LOW IMPACT EXPLORATION

PLAYFAIR RKV PROJECT

WHY EXPLORATION?

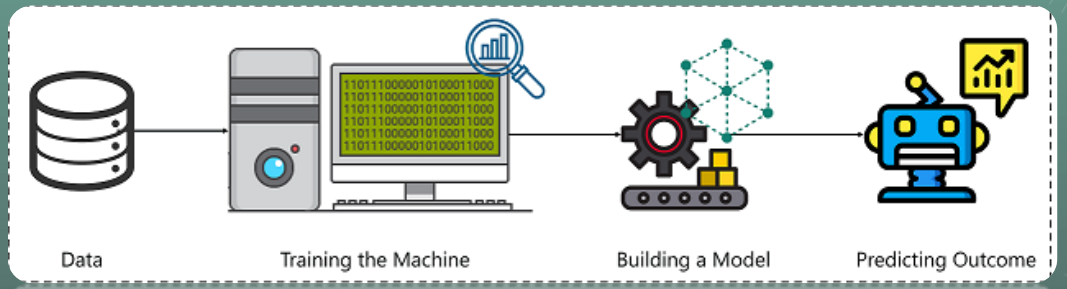
- Minerals are needed for clean technologies
- Information is needed to inform decisions
- Natural environment requires protection
- New methods allow responsible low impact exploration

LOW IMPACT EXPLORATION

- Artificial Intelligence
- Soil Sampling
- Magnetic Measurement
- Rock Sampling

PHASE 1
ARTIFICIAL INTELLIGENCE

- Non-invasive
- Uses existing data
- 30,000 hectares examined
- 26 areas showed high similarity to known mineral occurrences



PHASE 2
MOBILE METAL ION SOIL GEOCHEMISTRY

- Minimal environmental impact
- No off-road driving
- 1,893 soil samples taken from small shallow pits
- Pits refilled
- Samples analysed for 53 elements

PHASE 3
DRONE MAGNETIC SURVEY

- Non-invasive
- No off-road driving
- The Earth’s magnetic field was measured and recorded in 6 areas
- An unmanned drone carried the measuring and recording equipment

PHASE 4
SCOUT DRILLING

- Low environmental impact
- No off-road driving
- 7 areas totalling 77 hectares have been selected for scout drilling
- Equipment will be disassembled and hand-carried to sampling locations

LOW IMPACT EXPLORATION

- Playfair recently drilled in the Republic of Ireland within a EU Special Area of Conservation (Natura 2000)
- A track mounted drill was used
- No environmental issues were caused

THE ROAD TO A CLEANER ENVIRONMENT INCLUDES ELECTRIC VEHICLES
ELECTRIC VEHICLES NEED COPPER, NICKEL, AND COBALT
THERE IS NO GREEN FUTURE WITHOUT MINERALS

THANK YOU!

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