

Course Summary

ACBA 7004



Prifysgol Cymru

Y Drindod Dewi Sant

University of Wales

Trinity Saint David

Outline

- **Course Summary**
- **SLS Planning (15 mins)**
- **Recap of Urban Planning**
- **Urban Planning for the Future (Activity)**
- **Prince of Wales Dock**



What have we covered?

On successful completion of this module students will be able to:

- 1) Critically assess theory and practice in environmental policy and planning.
- 2) Research and identify appropriate environmental impacts for a specific project.
- 3) Assess development options within a strategic policy framework and apply theoretical constructs to this.

Week	Date	Topic
1	03/10/23	Principles of Environmental Policy
2	10/10/23	Reviewing environmental assessment articles
3	17/10/23	Fundamentals of EIA
4	24/10/23	Future strategies to sustainable policies
5	31/10/23	Introduction to planning
6	07/11/23	Examples of practice
7	14/11/23	EIA and SEA work in practice
8	21/11/23	Examples in the marine environment
9	28/11/23	Future planning strategies
10	05/12/23	Coordination of environmental planning and policy
11	12/12/23	Fundamental considerations and applications
	19/12/22	CHRISTMAS BREAK
	26/12/22	
	02/01/24	
12	09/01/24	Assignment clinic and policy communication
	09/01/24	Report due: Environmental Impact
13	16/01/24	Sustainable urban planning
14	23/01/24	Conference Presentation
	23/01/2024	Deadline: Conference Journal (10% (20%))
15	30/01/24	
16	06/02/24	

What have we covered?

Principles of Environmental Policy; why do we have policy, principles of good policy

Sustainable Development; pre-sustainable development; triple bottom line; Brundtland Report

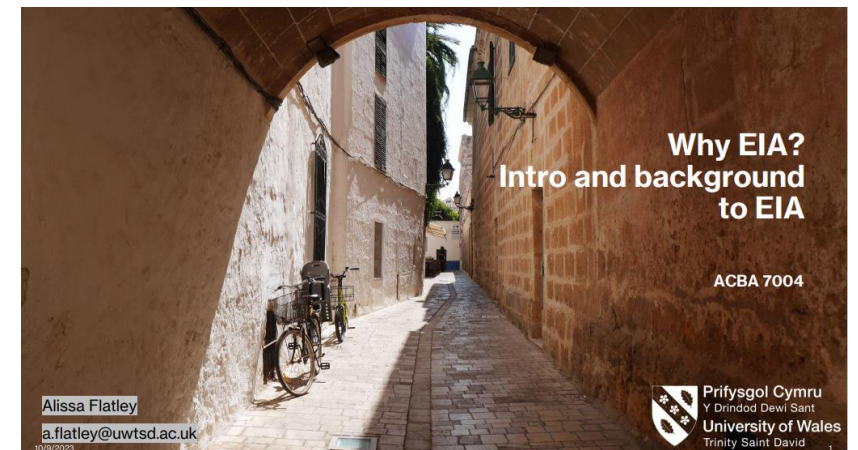
Environmental Ethics; policy development, environmental protection

Environmental Experts; traditional knowledge, community based NRM



What have we covered?

- **Why EIA?**
- History of the EIA
- What is Environmental Impact; how do we define impact; Environmental impact categories, the baseline situation, defining activity
- Process of conducting an EIA
- Key EIA Stages
- EIA Review



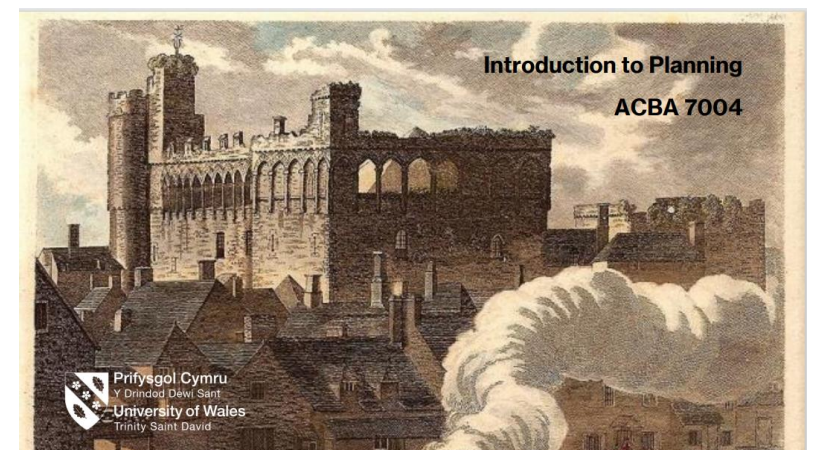
What have we covered?

- **Reviewing an EIA**
- EIA Core Values: Integrity, Utility, Sustainability (Sadler, 1996)
- Impact Management
- EMP (Environmental Management Plan), CEMP (Construction Environmental Management Plan)
- Consenting Process in EIA
- Assessing what makes a good EIA report
- Terms of Reference (TOR)



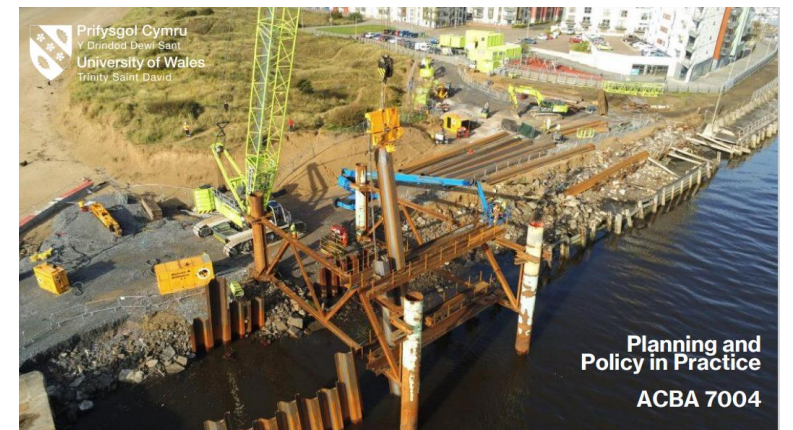
What have we covered?

- **Introduction to planning**
- What is planning
- Planning in the UK – NPPF / Wales; local plans; neighbourhood plans
- Welsh Planning System
- DNS (Development of National Significance)
- History of Urban Planning
- Spatial Planning and Ecological Footprinting (activity)



What have we covered?

- **Planning and Policy in Practice**
- Guest lecture (Ian Brown)
- Climate Change Act (2008), Environment Act (2021)
- Building and Construction; BREEAM
- Place Plans
- 20min neighbourhoods (Coed Darcy)



What have we covered?

- **SEA and examples in Marine Planning and Policy**
- Ecological Footprinting
- What is SEA (Strategic Environmental Assessment)
- Gwent Levels / M4
- Responding to Public Consultation (Marine Conservation Society)



What have we covered?

- **Maritime Spatial Planning**
- Sally Hughes (Waste, Guest Speaker)
- What is Maritime Spatial Planning
- Marine Planning
- Habitat Regulation Assessment (HRA)
- Welsh National Marine Plan



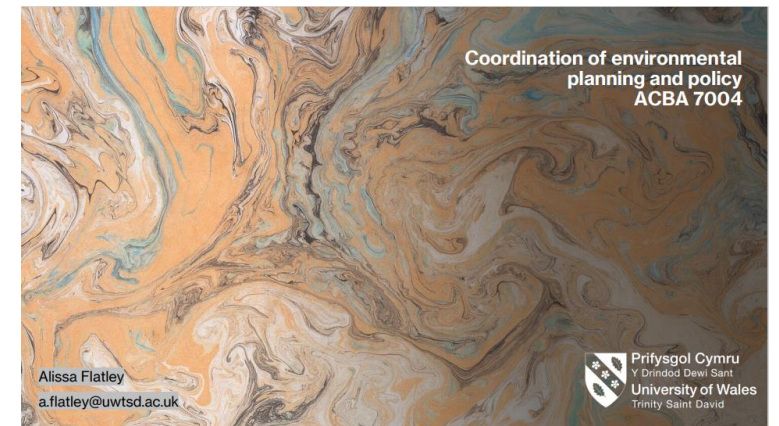
What have we covered?

- **Future Planning Strategies**
- Planning for the Future
- Analysis
- Difference between being descriptive and critical analysis
- Strategic Foresight
- Futures Toolkit; Horizon Scanning, 7 Questions
- Driver Mapping, Axes of Uncertainty
- Scenarios, Visioning, SWOT Analysis



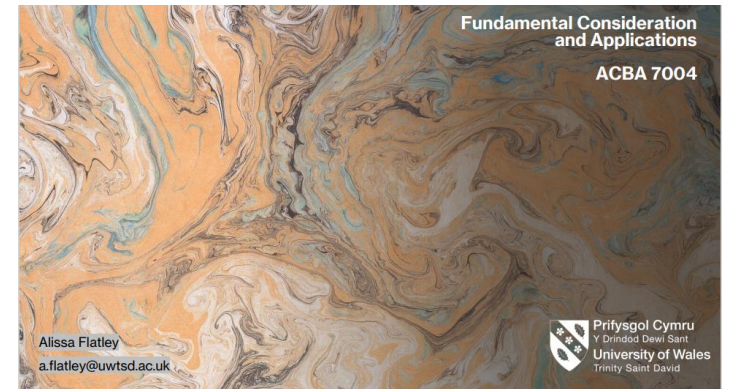
What have we covered?

- **PESTEL / MEA Activity**
- Multilateral Environmental Agreements (MEA)
- National, Multinational and International systems for coordination of environmental policy
- MEA Post-COP28



What have we covered?

- **Fundamental Considerations and Applications**
- PESTEL Analysis
- Fundamental Considerations
- Technical Advice Notes (TAN)
- Flood and Coastal Erosion Risk Management



What have we covered?

- **Policy Communication**
- Education v Persuasion
- Environmental Communication
- Stakeholder Analysis
- Pyramid Principle
- AIDA
- Section 6 and Section 7 Environmental (Wales) Act Duty
- Tools/Channels/Visual Medium



Next week...

Next week is your SLS, please provide ASAP:

- a copy of your poster for marketing purposes
- outline of how you would like the room set up
- Order, details etc.



Assessment

- Reminder:
- Conference Journal Deadline: 23rd January (2024), before 9am
- Feedback turnaround

TASK DESCRIPTION

Assessment: Report, collection of reports (Journal) and Conference presentation

Select an EIA of your choice. It is essential you select and get hold of the document in plenty of time to assess its application. It is preferable to pick an EIA with which you are familiar, for example, a bypass near your family home or Swansea Bay tidal lagoon.

1. Report

Using your chosen example, evaluate the process of EIA, comment on its supporting legislation, review academic literature and express opinion on any recent changes. This should include gaps that your example identifies between theory/law and practice.

Report format based on *Environmental Impact Assessment Review (Journal)*. No more than 4,500 words, excluding appendices ¹. **70% of the module mark.**

Report: Tuesday 9th January 2024

2. Conference

a. Collection of reports in a journal

After the feedback comments from staff have been returned, the group needs to organise editorial meetings to publish the collection of reports (which should address any issues raised in the staff comments) using the journal Environmental Impact Assessment Review guidelines. Hence you **ALL** need to coordinate the report format before the conference. The conference reports should be bound (spiral or could be in the form of a website²), published, and ready for distribution at the conference. Remember that presentation and consistency is essential in journal compilation. **10% of the module mark**

Conference Journal: Tuesday 23rd January 2024 before 9.00 am

b. Conference Presentation

Your report and response to staff comments should then be presented at a public conference. 10 mins presentation plus 5 mins discussion. **20% of the module mark.**

Conference Presentation Tuesday 23rd January 2022 From 1.00 pm

Moodle Upload

- Reminder:
 - Powerpoint Presentation
 - Formatted Report
-
- Moodle Outage: 4PM-5PM Tuesday 23rd January

Please note, Moodle will be unavailable for one hour between 4pm and 5pm on Tuesday 23rd January 2024 while important updates are installed. We thank you for your patience and understanding. Moodle Team

Sustainable Urban Planning

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Sustainable Urban Planning (recap)

- Today, some 56% of the world's population – 4.4 billion inhabitants – live in cities.
- This trend is expected to continue, with the urban population more than doubling its current size by 2050, at which point nearly 7 of 10 people will live in cities.
- With more than 80% of global GDP generated in cities, urbanization can contribute to sustainable growth through increased productivity and innovation if managed well.
- [Urban Development Overview \(worldbank.org\)](https://www.worldbank.org/urban)



Sustainable Cities and Communities (SDG)

11 SUSTAINABLE CITIES AND COMMUNITIES

Make cities and human settlements
inclusive, safe, resilient and sustainable.

Find out more



THE TARGETS

Everyone can help to make sure that we meet the Global Goals. Use these ten targets to create action to make cities and communities sustainable.

TARGET 11.1



SAFE AND AFFORDABLE HOUSING

By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums.

TARGET 11.2



AFFORDABLE AND SUSTAINABLE TRANSPORT SYSTEMS

By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.

TARGET 11.3



INCLUSIVE AND SUSTAINABLE URBANIZATION

By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries.

TARGET 11.4



PROTECT THE WORLD'S CULTURAL AND NATURAL HERITAGE

Strengthen efforts to protect and safeguard the world's cultural and natural heritage.

TARGET 11.5**REDUCE THE ADVERSE EFFECTS OF NATURAL DISASTERS**

By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations.

TARGET 11.6**REDUCE THE ENVIRONMENTAL IMPACT OF CITIES**

By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.

TARGET 11.7**PROVIDE ACCESS TO SAFE AND INCLUSIVE GREEN AND PUBLIC SPACES**

By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities.

TARGET 11.8**STRONG NATIONAL AND REGIONAL DEVELOPMENT PLANNING**

Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning.

TARGET 11.9



IMPLEMENT POLICIES FOR INCLUSION, RESOURCE EFFICIENCY AND DISASTER RISK REDUCTION

By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015–2030, holistic disaster risk management at all levels.

TARGET 11.A



SUPPORT LEAST DEVELOPED COUNTRIES IN SUSTAINABLE AND RESILIENT BUILDING

Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials.

Rethinking sustainable urban design

- [Rethinking sustainable urban development: towards an integrated planning and development process | International Journal of Environmental Science and Technology \(springer.com\)](#)





Resilient Cities

[Resilient Cities: Building a sustainable future – Video \(economist.com\)](#)



Take a break

10mins

Port Development Activity

- Transforming Abandoned Port Areas into Vibrant Waterfronts
([utilitiesone.com](https://www.utilitiesone.com))



Port Development Activity

- [Transforming Abandoned Port Areas into Vibrant Waterfronts \(utilitiesone.com\)](https://utilitiesone.com)



Prince of Wales Dock, Swansea (1949)

[Prince of Wales Dock, Swansea, 1949 | Peoples Collection Wales](#)

Prince of Wales Dock / Fabians Bay (1879).

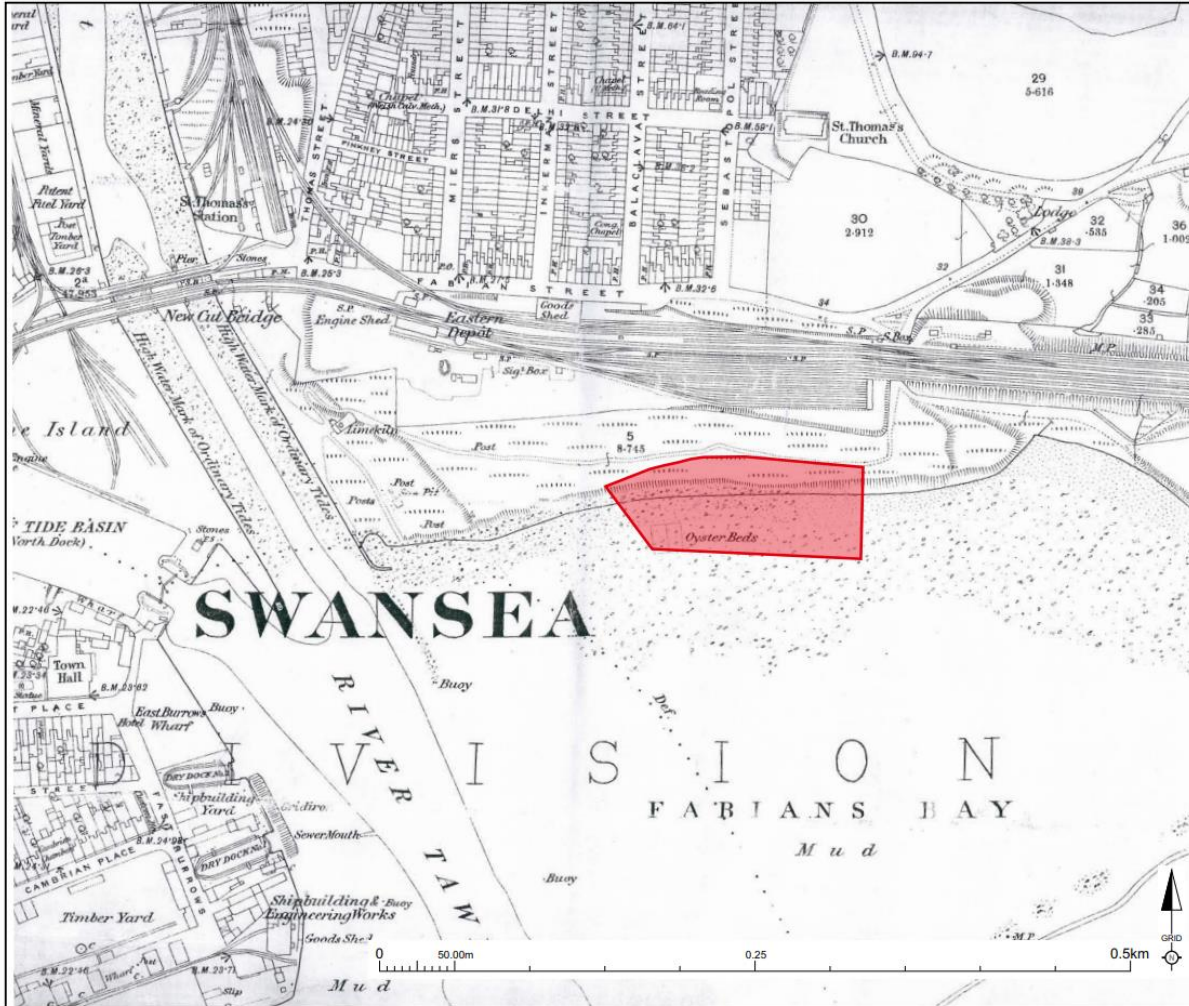


Figure 5. 1st edition (1879) OS map with development area (red)

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Prince of Wales Dock, Swansea

[Prince of Wales Dock, Swansea, 1949 | Peoples Collection Wales](#)

Prince of Wales Dock / Fabians Bay (1879).



Prince of Wales Dock in the 1900s.

Additional Materials:

[Swansea Dock-Prince of Wales
Dock page 2 \(swanseadocks.co.uk\)](http://swanseadocks.co.uk)



Activity

Read the following news article:

[Welsh Government to take over Swansea's Prince of Wales Dock \(nation.cymru\)](https://www.nation.cymru/news/welsh-government-to-take-over-swanseas-prince-of-wales-dock-1.1000000)

Today we will be coming up with a viable plan for the Prince of Wales Dock **(1hr, 30)**

SA1 for Sale



Cymraeg

Residents

Business

Council

Do it online



[Swansea Home](#) > [Business](#) > [Land and property for sale or lease](#) > [Vacant property and land for sale or lease](#) > [Vacant land](#)

SA1 Swansea Waterfront

FOR SALE/ TO LET: Mixed use development including business, residential and commercial.

Property ID: 3

Address: SA1 Swansea Waterfront

Tenure: For sale/ To let

Agent(s): Welsh Government: contact telephone 01792 484020

Size: up to 100 acres

Price: Contact Welsh Government

Comments

The SA1 Waterfront is a flagship project for Swansea involving the redevelopment of the Prince of Wales Dock which is close to the city centre. It will encompass mixed use development including business, residential and commercial to create a vibrant and sustainable community. The total redevelopment area comprises some 40 hectares (100 acres) of land.

[UWTSD_SA1_Swansea_Waterfront.pdf \(cewales.org.uk\)](#)

Legacy and regeneration

- Polychlorinated biphenyl (PCB's) known to be higher than other docks in the UK (Reed et al., 2001)

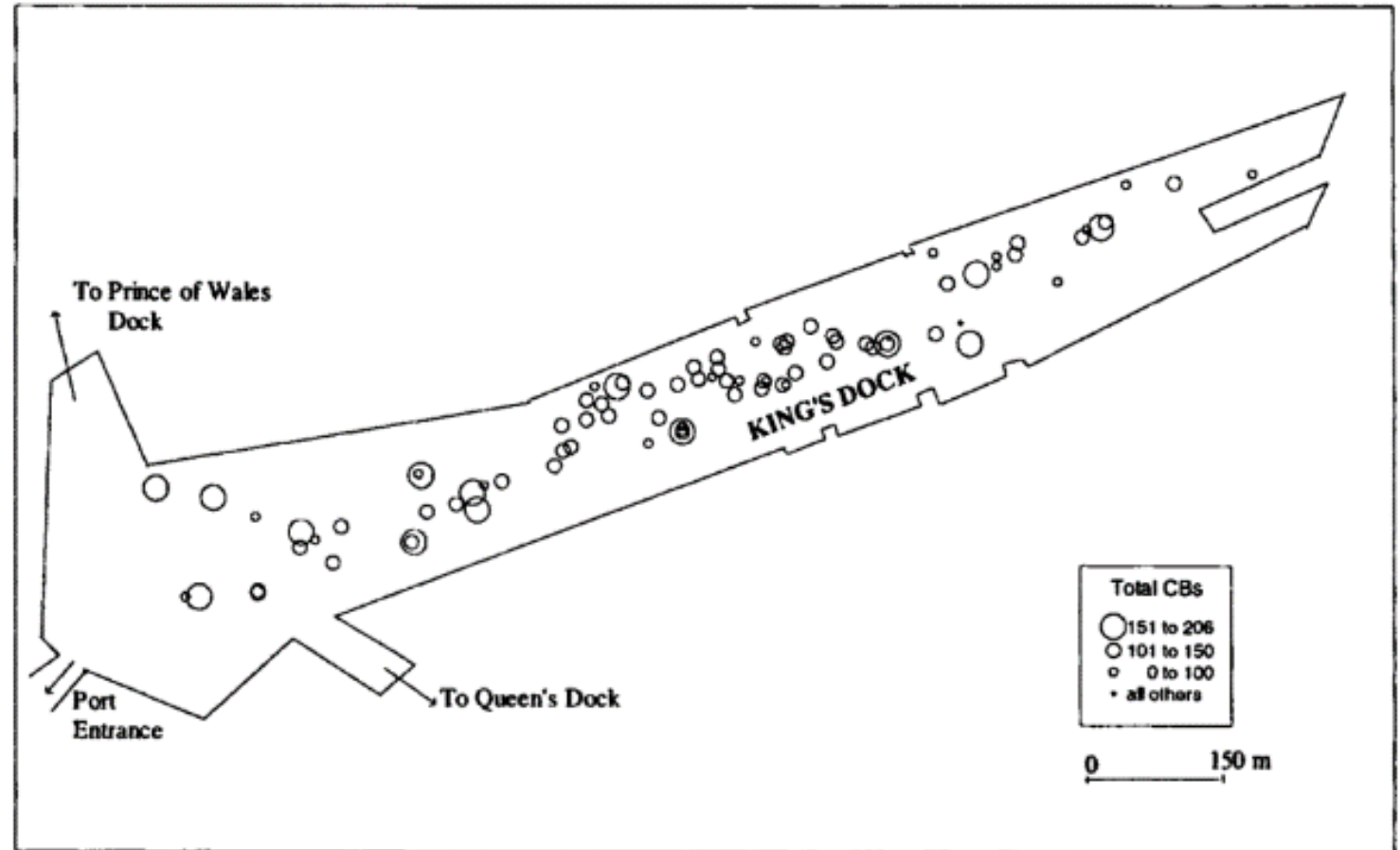


Figure 1. Total PCB concentrations sampled in King's Dock sediment

[UWTSD_SA1_Swansea_Waterfront.pdf \(cewales.org.uk\)](#)

[Polychlorinated biphenyls \(PCBs\): registration, disposal, labelling - GOV.UK \(www.gov.uk\)](#)



Activity

Using ideas and principles learnt over this module, make a development plan for the Prince of Wales dock. You should prepare a short presentation (of 4-5 PowerPoint slides) to present to the neighbouring community to illustrate:

- **Your Development Plan**
- **Proposed contribution toward sustainable urban development in the next 100 years.**
- **Relevant policy and planning considerations**

References

- Reed, J., Chappell, A., French, J. R., & Oliver, M. A. (2001). Geostatistical analysis of PCB-contaminated sediment in a commercial dock, Swansea, UK. In *geoENV III—Geostatistics for Environmental Applications: Proceedings of the Third European Conference on Geostatistics for Environmental Applications held in Avignon, France, November 22–24, 2000* (pp. 487-497). Springer Netherlands.



Take a break

10mins



Future Cities: Urban Planners Get Creative

[\(3\) Future cities: Urban planners get creative | DW Documentary - YouTube](#)