

NBS WORKSHOP: Nature-based Solutions for Slope Protection

Catterline, Scotland: 26-28 March, 2020



OPERANDUM

OPEn-air laboRAtories for Nature baseD
solUtions to Manage hydro-meteo risks



University for the Common Good



WORKSHOP DESCRIPTION

Glasgow Caledonian University (GCU) and Naturalea, in partnership with UNESCO, welcome you to the '*Nature-based Solutions (NBS) for Slope Protection*' workshop, to be held in OAL-UK (Catterline, Scotland), on 26th – 28th March 2020, under the umbrella of the OPERANDUM Project.

The objectives of the workshop are:

- i. to provide the participants with a theoretical background on NBS for slope protection from hydro-meteo hazards;
- ii. to demonstrate, through a two-day hands-on practice session, how NBS can be effectively deployed onsite through co-deployment approaches, using local, natural resources and low input requirements; and
- iii. to support knowledge exchange and capacity building at both the local and national levels, in line with OPERANDUM objectives.

To achieve these objectives, the workshop will be divided into theoretical and practical sessions. During the one-day theoretical session on Thursday 26/03/20), invited national and international experts will lead a series of talks on relevant NBS examples and state-of-the-art approaches to design and performance assessment of NBS.

During the two-day practical sessions (27-28/03/20), key NBS construction techniques and methods for retrieving and preparing plant materials used in the construction of NBS will be showcased. Then, three NBS for slope protection will be deployed onsite at Catterline, at zones with identified erosion



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 776848

and slope stability hazards. The NBS deployment will follow co-deployment approaches and will demonstrate the use of local and sustainable materials.

In addition to the technical knowledge and skills gained, participants will have the opportunity to meet with peers and form networks and connections, strengthened through actively working together and problem-solving while implementing the NBS. They will also have the opportunity to work with local residents and gain perspective on the concerns and motivations of those who live in communities with landslide and coastal erosion risks.

WORKSHOP SCHEDULE

Date: Thursday 26th March 2020

Session title: Theoretical workshop “Soil bioengineering techniques and NBS for slope protection and management”.

Location: Station Hotel, Stonehaven, Aberdeenshire, AB39 2NE

Time: 10am – 5pm

Date: Friday 27th & Saturday 28th March 2020

Session title: Practical workshop “Practical NBS deployment skills for slope protection”

Location: Catterline, Aberdeenshire, AB39 2UL

Time: 9am – 5pm.

WHAT'S INCLUDED

- Materials and equipment to implement Nature-Based Solutions
- Lunch and teas/coffees on all workshop days
- Transportation between Stonehaven and Catterline on Friday 27th and Saturday 28th

WHAT'S NOT INCLUDED

- Transportation to and from Stonehaven from place of residence
- Accommodation in Stonehaven
- Breakfast and dinner on all workshop days

TRAVEL

The nearest airport to Stonehaven is Aberdeen International Airport. International airports are also located in Edinburgh and Glasgow. Stonehaven can be reached by train from Aberdeen (20 minute journey), Glasgow (3 hour journey), and Edinburgh (2 hour journey). Train journeys can be planned and booked through the National Rail website (www.nationalrail.co.uk).

ACCOMMODATION

There are a number of small hotels and B&Bs in Stonehaven, which can be booked through Booking.com (www.booking.com/stonehaven). Alternatively, there is a wide range of accommodation choices in Aberdeen, also available for booking through Booking.com (www.booking.com/aberdeen).

REGISTRATION

Please register to attend the workshop at:

<http://nbscatterline.eventbrite.co.uk/>

For more information contact Dr Karen Munro (karen.munro@gcu.ac.uk) or Dr Alejandro Gonzales Ollauri (alejandro.ollauri@gcu.ac.uk).