

COSTPCBCA11.2

Analyse changes in the environment in planning and conservation



Overview

In a Planning context this unit concerns the analysis of changes in different aspects of the environment as a basis for developing policy options and choosing the most appropriate one.

In a Conservation context this unit requires an appreciation of the social, cultural, political, aesthetic, economic, and environmental values that underpin conservation policy and practice, a full knowledge of currently prevailing national and international principles and philosophies of conservation including guidelines adopted by ICOMOS, BSI, and other recognised bodies.

You will need to identify key environmental factors and analyse significant relationships and trends

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Performance criteria

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You must be able to:

- P1 clarify those aspects of the **environment** which are to be monitored and reviewed for changes
- P2 apply the selected **techniques for data gathering and analysis**
- P3 collect reliable data regularly, check it for accuracy and summarise it
- P4 evaluate data realistically and draw justifiable conclusions about changing and emerging trends in the **environment**
- P5 compare the positive and negative effects of existing **policies, legislation and operations** and identify those which are having a significant impact on the **environment** for priority attention
- P6 compare trends in the **environment** which have been identified against **policies, legislation and operations** which are both existing and anticipated
- P7 identify those trends which are likely to produce requirements for changes in **policies, operations and legislation**
- P8 **present** findings about aspects of the **environment** in a suitable format and justify them to **decision makers**

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Knowledge and understanding

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You need to know and understand:

- K1 how to clarify as those aspects of the **environment** which are to be monitored and reviewed for changes (understanding)
- K2 how and why to compare trends in the **environment** which have been identified against **policies, legislation and operations** which are both existing and anticipated (synthesis)
- K3 how and why to evaluate data realistically and draw justifiable conclusions about changing and emerging trends in the **environment** (evaluation)
- K4 how to collect, check and summarise data (application)
- K5 how to apply the selected **techniques for data gathering and analysis** (application)
- K6 how to identify the positive and negative effects of existing **policies, legislation and operations** for priority attention (understanding)
- K7 how and why to compare those **policies, legislation and operations** which are having a significant impact on the **environment** (synthesis)
- K8 how to identify those trends which are likely to produce requirements for changes in **policies, legislation and operations** (understanding)
- K9 how to **present** findings about aspects of the **environment** (application)
- K10 how and why to justify findings about aspects of the **environment** to **decision makers** (evaluation)

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Scope/Range

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- 1 Environment:**
 - 1.1 natural environment & resources
 - 1.2 built environment
 - 1.3 social and economic
 - 1.4 transport processes, technologies and management
 - 1.5 heritage
- 2 Techniques for data gathering and analysis:**
 - 2.1 scientific and technical investigation
 - 2.2 financial analysis
 - 2.3 historical analysis
 - 2.4 document search
 - 2.5 opinion research
 - 2.6 use of expert witnesses
 - 2.7 public meetings
 - 2.8 use of consultants
 - 2.9 consultations
 - 2.10 community engagement
- 3 Policies, legislation and operations:**
 - 3.1 European
 - 3.2 National
 - 3.3 local
 - 3.4 organisational
- 4 Present:**
 - 4.1 oral
 - 4.2 written
 - 4.3 graphic
 - 4.4 using IT
- 5 Decision makers:**
 - 5.1 immediate superiors and managers
 - 5.2 elected representatives
 - 5.3 public servants

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