

IEOS 2023 - 30th November 2023			
8:00-8:55	REGISTRATION • COFFEE		
	Plenary Room - Barrington Room	Speaker/Chair	
9:00-9:15	Welcome from Organisers D.McInerney, K.Byrne, B.Macgabhan, P.Aplin		
Session 1 (A) Plenary	EO Data Infrastructures & Systems - Plenary Room - O'Brien Suite	Chair: Dr. John Connolly, TCD	
9:15 - 9:30	Multi-functional EO capabilities of Digital Terrain-AI Platform A. Magee, G. Misra, P. Lewis, L. Osullivan, S. Keogh, P. Mooney, M.Nurissa, T. McCarthy, R. Fealy	Aidan Magee University of Maynooth	
9:30 - 9:45	Earth Observation DataCube for Ireland J. Hanafin, A. McKinstry, F. Cawkwell, G. Serbin, P.P. Subrahmanya, M. Fernandez	Jenny Hanafin, ICHEC	
9:45 - 10:00	Earth Observation Data Collection, Use and publication as Open Data in the OPW V. Hussey, R. McDonnell, E. Bridge, P. Hennelly and J. Comer	Vincent Hussey, The Office of Public Works (OPW)	
10:00 - 10:15	ESA Earth Observation research and commercialisation programmes N. Bolger	Niall Bolger, Enterprise Ireland	
10:15 - 10:30	National LIDAR T. McCarthy, D. McInerney, J. Connolly, S. Green, K. Verbruggen, J. Cudden, C. Bray, R. Fealy, H. Mangan, X., Monteys	Tim McCarthy, Maynooth University	
10:30 - 11:00	COFFEE BREAK • POSTER VIEWING		
Session 2 (B) Plenary	Monitoring Biodiversity & the Environment - Plenary - Barrington Room	Dr. Hrish Ballal, GeoDesignHub	
11:00 - 11:30	KEYNOTE: Knocking information theory out of the park: new measures of spectral diversity from space D. Rocchini	Duccio Rocchini, University of Bologna, Italy	
11:30 - 11:45	The Area Monitoring System - Use of Earth Observation in determining compliance with CAP schemes R. O'Loughlin	Rob O'Loughlin, Compass Informatics	
11:45 - 12:00	From Prototype to Operational Service: Expansion and Upgrade of EU Grassland Watch G. Smith, S. Kleeschulte, T. Soukup, A. Telletxea, S. Ourevitch, R. van der Kerchove, H. Gallau, B. Herrero, L. Tranvik, L. Halada, and B. Combal	Geoff Smith, Specto Natura	
12:00 - 12:15	Detection of hedgerows using CAMEO platform E. Baykiev	Eldar Baykiev, Compass Informatics	
12:15 - 12:30	Monitoring Biodiversity in Agricultural Supply Chains - A case study in Irish Dairy C. White	Cian White, TCD	
12:30 - 12:45	BeachMark: a Sentinel-2 derived waterlines benchmark dataset for coastal monitoring applications Y. Castillo-Campo, X. Monteys, A. Laure Beck and C. Cahalane	Yeray Castillo-Campo, Maynooth University	
12:45 - 13:45	LUNCH • POSTER VIEWING		
	Parallel session 3 (C1) - Barrington Room Forestry & Land-Use	Chair: Dr. Breandan MacGabhann, Applications Using SAR Data	Parallel session 4 (C2) - Pery Room Applications Using SAR Data
13:45 - 14:00	Monitoring supply chain deforestation risk globally with EO data J. Torres-Battilo, A. Melchiorre, A. Prins, E. DeLancey, S. Sanfey	Juan Torres-Battilo, NGIS EU	Detection of grazing using Sentinel-1 derived 2D signals E. Baykiev
14:00 - 14:15	Development of the DAFM National Woody Vegetation Map using high-resolution imagery M. O'Connor, M. Foley, R. O'Hara, J. Craddock, D. McGovern, S. Molloy	Michael O'Connor, Mallon Technology	Mapping Past Flood Events with Sentinel-1, Copernicus Derived Products and Open-Access Spatial Datasets P. Coogan, Z. Ferch, S. McGlynn, C. O'Kelly
14:15 - 14:30	Spatial quantification of greenhouse gas emissions resulting from conversion of peat swamp forest to oil palm plantation in SE Asia Paul Aplin	Paul Aplin, MIC	SAR & InSAR application on temperate raised peatlands: new insights on links between remote sensing estimates and ecohydrological parameters A. Hrysiwicz, E.P. Holohan, S. Donohue, C.D. Evans, J. Williamson, S. Regan, A. Jonay Jovani-Sancho, N. Callaghan, J. White, J. Lyons, J. Kowalska, H. (Alexis Hrysiwicz, UCD
14:30 - 14:45	Role of EO in National land use policy S. Green	Stuart Green, Teagasc	Evaluation of using Sentinel-1 time series data to identify bare soil fields that do not grow winter cover crop Mohana Priya Logakrishnan, Jesko Zimmermann, Stuart Green
14:45 - 15:00	Forest EO Program in Coillte - current status and next developments. D. McInerney, J.P. Pereira, R. O'Shea, S. Fitzpatrick, K. Burke, L. Malone	Daniel McInerney, Coillte	Remote Assessment of Geotechnical Slope Stability with InSAR: Challenges and Solutions S. Azadnejad, A. Hrysiwicz, F. O'Loughlin, H. Eoghan, S. Donohue
15:00 - 15:30	COFFEE BREAK • POSTER VIEWING - Room		
	Parallel session 5 (D1) - Barrington Room Urban & Built Environment	Chair: Mr. Niall Bolger	Parallel session 6 (D2) - Pery Room UAV based applications
15:30 - 15:45	Urban Sprawl Computation toolkit with EO Data H. Ballal	Hrishikesh Ballal, Geodesignhub	Multiscale Observations of Species Richness across Irish Semi-Natural Grasslands Samuel Hayes, Fiona Cawkwell, Oliver Lynch Milner, Karen L Bacon, Eoin Halpin & Astrid Wingler
15:45 - 16:00	Artificial Surface Detection from Sentinel data R. Marciniak, G. Serbin, C. McCoy	Rafal Marciniak, Mallon Technology	UAV-based multispectral mapping for discriminating fire-damage levels in a peatland R.S. de Lima, F. Cawkwell, K. Sepp
16:00 - 16:15	Identification of Potential Sites for a Multi-Purpose Dam Using a Dam Suitability Stream Model Z. Shao, Z. Jahangir, A. Rahman, S. Mahmood	Muhammad Yasir Qazi, MIC	Combined UAV Photogrammetry, Lidar and Radiometric Surveys of Rath Bog, Co Wicklow Q. Crowley, P. Casey, M. Mousavi Aghdam
16:15 - 16:30	The Use of Earth Observation and Machine Learning for Industrial and Waste Crime Identification and Prevention Z. Ferch, S. Coughlan, C. O'Kelly, S. McGlynn	Zane Ferch, TechWorks Marine	Sky wars: mobbing in Columba livia domestica towards drones in Puerto Deseado, Argentina E. Padulosi, Scaravelli, D. Eugenia de San Pedro, M., Pastrana, S., Diaz, F., Procopio, D.
16:30 - 16:45	Comparative Assessment of Land Use and Land Cover with Landsat and Sentinel-2 Data using Passive Image Classification M. Saddiqi, R. Kaan Dereli	Matin Saddiqi, UCD	Optimizing Land Cover Classification Accuracy in Hyperspectral Imagery Using Advanced Image Fusion Techniques P. Sajadi, M. Gholamnia, S. Bonafoni, D. Nguyen, G. Mills, F. Pili
16:45 - 17:00	Wrap Up & Closing Session		CLOSE
17:00 - 18:00	Drinks Reception Sponsored by Compass Informatics		

