

Digital and AI Uses and Opportunities in EIA

The workshop aims to bring together diverse experiences to identify opportunities and roadblocks to better use digital tools and AI as an industry.

- 1) Best use cases in the EIA industry
- 2) Areas of Opportunity across the industry

All outputs of this workshop and pre-survey will be shared with conference attendees via email.

WORKSHOP LEADS



Chris Brodie

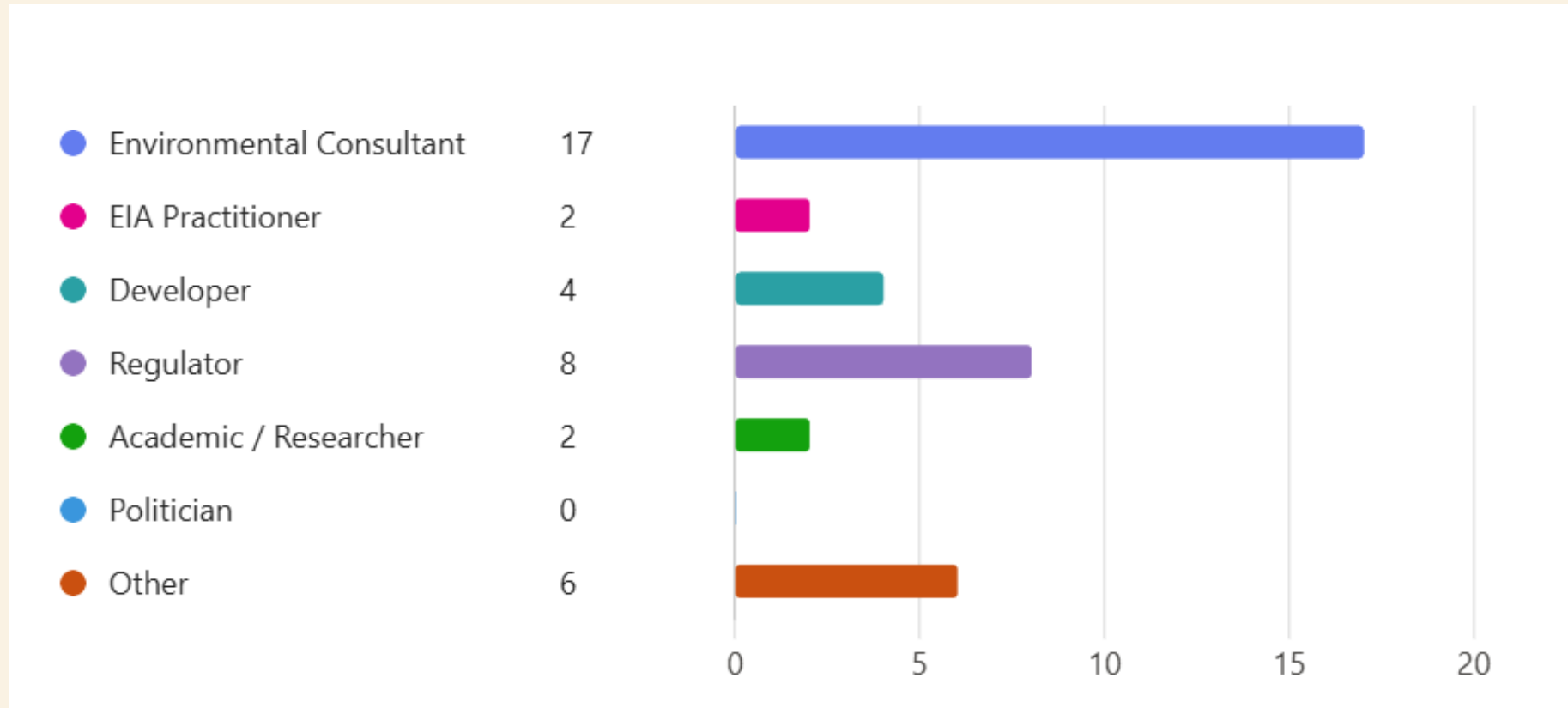
Senior Environmental Data Analyst



Rebecca McClenaghan

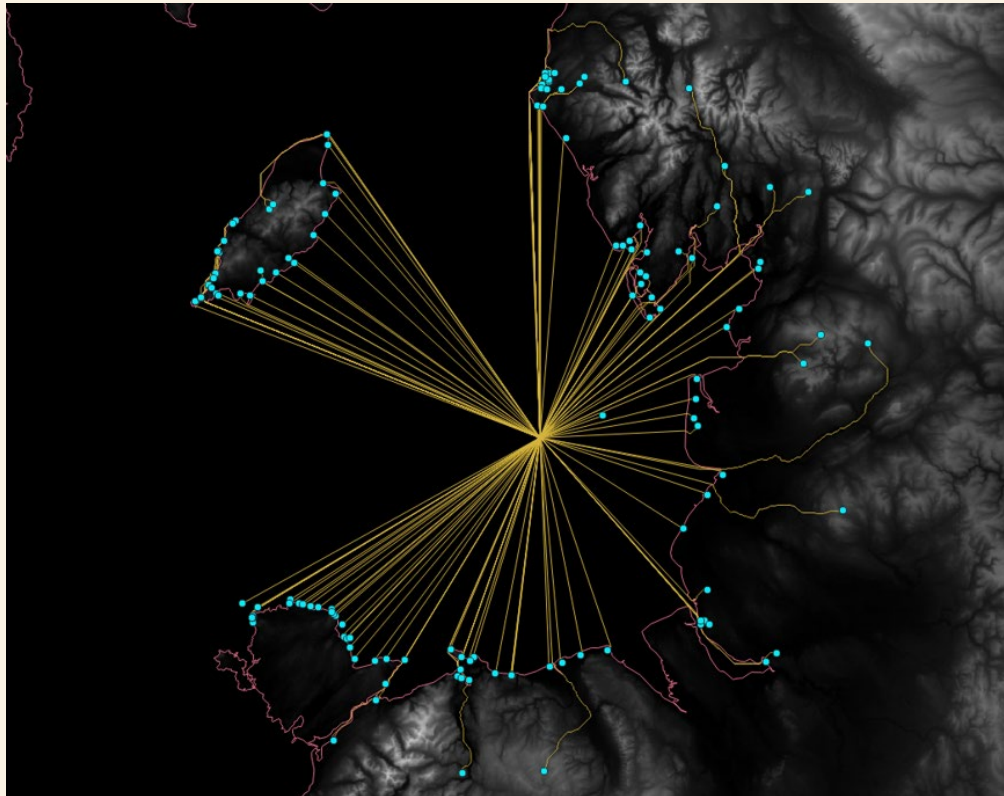
Associate Technical Director

Broad range of experience in the room



* Based on 39 people that answered the pre-survey

Activity 1: What are the best use cases of digital and AI tools you've seen ?



Spatial Screening Tool

Upload a spatial dataset ZIP and screen it against a drawn or uploaded AOI.

1. Screening Dataset

Upload Screening Dataset ZIP

Browse... Envirocheck_Data.zip

Upload complete

Dataset Summary

OUTPUT

EXCEL OUTPUT

1	2	3	4	5	6	7	8	9	10
record_id	source_category	source_provider	source_name	source_layer	geometry	distance_to_aoi_m	distance_to_aoi_ft	relationship_to_aoi	select
27	8126 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	71.7 <500m	Within 500m	within_b1	
28	23697 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	71.7 <500m	Within 500m	within_b1	
29	4519 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	93.4 <500m	Within 500m	within_b1	
30	20090 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	93.4 <500m	Within 500m	within_b1	
31	3881 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	119.6 <500m	Within 500m	within_b1	
32	11898 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	119.6 <500m	Within 500m	within_b1	
33	25452 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	119.6 <500m	Within 500m	within_b1	
34	27469 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	119.6 <500m	Within 500m	within_b1	
35	5443 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	160.8 <500m	Within 500m	within_b1	
36	23014 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	160.8 <500m	Within 500m	within_b1	
37	29830 Environmental	NatureScot	Sand_Dune_Vegetation_Survey_of_Scotland	Environmental_NatureScot_Sand_Dune_Vegetation_Survey_of_Scot	POLYGON	160.8 <500m	Within 500m	within_b1	
38	10038 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	201.5 <500m	Within 500m	within_b1	
39	12052 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	201.5 <500m	Within 500m	within_b1	
40	25069 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	201.5 <500m	Within 500m	within_b1	
41	27623 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	201.5 <500m	Within 500m	within_b1	
42	9880 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	207.3 <500m	Within 500m	within_b1	
43	11897 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	207.3 <500m	Within 500m	within_b1	
44	25451 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	207.3 <500m	Within 500m	within_b1	
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46	18022 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	217.3 <500m	Within 500m	within_b1	
47	12012 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	217.3 <500m	Within 500m	within_b1	
48	25593 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	217.3 <500m	Within 500m	within_b1	
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50	9883 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	224.6 <500m	Within 500m	within_b1	
51	11900 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	224.6 <500m	Within 500m	within_b1	
52	25454 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	224.6 <500m	Within 500m	within_b1	
53	27471 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	224.6 <500m	Within 500m	within_b1	
54	6461 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	256.8 <500m	Within 500m	within_b1	
55	22032 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	256.8 <500m	Within 500m	within_b1	
56	16194 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	291.6 <500m	Within 500m	within_b1	
57	12041 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	286.7 <500m	Within 500m	within_b1	
58	25601 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	286.7 <500m	Within 500m	within_b1	
59	27612 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	286.7 <500m	Within 500m	within_b1	
60	623 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	291.6 <500m	Within 500m	within_b1	
61	16194 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	291.6 <500m	Within 500m	within_b1	
62	621 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	296.7 <500m	Within 500m	within_b1	
63	16192 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	296.7 <500m	Within 500m	within_b1	
64	7779 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	298.7 <500m	Within 500m	within_b1	
65	23350 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	298.7 <500m	Within 500m	within_b1	
66	7682 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	300.4 <500m	Within 500m	within_b1	
67	23253 Environmental	NatureScot	Habitat_Map_of_Scotland_Query	Environmental_NatureScot_Habitat_Map_of_Scotland_Query	MULTIPOINT	300.4 <500m	Within 500m	within_b1	
68	10018 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	304.2 <500m	Within 500m	within_b1	
69	12028 Environmental	NatureScot	Habitat_Map_of_Scotland	Environmental_NatureScot_Habitat_Map_of_Scotland	MULTIPOINT	304.2 <500m	Within 500m	within_b1	

Activity 1: What are the best use cases of digital and AI tools you've seen ?

1. Find someone you don't know and form groups (maximum 5 people)
2. Discuss use cases of digital tools or AI tools in EIA that you have seen to work
3. Identify someone who will share on behalf of your group

Activity 2: Where are the Opportunities?

- Where are the greatest opportunities for digital tools and AI for our industry over the next few years. (You could look broader than EIA for inspiration)
- Identify someone who will share on behalf of your group

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Let's continue the discussions during the rest of the conference!

(At least after lunch)

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WORKSHOP LEADS



Chris Brodie

Senior Environmental Data Analyst



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Associate Technical Director