

## Remote Sensing in Environmental Management

*London (UK)*

*10 - 14 March 2025*

UK Training

# PARTNER



# Remote Sensing in Environmental Management

Code: NC28 From: 10 - 14 March 2025 City: London (UK) Fees: 5200 Pound

## Introduction

The Advanced Remote Sensing in Environmental Management course is designed to provide participants with a comprehensive understanding of the most modern and advanced remote sensing techniques used in environmental management. The course will cover a wide range of topics, including data acquisition, image processing, and analysis, as well as the application of remote sensing in various environmental management tasks. Participants will gain hands-on experience through practical exercises and case studies, enabling them to apply their knowledge effectively in real-world scenarios.

## Course Objectives

- To introduce participants to advanced remote sensing concepts and techniques in the context of environmental management.
- To provide participants with a comprehensive understanding of data acquisition methods and satellite imagery.
- To familiarize participants with advanced image processing and analysis techniques for extracting environmental information.
- To explore the application of remote sensing in environmental monitoring, land cover classification, change detection, and other relevant tasks.
- To equip participants with the skills to interpret and integrate remote sensing data with other geospatial information for effective environmental management.

## Course Outline

### Day 1

#### Introduction to Remote Sensing in Environmental Management

- Overview of remote sensing principles and technologies
- Role and significance of remote sensing in environmental management
- Types of remote sensing platforms satellites, drones, etc. and sensors
- Introduction to key remote sensing data sources and products

### Day 2

#### Remote Sensing Data Acquisition and Preprocessing

- Data acquisition methods and sources satellite imagery, aerial photography, LiDAR, etc.
- Data preprocessing techniques radiometric and geometric corrections, atmospheric correction, etc.
- Hands-on exercises on data acquisition and preprocessing



### Day 3

#### Image Processing and Analysis Techniques

- Image enhancement and display techniques
- Image classification methods supervised, unsupervised, object-based, etc.
- Change detection and time-series analysis
- Practical exercises on image processing and analysis

### Day 4

#### Application of Remote Sensing in Environmental Monitoring

- Land cover and land use mapping
- Vegetation monitoring and assessment
- Water quality and coastal zone management
- Case studies and practical applications

### Day 5

#### Integration and Interpretation of Remote Sensing Data

- Integration of remote sensing data with GIS and other geospatial information
- Interpretation and analysis of remote sensing results
- Effective communication of remote sensing information for decision-making
- Final project or case study presentation





# Blackbird Training Cities

## Europe



Podgorica (Montenegro)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)  
(Switzerland)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

## USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami(USA)



New York (USA)



Toronto (Canada)



## Blackbird Training Cities

### Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia )



Bangkok (Tailand)



Beijing (China)



Moscow (Russia )  
(Malaysia)



Singapore (Singapore )



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

### Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



UK Training  
**PARTNER**





## Blackbird Training Categories

### Management & Admin

Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Refinement

### Technical Courses

Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



 International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom

 +44 7401 1773 35  
+44 7480 775526

 [Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)

 [www.blackbird-training.com](http://www.blackbird-training.com)

