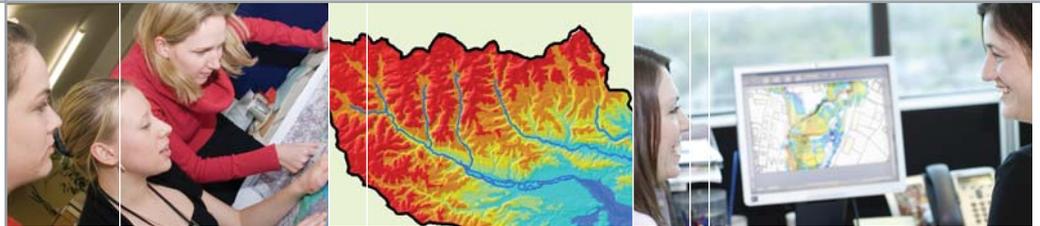


training

Our experienced staff provide training within the
flood risk and water management industry



'We offer a range of technical and non-technical training courses to help participants understand the general concepts of flood risk and water management, and the various technical tools used in its assessment. Understanding more about the chance of a flood happening, the hazards associated with flooding, and the consequences of a flood event must be priority for all those with responsibility for flood management and sustainable development.

Our standard courses cover a variety of topics including:

- understanding flood risk
- hydrology
- GIS (geographical information systems)
- hydraulic modelling
- flood warning, flood resilience and the community
- responding to flood emergencies
- computational fluid dynamics (CFD)

We are also able to tailor training courses when participants have specific training needs.

CAPITA SYMONDS

successful people, projects and performance

Understanding flood risk

There is an increasing need to consider flood risk. Developers, planners, and architects need to be aware of flood risk and the impacts on development. Insurance companies are increasingly asked to consider flood risk in providing policies. We offer a range of training courses and workshops aimed at improving understanding of flood risk policy, processes, and solutions. We also offer tailored training courses, such as the application of the Sequential and Exception Tests outlined in Planning Policy Statement 25.

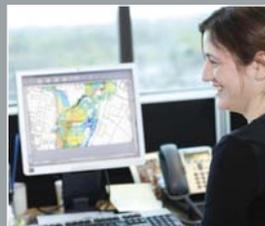
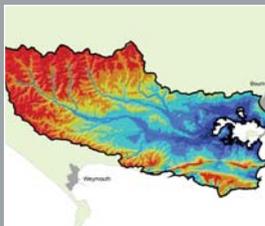


Principles of Peatland Hydrology

Our Peatland for People project investigated approaches to restore Duddon and South Solway Mosses in Cumbria into healthy and sustainable features. After site investigations to establish the hydrological functioning of each wetland system, we developed a series of workshops to train those involved in implementing the peatland restoration programme.

Geographical Information Systems (GIS)

ArcGIS is a software package produced by ESRI, which enables advanced data capture, mapping, spatial analysis and databases connectivity. We offer an ArcGIS introductory course, and an advanced course. These may be tailored to suit clients as required. MapInfo is a leading desktop GIS software provided by Pitney Bowes MapInfo. It enables advanced data capture, mapping, spatial analysis, and databases connectivity. We offer an MapInfo introductory course, and an advanced course. These may be tailored to suit clients as required.



Hydraulic Modelling

We offer a range of courses including 1D, 2D and linked 1D-2D modelling (TUFLOW). Courses are available for project managers who need to understand how the software works, and its capabilities and limitations. We also provide courses for hydraulic modellers who will be building, modifying and reviewing their own computer models. We also offer tailored training courses when participants have specific training needs.

Emergency planning

Flood warning and emergency planning is becoming more important as a result of wide-spread urban flooding such as that during summer 2007, and the latest climate change predictions. There is increasing pressure for emergency planners to consider flood risk in a more coordinated way. We offer tailored training courses for those involved in emergency planning and response, to facilitate understanding of flooding processes and the data upon which critical decisions are made.



Introduction to Computational Fluid Dynamics (CFD)

CFD is a specialised tool to understand and assess complex fluid motion. It is used extensively when designing Heating Ventilation and Air Conditioning (HVAC) systems, particularly non-standard systems such as stadiums and tunnels. With greater health and safety awareness, CFD is being used more frequently in the assessment of smoke control, temperature distribution and air quality. We offer an introductory training course for those involved in the design and approval of structures, to understand the capabilities, assumptions and limitations of applying CFD to help inform design decisions.

www.capitasymonds.co.uk

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