



SOIL EXPERTISE

DEVELOPMENT AND MANAGEMENT OF DIGITAL SOIL DATABASES

TRAINING IN PEDOLOGY

SOIL MAPPING

# PEDOLOGY SOIL EXPERTISE

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## BENEFIT FROM OUR KNOW-HOW AND SKILLS

A good knowledge of soils is essential for the development of rural and peri-urban land: it allows development project owners to better protect water resources and biodiversity, and to treat and reuse solid and liquid waste more efficiently. It is also indispensable for assessing the agronomic potential of the soil and determining how efficient irrigation will be.

Through its twofold role as regional developer in Provence and engineering consultant, the Société du Canal de Provence (SCP) has gained extensive knowledge of soils, drawing on 50 years of experience in France and abroad. The company provides expertise in soil mapping and assessment of soil suitability for agriculture and irrigation, as well as for efficient treatment and reuse of solid (sediments, by-products) and liquid waste (reuse of treated waste water).

### Soil expertise

- soil corrosiveness,
- soil suitability for agriculture, irrigation and on-site sanitation, etc.
- feasibility studies for the reuse of all types of organic waste and of soil-treated waste water,
- quality (soil-quality monitoring networks),
- soil resources in impact studies, master plans, etc.

### Development and management of digital soil databases

(Regional Soil Reference Database for Provence-Alpes-Côte d'Azur), for use in thematic applications.

### Soil mapping

(several thousand hectares in the Provence region), ranging from local land registry to regional scale maps, in order to assess soil cover and potential.

### Training in pedology

Training courses, seminars, information days and awareness campaigns.



## MAJOR REFERENCES :

### AET

Preparatory soil impact assessment study for a GRT GAZ pipeline project.

### European Investment Bank

Soil study prior to reuse of treated waste waters for the SETTAT agricultural scheme. (Morocco)

### Bouches du Rhône Chamber of Agriculture and Local Government

Soil potential study for reuse of domestic organic waste.

### SOL Scientific Interest Group

Investigation of 200 sites on the soil-quality monitoring network in 6 administrative departments of the Provence-Alpes-Côte d'Azur region, and 4 administrative departments in the Languedoc Roussillon region.

### Ministry of Agriculture

Soil maps and suitability studies for future Canal de Provence irrigation schemes.

Scales : 20,000 and 50,000, spanning 650,000 ha.

### Guyane Public Development Authority

Soil mapping and agronomic suitability studies for a future agricultural scheme spanning 2,000 ha of secondary forest.

### Montpellier Urban Agglomeration

Agronomic soil mapping for agricultural development following creation of Lez flood plains on agricultural land.

### SCP

Soil corrosiveness mapping for buried pipes.

### SPANC (CPA, SIVOM, BRL)

Annual pedology and soil treatment induction course for SPANC technicians (since 2005).

### Senegal River Development Organisation

Study of soil resources in the Senegal river catchment area for quantitative and qualitative protection of water resources.

## CONTACT

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**WATER AND ENVIRONMENT,  
A RECOGNIZED KNOW-HOW  
FOR LONG-TERM SOLUTIONS**



**SOCIETE DU CANAL DE PROVENCE**  
ET D'AMENAGEMENT DE LA REGION PROVENÇALE



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