NORTHERN IRELAND

Geographic Information in Support of a Better World

AGI Northern Ireland Conference

23rd June 2022

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Start	Topic	Presenter
09.15	**Conference Registration and Networking**	
09.30	Welcome	Rico Santiago (Chair, AGI NI)
09.35	**Infrastructure**	
	NUAR - National Underground Asset Register	Dr Neil Brammall (Geospatial Commission)
	From Ghana to Malaysia via Kyrgyzstan – Creating Sustainable Digital Solutions for Geological Surveys	Nikki Smith (British Geological Survey)
	Platinum Sponsor Presentation	Phil McLaughlin (Esri Ireland)
10.15	**Lightning Talks**	
	Addressing the future with Unique Identifiers: The key to joining up data across Government	Dr Sara Stewart and Carrie Church (Ordnance Survey NI)
	GIS in Infrastructure: Using GIS to better understand roads and rivers	Thomas Neeson (Dept. for Infrastructure NI)
	Platinum Sponsor Presentation	Garrett Cronin (IMGS)
10.45	**Conference Break and Networking**	
11.00	**Technology**	
	Earth Observation and Machine Learning to support Cargo Port Analysis	Rita Malosti (Skytek Technology)
	Using Esri's Pretrained Deep Learning Models to Extract Features from Ortho Imagery on a National Scale	Eamonn Doyle and Jonathan Sloan (Esri Ireland)
	Platinum Sponsor Presentation	Mícheál Foley (Mallon Technology)
11.40	**Public Health**	
	Wastewater COVID work: SARS-CoV-2 wastewater surveillance using GIS in Northern Ireland	Dr Behnam Firoozi Nejad (Queen's University Belfast)
	SPACE: Geospatial factors in cognitive health outcomes	Shay Mullineaux (Queen's University Belfast)
	Platinum Sponsor Presentation	Daniel Warner (1Spatial)
	Platinum Sponsor Presentation	Tom Timms (Verisk)
12.20	**Conference Break and Networking**	
12.45	**Environment**	
	Solar Potential Map of Flanders	Jo Van Valckenborgh (Digital Flanders)
	Developing a Greenspace Layer for Northern Ireland	Dr Elizabeth Rogers (ORNI), Emma Taylor (ORNI) and John Hewitt (Geolytical)
	EU Fisheries Protection by the Irish Naval Service	Ciaran Kirk (IMGS)
13.35	Conference Close	Richard Duffield (Vice-Chair, AGI Council)

Welcome from the chair of the AGI Northern Ireland

Rico Santiago, Chair, AGI Northern Ireland

Welcome to the Association of Geographic Information Northern Ireland Conference 2022 – "Geographic Information in Support of a Better World." This year, AGI NI is exploring the diverse ways in which GI contributes to the improvement of society and the betterment of people's lives. At its simplest, GI is information about places and is often represented on a map as simple points, lines, and polygons. These basic geospatial building blocks are at the core of systems and solutions that address complex world problems. GI is at the forefront of technological innovation and is critical in the development of sustainable data infrastructures, the improvement of public health outcomes and the conservation and protection of the environment. This year's conference speakers will explore these topics and demonstrate how GI contributes to improving the world around us. That said, I want to thank all of you, our guests, speakers and sponsors, the NI and broader GI community, for participating at this event: welcome to your conference!

Rico Santiago

Rico Santiago is the Deputy Head of Business Development for the Ordnance Survey of Northern Ireland (OSNI) and has been Chair of the Association for Geographic Information Northern Ireland (AGI NI) since 2017. With remit over OSNI's Public Sector mapping support and consultancy, he strives to improve government services using geospatial information and technologies. As Chair of AGI NI, he is passionate about leveraging location data and information for the public good.

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NUAR, the National Underground Asset Register

Dr Neil Brammall, NUAR Product Owner

Across England, Wales and Northern Ireland the 4 million kilometers of underground assets are constantly being upgraded, mended and maintained. This is a vast undertaking and requires a long and detailed planning process to establish where buried pipes, cables and ducting currently sit. The process is not always effective however and up to 60,000 accidental strikes occur each year, with an annual cost to the UK economy of £2.4bn. The real cost though is worker safety.

Some accidental strikes are caused by insufficient, unclear or compromised data, not supplied in a usable, compatible or timely manner. This is why the Geospatial Commission (GC) is developing a swift, clear and effective tool for viewing that data, securely. The GC is working closely with Asset Owners and a number of partners to create a system which will revolutionise how Street Works projects are planned; speeding up the process, providing clarity and above all, enhancing worker safety.

Neil Brammall

Neil has worked in the utilities sector for over 20 years, creating and delivering geo-spatial software solutions focused on reducing the risk of damage to buried assets, and on improving the accuracy and quality of the data held about those assets. He is a two-time winner of the Geovation Innovation Challenge, and has provided independent expert advice to a number of utility data sharing initiatives in the UK over several years.

Neil is a Technical Advisor to the Geospatial Commission and Product Owner for the Build Phase of the “National Underground Asset Register” (NUAR) project which is driving the delivery of a comprehensive and secure data sharing platform for buried assets. As Product Owner, Neil provides technical leadership on the project and on the ongoing development of a harmonised data model for the domain.

He is hopeful that this initiative will be a game-changer for the industry and will revolutionise the approach to using geospatial data to promote safe and efficient working in the infrastructure sector. While robust technology is an enabler for the project, far more important has been the building of a community of engaged stakeholders with a common interest in improving their industry, underpinned by a spirit of Collaboration, Respect and Trust. This is ultimately what will make the NUAR project a success.

From Ghana to Malaysia via Kyrgyzstan – Creating Sustainable Digital Solutions for Geological Surveys

Nikki Smith, British Geological Survey

Digital transformation is complex, and a huge undertaking for poorly funded geological surveys, but the importance of accessible digital geological data can't be underestimated as we try to find solutions to, and mitigate for, the global challenges we face. Its vitally important that the work the BGS carries out, in partnership with overseas geological surveys, has sustainability at its core so that the digital solutions we suggest and co-design, alongside geological survey staff, are sustainable for the long term. In this presentation I will discuss some of the work we have carried out with geological surveys in developing countries and how we have tried to ensure that they can continue their own digital transformation agenda long after we have left.

Nikki Smith

Nikki is a Senior Digital Specialist within the International division of BGS and has a focus on working with international geological surveys as they aim to increase the use of their geospatial data. Nikki leads projects focused on providing digital solutions for both BGS staff as well looking to deliver generic, modular, extensible and expandable workflow solutions, with accompanying tools, to enable the full implementation of a digital workflow across an organisation. Nikki's overseas work has taken her from Europe to Africa to Central and SE Asia and she has been heavily involved in the BGS FCDO Partnerships for Development programme as well as the BGS Overseas Development Assistance programme. In addition, Nikki is the Secretary for the Association for Geographic Information – Scotland committee and collaborates with key people across the geospatial data community in Scotland to promote the use and value of geospatial data to all sectors of industry.

Platinum Sponsor Presentation - ESRI Ireland

Phil McLaughlin

Phil has been with Esri Ireland for nearly 10 years in Professional Services and Sales roles and has been working with GIS for almost 20 years. Feel free to say hello or to give him grief for his photo.

ESRI Ireland

Esri Ireland specialises in the application of geographic information systems, helping customers record where things happen and analyse why, with the aim of providing insight and helping them to make better decisions. As Esri's official point of presence in Ireland and Northern Ireland it has, since 2002, partnered with both the public and private sector to help them understand the impact of geography on their business.

Recognised as one of the Best Workplaces in Ireland for six consecutive years and Best Workplaces in Tech 2021, 2022, Esri Ireland is part of the Esri Global Network, a billion-dollar privately held software company with nearly 10,000 employees worldwide.

Our priority and focus have always been to support our users' important global and local work with a commitment to science, sustainability, and positive change. Using GIS technology, we help businesses and governments preserve and grow green space.

For over 50 years, we've been committed to the conservation of our planet and invested in solutions that help protect it and advocate for its care. We believe that technology and modern analytical tools help build climate action plans. Our goal is to create a sustainable future in support of a better world.
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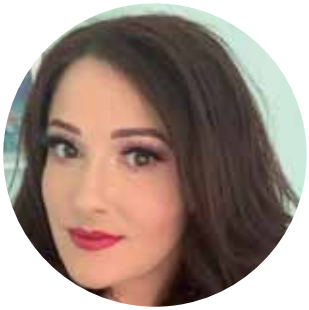

Addressing the future with Unique Identifiers: The key to joining up data across Government

Sara Stewart: Senior GIS Manager, OSNI, Land & Property Services
Carrie Church: Address Matching Team Manager, OSNI, Land & Property Services

Address data is a central aspect of our lives and to a functioning society as many public services rely on some form of address. Yet, the use of address data across Government is fragmented and many Departments have created their own address databases which vary in format, accuracy and consistency. This inevitably results in silos of information that cannot be joined up easily. OSNI's authoritative products, Pointer and OSNI Fusion, contain unique identifiers known as UPRNs and Fusion IDs which provide the key to joining up data across Government. This presentation will discuss how the use of these unique identifiers will enable us to "harness the full power of joined-up action" as outlined in our Programme for Government Framework, by ensuring data accuracy and currency, reducing data duplication, and simplifying data sharing in order to streamline processes, enhance service delivery, improve decision-making, and reduce barriers to cross-cutting initiatives to ensure better public services for all.

Sara Stewart

Sara is a Senior GIS Manager with over ten years of experience within the geospatial sector. She obtained her PhD in GIS and landscape archaeology from Queen's University Belfast and went on to work as a Postdoctoral Research Fellow, before joining OSNI as a GIS Specialist in 2014. Sara is currently a Senior GIS Manager within OSNI's Geospatial Systems branch and is the operational lead for the mapping strand of the Government Land and Property Asset Management Programme and as well as the recently formed Address Matching team who are working to promote the benefits, and encourage the use, of OSNI Fusion's unique identifiers and authoritative Pointer addressing, to help join up data across Government.

Carrie Church

Carrie is a GIS Manager with over five years' experience within the geospatial sector. She obtained her bachelor's degree in Computer Science and was introduced to GIS through a university placement. She went on to work for various private and public sector organisations, specialising in project management and the implementation of GIS applications within business. Carrie joined OSNI as a GIS Specialist in 2017, initially working within the Pointer team, and later the Government Land and Property Register (GLPR) team. As a result of Carrie's address matching work within the GLPR team and a separate project involving COVID Grant addressing alignment, the need to establish a dedicated address matching team became apparent. OSNI's Address Matching team was established in the summer of 2021, with Carrie taking on the role of manager.

GIS in Infrastructure: Using GIS to better understand roads and rivers

Thomas Neeson, Head of GIS in DfI

The presentation will showcase a variety of methods that DfI is using within GIS to understand how climate and road use is impacting on our critical infrastructure. The presentation will also show how 1 small application has made a big difference to how DfI works.

3 applications/pieces of work will be demonstrated. These are:

1. Rivers flood model
2. Road traffic collision analysis
3. Lands orthophotographic viewer

Thomas Neeson

Thomas has been the Head of GIS in the DfI for 2 years, having previously worked in software development and operations for 5 years. Thomas has been working in IT since 2006 and in the Northern Ireland Civil Service since 2000.

Platinum Sponsor Presentation IMGS

Garrett Cronin

At IMGS, Data intelligence and information is at the core of what we do. We provide solutions to automate data flows, visualise information and power data insights for a wide variety of customers including Local Authorities, Government Agencies, Utilities and Communication Organisations.

Our data solutions are built on our partner's technology platforms and serve the citizens of the island of Ireland every day, from managing water and electric networks to publishing key e-Government information through national portals. Through our market leading partners, Hexagon and Safe Software, we provide organisations with end-to-end solutions that drive operational and capital efficiencies and bridge the gap between the geospatial and operational worlds. The visualisation of spatial data can identify trends and provide data-driven insights that span a myriad of use cases across a variety of sectors.

For more information on IMGS, and how we can help your organisation, please visit www.imgs.ie, there you'll find case studies, webinars and video presentations from recent events.

Finally, if you would like to get in touch with us directly, please email info@imgs.ie.

Youtube: https://youtu.be/lZVrUstS9Yg

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Earth Observation and Machine Learning to support Cargo Port Analysis

Rita Malosti, Head of Space Activities, Skytek Technology Limited

Skytek has developed a Cargo Port Analysis tool within its existing REACT Platform. This tool provides information and insights about cargo and containers at ports terminals to address the challenges of increased exposure, mega ships, mega ports and climate change. The presentation will provide an overview of the tool and the technologies developed and deployed.

Rita Malosti

Rita has over 20 years of experience in operational services that make use of Earth Observation and Satellite Data technologies. This knowledge has been built over many years in different parts of the operational chain. This experience gives Rita the ability to understand the operations and service teams' needs fully, the challenges of the SW development teams and processes, and the pain points of the final users that need to gather intelligence from the data.

At Skytek, Rita is responsible for the Business Development activities for Space-related matters, supporting management, marketing and delivery teams with technical and strategic advice on opportunities, integrations and partner liaison. Rita supports the Design, Development and Delivery teams to scope, implement and deliver new solutions and products responding to market and users' needs by keeping full engagement with the customer and guaranteeing full alignment between users' demands, business needs, and priorities as well as technology advancements.

Rita's career started over 20 years ago in ESA ESRIN, where she supported the European Space Agency in the activities around the exploitation of their EO data fleet, ERS and ENVISAT and the initial Earth Explorer Missions. In 2010, she moved to Airbus Defence and Space-based in the UK to manage the operations of the Copernicus Space Component on behalf of ESA. During the performance of this role, Rita has gathered a comprehensive understanding of the stringent requirements of operational services, including Copernicus Emergency services. Prior to joining Skytek at the beginning of 2021, her latest role in Airbus was to head the Satellite and Ground Segment Operations for the UK satellites' fleet operation, working with different parts of the overall Airbus group, including Surrey Satellite Technology Limited (SSTL).

Rita is passionate about how Earth Observation can help everyday life on Earth and is a STEM ambassador to increase interest and awareness of possible Science careers among young people.

Using Esri's Pretrained Deep Learning Models to Extract Features from Ortho Imagery on a National Scale.

Eamonn Doyle, Chief Technology Officer for Esri Ireland
Jonathan Sloan, Solution Architect at Esri Ireland

We at Esri have made rapid advances with the integration of Deep Learning into ArcGIS. Deep learning is one type of machine learning that is becoming very good at extracting patterns from highly unstructured data like voice, images, and text. We support five major machine learning Use Cases in ArcGIS. The first one is about Extracting Features from imagery and lidar. Examples include detecting building footprints from satellite imagery, and detecting assets from lidar. The second pattern is about Making Predictions, like predicting disease propagation or vehicle crash risk or water main failures—in short, predicting geospatial events. The third pattern involves finding patterns and clusters in data that are challenging to extract visually. The fourth pattern helps you detect anomalies and outliers. And the fifth pattern is about extracting insights from unstructured text (like crime reports) and bringing this data to ArcGIS to do spatial analysis.

We have created and made freely available pre-trained models for some common tasks like building footprint extraction and land cover classification. This paper will explore some work currently under way with these pre-trained models.

Eamonn Doyle

Eamonn has worked with numerous organizations across Northern Ireland to help them realize the powerful social, environmental and economic benefits of GIS.

Jonathan Sloan

Jonathan is a Solution Architect at Esri Ireland with over 30 years of experience the industry.

Platinum Sponsor Presentation - Mallon Technology

Mícheál Foley

Mícheál has worked in the field of GIS and Earth Observations since 2013. Originally his research examined the climatological effects of urban heat islands within urban areas, but over the past five years the focus of his research has shifted towards agriculture. Currently he works on the use of EO data to detect crop types within the Irish landscape.

Mallon Technology

A mapped future is a more secure future. At Mallon, we use our GIS, mapping, consultancy and support services to enable you to see more from a higher level. This allows you to plan with confidence and stretch ambition further.

Our world leading GIS Services assist the public and private sectors to integrate, analyse and visualise their location data for strategic decision making. While our web-GIS platform, Azimap, is helping to transform the way Local Authorities access, consume and analyse their data by providing desktop GIS functionalities on the web.

Talk to Mallon at the AGI-NI annual conference to see how you can get closer, act sooner and stay ahead. With Azimap and our unrivalled GIS expertise and experience, we can help to bring success closer. Experience any of our products and services for your self by arranging a demonstration with any of our colleagues at the conference.

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Wastewater COVID work: SARS-CoV-2 wastewater surveillance using GIS in Northern Ireland.

Behnam Firoozi Nejad, Research fellow, School of Natural and Built Environment, Centre for GIS and Geomatics, Queen's University Belfast.

As SARS-CoV-2 is shed in high levels in faeces, wastewater testing has the potential to become a complementary, early-warning strategy for future 'hot-spot' outbreaks of Covid 19, aiding governmental decision making around future infection prevention/control policies.

Researchers at Queen's University Belfast have developed an integrated GIS wastewater SARS-CoV-2 surveillance programme which employs standardised viral wastewater testing protocols. The development of a GIS Reporting Tool enables integration of public health data with environmental surveillance for the community monitoring of SARS-CoV-2 levels.

Behnam Firoozi Nejad

Behnam Firoozi Nejad has a PhD, MSc, and BSc, and is a GIS and remote sensing consultant and Geodata scientist with >8 years' experience providing thorough and skilled support to both private and public projects.

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SPACE: Geospatial factors in cognitive health outcomes

Shay Mullineaux, Postdoctoral Research Assistant, Queen's University Belfast

All over the world, people are living longer, and dementia and cognitive impairment are becoming ever more present public health issues in society. Within SPACE, we want to elucidate how where we live, both in terms of our local environment, and social connectivity, affect dementia and cognitive health outcomes. Further, as more people live in urban areas, potential for exposure to urban pollutants has only increased. A range of GIS and statistical approaches will be applied to the existing NICOLA cohort (Waves 1+2) to understand how environmental characteristics and lifestyle factors affect cognitive health and 'unlock the power of location'.

Shay Mullineaux

My work contributes to Work Package 2 of the SPACE project, using a range of GIS and statistical approaches, to aid in understanding the role the environment plays in brain and cognitive health outcomes in the NICOLA cohort data (Wave 1 + 2). My research focuses on developing experimental and statistical approaches to elucidate the mechanisms underlying ecotoxicological and environmental change and applications for environmental management and public health.

Twitter: @MullineauxShay

Platinum Sponsor Presentation - 1Spatial

Daniel Warner, Head of Government and Land Management

Dan trained and worked as a cartographer before moving to 1Spatial in 1997. During his time Dan has worked across the business in a number of senior roles including the head of Project Management, Development and Commercial Management. Dan is now part of 1Spatial's Senior Management Team with a responsibility for the Government and Land Management vertical.

1Spatial

1Spatial is delighted to be a Platinum Sponsor of the AGI Northern Ireland Conference on 23rd June.

Dan Warner, our Head of Government and Land Management, is available at the event to discuss how location data is used to make critical business decisions.

Location data is helping to improve responses to the great challenges we now face such as climate change, while also enhancing the planning and delivery of more immediate projects related to infrastructure, planning, property, transport, environment, defence and emergency services. Join us at AGI Northern Ireland to hear how 1Spatial builds the data foundations that enable our clients to gain the insight and make the critical decisions to address these challenges.

We look forward to seeing you there,

The 1Spatial Team

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Platinum Sponsor Presentation - Verisk

Tom Timms

Verisk 3D Visual Intelligence UK

Verisk are delighted to continue to support AGI Northern Ireland by sponsoring the 2022 annual conference.

Verisk 3D Visual Intelligence (3DVI) is the new name of Geomni (The GeoInformation Group) that was acquired by Verisk in 2016. Verisk provide expert data-driven analytic insights that help business, people, and societies become stronger, more resilient, and sustainable. Since January this year all business units now share Verisk's brand, vision, and identity. Our new name highlights the the richness and 3-dimensional characteristics of our data and services.

Verisk 3DVI UK harnesses mapping and geospatial data analytics to provide land and property insights to industries, including insurance, emergency services, government, utilities, telecom network operators, finance, and real estate.

Reliable insight on property and land use can improve decision making and speed up processes. For example, for organisations assessing the value or risk associated with a building or delivering a service, having access to accurate geospatial data can enable you to identify business opportunities or improve service delivery, while understanding land use simplifies project and development planning.

Visit our new website www.verisk3dvi.co.uk, contact us, or join in the conversation on LinkedIn https://www.linkedin.com/company/verisk3dviuk

We look forward to virtually meeting you at the event to discuss the challenges that we all face and learn more about what Northern Ireland can offer the world and what the world can offer Northern Ireland.

Linkedin: https://www.linkedin.com/company/verisk3dviuk
www.verisk3dvi.co.uk

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Solar Potential Map of Flanders (Digital Flanders / Flemish Energy and Climate Agency)

Jo Van Valckenborgh, Program manager EODaS, Digital Flanders

The originator of the Solar Map was the Flemish Energy and Climate Agency (VEKA), which launched a collaboration with Digital Flanders and VITO (the Flemish Institute for Technological Research). In Flanders we are aware of all the locations of homes thanks to the Large-Scale Reference dataset. In the period 2013-2015 a number of flights were organized with laser detection equipment on board in order to measure the height of all buildings and other landscape elements. The information, linked with measurements taken by the Royal Meteorological Institute of Belgium (KMI), was used to model the annual solar irradiation for each roof.

https://energiesparen.be/zonnekaart

Jo Van Valckenborgh

Jo Van Valckenborgh holds an M.Sc. (1988) in Bioscience Engineering, Forest and Nature Management and M.A. in Landscape Design (1990). He is Program Manager of the unit 'Earth Observation Data Science (EODaS)' within Digital Flanders. The mission of the agency Digital Flanders is to develop a coherent, government-wide information policy and to support and help to succeed the transition of the Government of Flanders into an information-driven administration. The focus of the EODaS team is to integrate airborne and spaceborne remote sensing in the operational monitoring and enforcement workflows of the Flemish Governmental Administrations, like the solar map for VEKA.

Developing a Greenspace Layer for Northern Ireland

Dr Elizabeth Rogers, **Emma Taylor** and **John Hewitt**.

The greenspace layer for Northern Ireland is the first authoritative map of all publicly accessible greenspace and off-road trails. This presentation will focus on the development of this new resource.

Dr Elizabeth Rogers, Project Officer, Outdoor Recreation Northern Ireland
Elizabeth works for Outdoor Recreation Northern Ireland (ORNI) and leads in developing training and best practice initiatives for the sector. Elizabeth performs a key Secretariat role for the Outdoor Recreation Network and Visitor Safety Group (both UK and Ireland wide). In addition, Elizabeth plans and executes all of ORNI's best practice training initiatives. Elizabeth brought an extensive research background to the team and therefore delivers several key projects to identify and measure the benefits of outdoor recreation. This includes overseeing all research projects such as the People in the Outdoors Monitor for Northern Ireland (POMNI) and the Accessible Natural Spaces map for Northern Ireland, currently under development. Outside work, Elizabeth enjoys findings new walks with the family dog and taking their little jeep and roof tent for weekend breaks to enjoy beaches, hills, and mountains further afield.

Emma Taylor, GIS Technician, Outdoor Recreation Northern Ireland
Emma is a key member of the Greenspace Layer project team delivering Northern Ireland's first authoritative map of all publicly accessible greenspace and off-road trails. As well as using her GIS skills, Emma liaises with government departments and agencies, Councils, and eNGOs to refine and verify data before it is imported into the Greenspace Layer. When published, the map will be available on OutmoreNI, SpatialNI and OpenDataNI.

John Hewitt, GIS Architect, Geolytical Ltd
John is an independent GIS Consultant with over 20 years' experience in GeoSpatial consulting roles within central government, local government and the private sector. Most recently, John developed a GIS Strategy for the Department of Agriculture, Environment and Rural Affairs (DAERA) in his role as GIS Architect within DAERA's Enterprise Architecture Group. John has also recently developed a GIS Strategy for Outdoor Recreation Northern Ireland (ORNI) and has been working on various strands of that strategy, in particular the development of the Greenspace mapping layer for NI.
https://linkedin.com/in/john-hewitt-frgs-5417385

EU Fisheries Protection by the Irish Naval Service

Ciaran Kirk, IMGS

The EU common fisheries policy sets the rules for managing European fishing fleets and for the conservation of fish stocks. In the Republic of Ireland the Irish Naval Service are responsible for the enforcing of this policy in Irish Waters.

This presentation from Ciaran Kirk of IMGS will outline how the Irish Naval Service are using Hexagon M.App Enterprise to analyse live fishing vessel information both on shore and on Naval Vessels to enforce these policies.

Closing remarks

Richard Duffield, Vice Chair AGI, Head of Customer Insights, Geoplace LLP

Richard is a data expert specialising in location, with a love for building high-impact products and services. Working within the GI community for 13 years, he's helped to take the national gazetteers from concept to an integral part of our national data infrastructure. Richard brings broad experience across the GI discipline and the industry sectors we serve – and has enjoyed being a member of the AGI since the start of his career.

About AGI Northern Ireland

AGI Northern Ireland (AGI NI) was officially launched in 2002 to help raise awareness of geographic information and to encourage data and knowledge sharing.

Over the years, our mission has developed to reflect the changing industry, society and environment around us by actively supporting a sustainable future for our geospatial community.

Since our formation, we have established strong partnerships with public and private sector organisations locally as well as further afield. Along with the support of our partners, AGI NI has representation on the AGI Council which helps steer the direction of the Association and the support it offers to Northern Ireland

Twitter: @NI_AGI
www.agi.org.uk/agi-northern-ireland/

Join AGI

Our membership structure is designed to ensure maximum benefit and opportunity across the profession.

Any individual can join as a Network Member for free and access basic benefits or join as a Professional Member to enjoy the full range of benefits.

Any organisation can join as an Associate member to raise their business profile, make connections that will support business growth and provide access to Professional Member benefits for their employees.

If you are a Start-Up you are entitled to a 75% discount on the Associate Membership in year one - email info@agi.org.uk for your discount code.

Partner Members contribute with strategic insight helping us shape the future while supporting our ability to nurture the next generation of geospatial professionals.

We also offer Affiliate Membership - this applies to an umbrella body representing a group of organisations. If you would like to discuss Affiliate Membership please email info@agi.org.uk.

https://www.agi.org.uk/membership-levels/

The AGI NI 2022 Conference is supported by