of SDI developments and their role in DT in 29 European countries
- Identification and in-depth analysis of best practices in SDI & DT

July 2016 – June 2018

Effective Governance of Open Spatial Data

European Commission, Research Executive Agency

Research manager and researcher – research design, case study research, in-depth interviews, data valorisation

The central research question the project aimed to answer was: what is the impact of different models for governing open spatial data on the performance of open spatial data policies in Europe? To answer this research question, a case study approach was implemented, analysing two countries that were among the leading open data countries in the world: the Netherlands and the United Kingdom. The project was executed in close collaboration with the Dutch Ministry of the Interior and Kingdom Relations, and the Open Data Institute in the United Kingdom, one of the pioneering bodies in Europe in the field of open data.

Activities performed:

- Definition of project scope, methodology and detailed work plan
- Development and application of a framework for assessing SDI openness
- Case studies on (open) geospatial data and applied governance mechanisms

June 2015 – June 2016

giCASES - Creating a University-Enterprise Alliance for a Spatially Enabled Society

European Commission, Erasmus+

Researcher – Analysis of needs and experiences related to academia-industry cooperation in GI education and training

The aim of giCASES was to enable and strengthen innovation in GI education and industry and to facilitate the collaborative creation, management and sharing of knowledge. The specific objectives of the project were to improve the quality and relevance of academic GI courses and to facilitate the growth of new knowledge-sharing processes and tools between enterprises and universities. These objectives were addressed by developing new, innovative and multidisciplinary approaches to teaching and learning within the Geographic Information (GI) sector, and facilitating the exchange, flow and co-creation of this knowledge.

Activities performed:

- Design and implementation of a survey on the needs of industry and academia with regard to the joint creation, management and sharing of knowledge
- Establishment of a catalogue of best practices on cooperation between industry and academia in GI education and training

June 2015 – June 2016

CENTRIC – Centre of Excellence in Territorial management and Cadastre

European Commission, Research Executive Agency

Senior GI expert – Elaboration of business model and future research agenda,

The Romanian Government decided to ensure financial support to a National Programme for a Unitary System of Cadastre and Land Registration, with a focus on the delivery of a unique database of all information on existing real estate properties. CENTRIC wanted to introduce State-of-the-Art Geographic Information Science & Technology and to implement innovative solutions. Through know-how transfer from leading RTD institutions in Europe involved in the project, CENTRIC ensured scientific excellence and a strong positioning of Romania within the aforementioned domain. CENTRIC aimed at the creation of a new Centre of Excellence on territorial management and cadastre. In particular, a detailed business plan will be developed.

Activities performed:

- Definition of the business model and elaboration of the business plan of the Centre
- Design of curricula and mobility scheme for capacity building within the Centre

December 2014 – June 2016

Review of the federal geo-ICT infrastructure in view of alignment with SDI and INSPIRE requirements

Belgian Federal Government – National Geographic Institute (NGI)

Governance and data policy expert – SDI assessment, interviews with key stakeholders, development of ICT-strategy, development of federal geodata policy

The National Geographical Institute in Belgium is responsible for the collection, management and distribution of geographic information and operates as the key node in the Federal SDI which exists along - and in connection with - the Regional SDIs. NGI strives towards a Service Oriented geo-ICT Architecture. The aim of this assignment was to support NGI in the development and implementation of the federal SDI.

Activities performed:

- Investigation of needs and the licensing and pricing models in place at the producers of geospatial data
- Support to the development of a federal approach on spatial data and service sharing
- Assessment of good practices in licensing and pricing for geospatial data in Europe
- Input to the federal geo-ICT strategy

January 2014 – January 2015

Active dissemination of environmental information in relation to the Birds and European Commission, DG ENV

Senior INSPIRE expert – Desk research, analysis of data, services and metadata, development of recommendations

This project aimed to help streamlining the efforts to provide environmental information and develop/maintain information systems that currently exist at the European and national levels with regard to Natura 2000, and to improve interoperability between the national system and those at the European level. The current status in the Member States was assessed against the provisions of Article 7 of the Access to Environmental Information Directive and the provisions of INSPIRE with regard to information relevant to the implementation of the Birds and Habitats Directives.

Activities performed:

- Assessment of access and use restrictions to environmental data in relation to Natura 2000 in the EU
- Drafting of recommendations on how to improve the access and use of environmental data

January 2014 – June 2014

INSPIRE Strategy Romania

Romanian Government – National Agency for Cadastre and Land Registration (ANCPI)

Senior INSPIRE expert – Stakeholder consultation and workshops, strategy development, best practices identification

The objective of the project was to create the legal and technical framework necessary for implementing a Spatial Data Infrastructure in Romania aligned with the requirements imposed by European Directive INSPIRE. The project consisted of two stages: 1) the development of an INSPIRE implementation strategy and 2) the development of draft regulatory acts relating to tariff policies and exchange of data, rights of access of spatial data sets and services.

Activities performed:

- SWOT Analysis of the NSDI in Romania
- Collection and discussion of best practices in NSDI/INSPIRE Implementation
- Drafting of the sections on governance and data policies (data access, data sharing, licensing, etc.) in the INSPIRE Strategy
- Stakeholder consultations and co-design workshops on various chapters of the strategy

October 2013 – June 2016

GI-N2K – Geographic Information Need to Know

European Commission, LLP - Erasmus

Researcher – Analysis of skills needs and skills gaps and development of GIS&T Body of Knowledge

The GI-N2K project aimed to better align GI S&T curricula at the academic level and in vocational training offers, with the needs of the GI job market. The project analysed the current market demands and training offer in the GI S&T sector, developed a new version of the GI S&T Body of Knowledge and created a series of tool to maintain and use this Body of Knowledge. The GI-N2K project was implemented by an extensive network of 31 academic and non-academic partners from 25 different countries.

Activities performed:

- Analysis of the demand for and supply of GIS&T education and training in Europe
- Contribution to the development of a new version of the GIS&T Body of Knowledge, with a focus on the organisational and societal aspects of GIS&T
- Preparation and execution of various workshops on the GIS&T Body of Knowledge and supporting tools

October 2013 – November
2015

LINKVIT - Leveraging Inspire Knowledge into Vocational Innovative Training

European Commission, LLP Leonardo da Vinci Transfer of Innovation

Senior expert – Analysis, preparation and organisation of training material, tutor of sessions on INSPIRE Advanced and Basics of INSPIRE Data and service sharing

LINKVIT aimed to transfer knowledge, and to rationalize and organise vocational training in the field of INSPIRE, especially in view of supporting its implementation in Italy. The work consisted of 1) the analysis and organisation of existing training material including the definition of learning paths, 2) the adaptation of the existing content and supporting infrastructure, and 3) the organisation of training sessions and testing of the proposed approach.

Activities performed:

- Analysis of existing training initiatives and materials
- Design and delivery of training on 'INSPIRE Data and service sharing' and on 'INSPIRE advanced'

January 2013 – June 2016

Support for the establishment of a European Union Location Framework (EULF)

European Commission, Joint Research Centre

Senior consultant – Data collection, analysis and assessment, vision development, elaboration of Blueprint and Roadmap

The European Commission aimed to fully exploit the potential of a consistent and integrated use of location-based information for their activities across various policy domains. Therefore, a European Union Location Framework (EULF) was developed under the ISA Programme (DG DIGIT) to align policies in which location plays a vital role, to integrate INSPIRE and e-Government efforts, and to enhance interoperability of processes leading to more benefits for government, businesses and citizens. The EULF project investigated the current status of affairs in the EU, with focus on Best Practices, it formulated a common vision among the different stakeholders and elaborated the EULF Blueprint and Roadmap for the coming years.

Activities performed:

- Analysis of the status of integrating location data in digital government in Europe
- Collection of best practices in integration location data into digital government (services) in different domains
- Preparing guidelines on the integration of location data in digital government processes and services
- Elaboration of the EULF Blueprint & Roadmap

January 2013 – June 2013

SDI Benchmarking and Good Practices in INSPIRE Implementation

Public Service of Wallonia, Geomatics Department, Belgium

SDI Assessment Expert – Assessment of national and regional Spatial Data Infrastructures in Europe

The Government of the Walloon Region in Belgium aimed to assess the status of the SDI development in the southern part of Belgium as part of the preparation of a SDI Strategic Plan in the Region. This plan was based on an analysis of the user requirements and took into account experiences of other SDIs in Europe. The Benchmarking Study aimed to learn from the (Best) Practices in two regional (Flanders, Brussels) and five national (CH, DE, FR, NL, UK) SDIs.

Activities performed:

- Development of SDI Assessment framework and methodology
- Assessment of national and regional SDIs in Europe
- Collection and presentation of good practices in SDI/INSPIRE implementation
- Interviews with experts and practitioners in the geospatial domain

May 2012 – April 2014

SmeSpire - A European Community of SMEs built on Environmental Digital Content and Languages

European Commission, FP7 Support Action

Researcher – Design and implementation of a study on the European Geo-ICT sector, training activities on SDI/INSPIRE and e-government

The purpose of the project was to encourage and enable the participation of SMEs in INSPIRE implementation. Therefore smeSpire assessed the market potential for SMEs; collated and exploited a Best Practice Catalogue in the management of environmental content; developed a training curriculum and package to help filling the knowledge gap; and created a network capable of transferring result-driven knowledge throughout Europe with research centres, environmental agencies, technology and digital content providers.

Activities performed:

- Study on the geo-ICT sector in Europe, and the impact of NSDI/INSPIRE to this sector
- Design of training programme on NSDI/INSPIRE for SMEs
- Providing training on NSDI/INSPIRE and digital government

September 2007 – December
2011

SPATIALIST - SDI for Public Sector Innovation

Flemish Government – IWT

Junior researcher – Analysis of coordination instruments and mechanisms, research design, data collection via surveys and in-depth interviews

SPATIALIST was a multi- and interdisciplinary research project involving researchers from different disciplines: public administration, sociology, economics, law and geomatics. The central research question of the project was: what are the technical, legal, economic, sociological and public administrative requirements to develop an operational Flemish Spatial Data Infrastructure, consistent with international standards, that is efficient, effective, flexible and feasible?

Activities performed:

- Analysis of mechanisms and instruments for coordinating in the context of Spatial Data Infrastructures
- Longitudinal study on the use of GI(S) at the municipal level
- Case studies on the access to, use of and exchange of geospatial data in different government processes
- Design and implementation of an interdisciplinary study on SDIs and their performance
- Engagement of stakeholders in different domains
- Recommendations to the further development and implementation of the SDI

PERSONAL SKILLS

Mother tongue(s) Dutch

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	• C2	• C2	• C2	• C2	• C2
French	• B2	• B2	• B2	• B2	• B1
German	• A1	• A1	• A1	• A1	• A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills	Excellent communication and reporting skills. Author of several scientific and policy reports, on various topics related to GI, SDI, open data and digital transformation. Publications in professional and academic journals and reports. Presentations at national and international conferences (both academic and professional). Teaching and providing training on various topics, to different target audiences.
Organisational / managerial skills	Experience in project and team management . Outstanding analytical and problem-solving abilities. Ability to assign priorities, plan, manage time, and work with deadlines.
Job-related skills	<p>Experience in the design, implementation and evaluation of research, capacity building and policy support projects. Expertise in quantitative and qualitative research methods, including survey design and testing, interviewing and (statistical) data analysis. Use of different software packages to collect and analyze research data.</p> <p>Experience in organizational and institutional issues with regard to GIS, e-government and the implementation of Spatial Data Infrastructures (SDI). Background in public management and public policy research, with a strong focus on governance and coordination issues. Leading researcher in Europe on the policy and institutional aspects of Spatial Data Infrastructures. Strong expertise and experience in research-driven design and implementation.</p>
Computer skills	<p>Experience in using mixed computer environments.</p> <ul style="list-style-type: none"> ▪ Operating Systems: MS-WINDOWS, OS X ▪ Statistical software: SAS, SPSS ▪ Software for qualitative research: NVivo, ATLAS.ti, fsQCA ▪ Software for network analysis: Ucinet/Netdraw, visone, VOSviewer ▪ Other software: spreadsheets (Excel), word-processing (Word), reference management (Reference Manager – Zotero)

PROFILE

Dr. Glenn Vancauwenberghe is senior consultant, researcher and research manager in the geospatial domain. His main field of research is related to the governance and policy aspects of Spatial Data Infrastructures (SDI). Glenn obtained an MSc degree in Sociology and a MSc degree in the Management of Public Organizations. In June 2013 he obtained a PhD-degree on the topic of 'Coordination in the context of Spatial Data Infrastructures'. In his PhD research and related projects he explores how different coordination instruments and mechanisms can be used to coordinate the exchange of, the access to and to use of spatial data.

Glenn has experience in the use of both quantitative and qualitative research methods and tools, including survey research, in-depth interviewing, case study research and statistical data analysis. Since 2007, Glenn has been involved as principal investigator in several projects in the domains of space, earth observation and geospatial data in Europe, in which he mainly focused on data policies, the governance of spatial data infrastructures, SDI business & funding models and the integration of spatial data in digital government. In 2016, Glenn was awarded a Marie Skłodowska-Curie Research Fellowship for his research project on the governance of open geospatial data and data infrastructures. Glenn is one of the leading researchers in Europe on the policy and institutional aspects of Spatial Data Infrastructures. He provided support to the development and implementation of SDIs in many countries in the world, such as Belgium, Mozambique, Peru, Algeria, Morocco, Moldova, Romania, the Netherlands, Spain and Italy. In many of these countries, he contributed to the design and implementation of new business and fundings models and effective data sharing arrangements.