

# Water Task Group

The aim of the task group is to create a guide and webinar, to help FPS members improve this area of sustainability. We recommend the guide and webinar follow a what, why, how, measure approach to improving each area of sustainability. This means answering the following questions:

## 1 What?

What key terms should our members know? What are our greatest sources of water use as geotechnical companies? Do you want to consider water pollution in this task group?

Define the key priorities for this group

*E.g. Water use reduction; increased use of grey water etc*

## 2 Why?

Why does water reduction matter to geotechnical companies?

It may help to consider:

- Legislative requirements (including upcoming legislation)
- Any client requests you've received
- Any evidence of efficiency savings
- Employee demand, investor demand etc

## 3 How?

How can geotechnical companies reduce water use?

This is probably the most important part of the guide / webinar. We are looking for best practices for our members to help reduce water use throughout the operations of geotechnical companies. These best practices may include small 'quick-wins' for specific processes, ways to factor in water reduction into decision-making and large-scale ways to reduce water use throughout geotechnical companies.

It may help to think about how companies can eliminate water use completely or reduce water use, as well as recycling water or using grey water sources. Please also include sufficient technical knowledge to help FPS members implement these improvements.

You are free to define the timescales for short-, medium- and long-term best practices.

### 3.1 Short-term best practices

- 'Quick wins' or efficiency savings with short payback periods
- *E.g. Recycling water to wash down rigs*

### 3.2 Medium-term best practices

- Improvements with longer payback periods or processes that take additional infrastructure / training / additions to implement

### 3.3 Long-term best practices

- Improvements with no payback period, or require significant investment / changes to current practices. *E.g. alternatives to water intensive geotechnical solutions like jet grouting*

## 4 Measure

*What metrics should geotechnical companies use to measure / set targets for the machinery sustainability?*

It may help to think about different types of metric:

- Lag metrics *e.g. litres of water used*
- Leading metrics *e.g. spend on X; % of site teams trained on Y*
- Absolute metrics *e.g. litres water*
- Relative metrics *e.g. litres of water used per £m revenue (or per 100,000 hours worked)*

You may also want to consider what metrics would be most useful for FPS members to use when setting their own water targets

## 5 Key outputs

- 'How to' guide that:
  - o What: Introduces the task group priorities & key terms
  - o Why: Explains why geotechnical companies should improve it
  - o How: Highlights short-, medium- and long-term best practices. This should also include any technical knowledge-sharing required to improve machinery sustainability
  - o Measure: Details potential key metrics to assess progress on machinery sustainability
- An FPS or FPS-EFFC webinar, introducing the water priorities and promoting key parts of the 'how to' guide