



## Consulting & Engineering Services in Flood Risk Management and Hydrology

Your ideal value-for-money partner

**Flood risks are an increasingly concerning issue in many countries.** They are exacerbated by the effect of climate change.

For centuries, communities have tried to protect themselves from floods by solely applying structural measures – higher embankments, reshaping of river courses, etc., with controversial results.

The last decade has seen an important change of emphasis – one that teaches us to live with flood, to mitigate its effects and to increase resilience. Such a new approach, focused on **Flood Risk Management rather than Flood Protection**, was reflected in the European Commission 2007 Floods Directive.

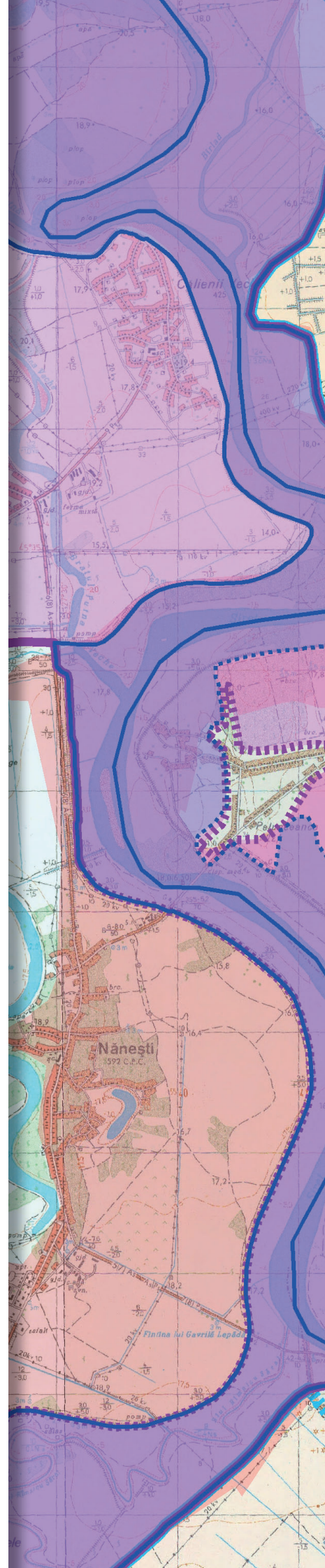
SCE UK is able to provide you with **services of international standard quality at unchallengeable rates.**

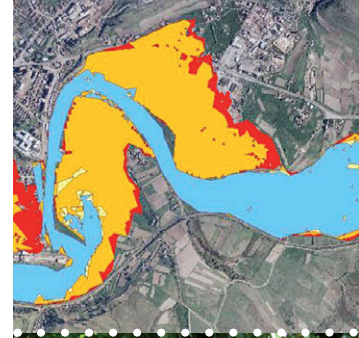
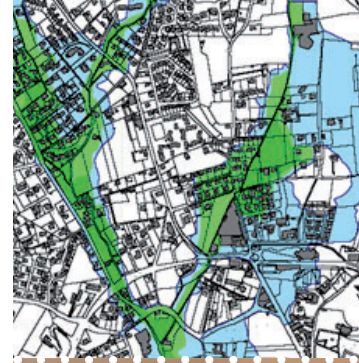
Our work is of the highest quality and SCE UK provides consultancy and support services in Flood Risk Management for many national countries and government agencies in the UK and throughout Europe.

**We OFFER SUPPORT SERVICES** to our clients at the same level of professionalism as your internal contract staff **but at a much reduced cost.**

Why not subcontract out that **expensive analysis, modeling or hydrology work to international experts?**

Ask us for a quote...





## SCE UK – A subsidiary of SCE GROUP

SCE UK is a subsidiary of the **International Consulting SCE GROUP**, which brings together over 25 years of experience in river hydraulics, integrated **water resources management and flood risk management** in Western Europe and Asian countries.

SCE has since then worked on a wide range of projects, and successfully delivered a significant number of assignments. Including major challenging projects such as **“Contributions to the development of the Flood Risk Management Strategy”** in Romania, in between 2007 and 2010, financed by the European Commission – PHARE for a budget of over 1.7 M€.

SCE UK is today in the position of being able to offer expertise to UK clients.

## Our services

SCE UK teams are fully conversant and experienced in new technology and are **your best value for money support for your flood risk management projects**.

Our teams club together a wide range of expert clusters, in order to provide you with the best sustainable solutions to meet the challenges of your projects. **Hydrology modeling, hydraulic modeling, river geomorphology, mapping and GIS, master planning and feasibility studies** are only examples of the kind of services you may wish to request from us.

## Our team

Our team has a very good understanding of **the England Planning Policy Statement 25**. By working closely with client consultants, SCE UK is able to successfully deliver International standards quality assignments at highly competitive prices for any flood risks studies.

SCE UK is furthermore supported by the **International expertise of SCE GROUP** thereby encompassing over **500 experts worldwide**.

## Our software tools

### Hydraulic modelling software:

- HEC-HMS & -RAS: Hydrologic and river analysis system.
- Mike series software - 1D and 2D studies
- XP SWMM: Design and analyze storm water projects including piped and channel flows.
- ISIS
- INFOWORKS RS
- TUFLOW – 2D studies

### Applications:

- flow and water level simulation
- Determination of flood protection levels
- flood risk analysis and mitigation design
- real-time flood forecasting
- sediment transport

### Information systems:

- Data acquisition – Design and implementation of Information systems
- Tools: MapInfo – ArcGIS – ArcView (data management, spatial analysis, Geographical analysis, Mapping).

## Professional qualifications

SCE UK is a subsidiary of the International SCE GROUP, **certified ISO 9001** for all its consulting & engineering activities.

## Our references on Flood Risk Management

- **Contributions to the Development of the Flood Risk Management strategy in Romania – 2007 /2010.**  
Preparation of a National Flood Risk Management Strategy & its Action Plan – Hydrological & hydraulic modeling on pilot river basins, master planning & feasibility studies. Definition of national methodologies for flood hazard mapping, flood risk mapping, flood damage assessment. Client: CFCU – Ministry of Environment – Apele Romane.
- **Plans for prevention, protection and reduction of the flooding effect, in the Mures catchment – Romania – 2008/2010.**  
Hydrological and hydraulic modeling – Preparation of flood maps.
- **Preparation of Second Shandong Urban Environment Project – China – 2005/2006.**  
Critical review of feasibility studies for various projects, including flood protection. Total investment planned: 240 MUSD.
- **Flooded and potentially flooded areas in the French area “Provence – Alpes Côtes d’Azur” – France – 2004/2007**  
Master Plan and inventory of the potentially flooded areas for the Provence region.
- **Flood Risk Management Strategy for the Eure County – France – 2002/2006.**  
Development of a long term Flood Risk Management Strategy and a corresponding Action Plan for a 6,100 km<sup>2</sup> - 560.000 inhabitants area.