



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Partnerství pro rozvoj vzdělávání a komunikace v ochraně přírody
CZ.1.07/2.4.00/17.0073

Field studies council centres

Anglie a jižní Wales

Jiří Popelka, 2013

Margham Discovery Centre



Dale Fort Field Centre



Orielton Field Centre



FSC Centres ve Velké Británii

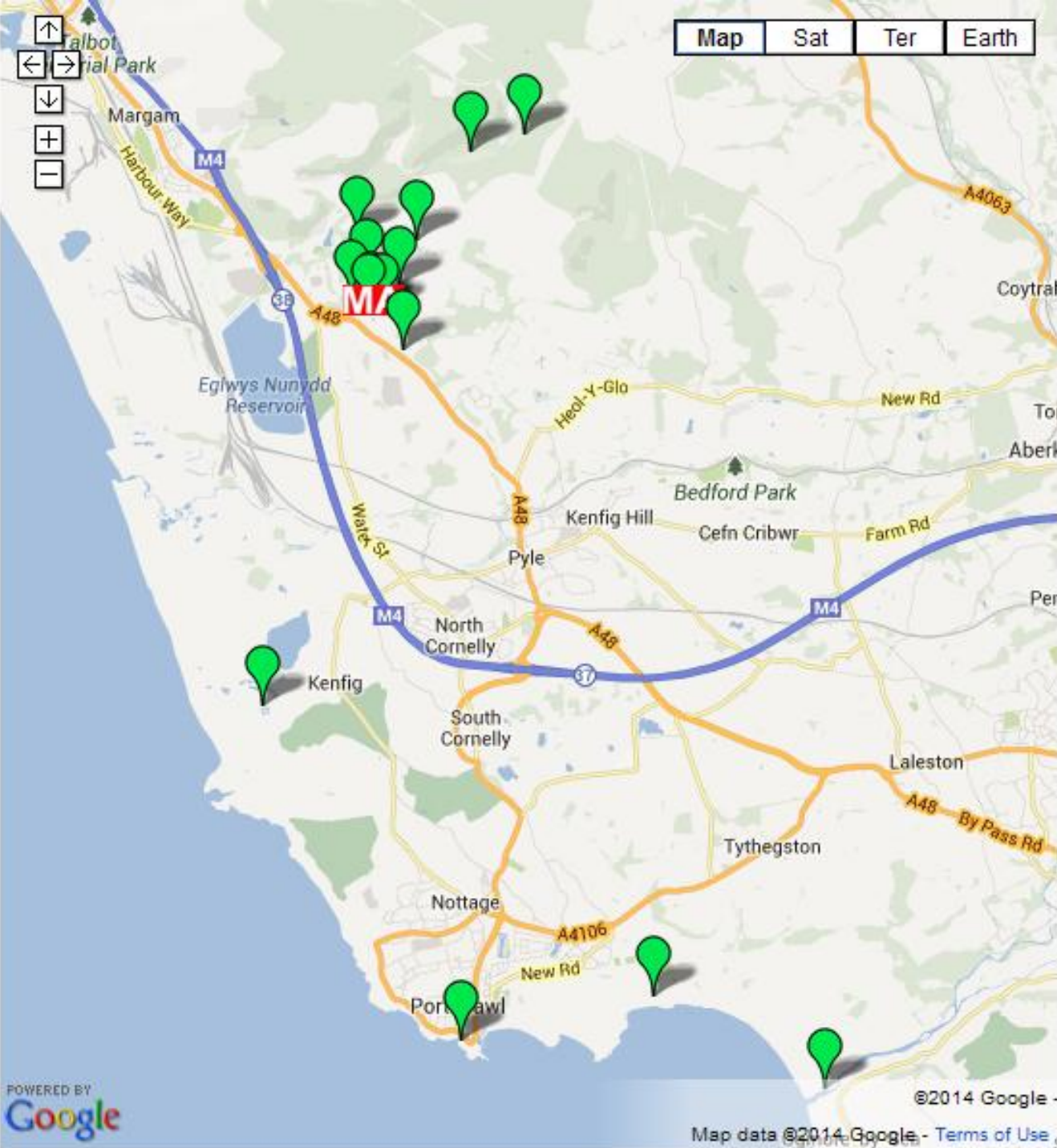


Juniper Hall



Badatelsky orientovaná výuka







Margham Discovery Centre

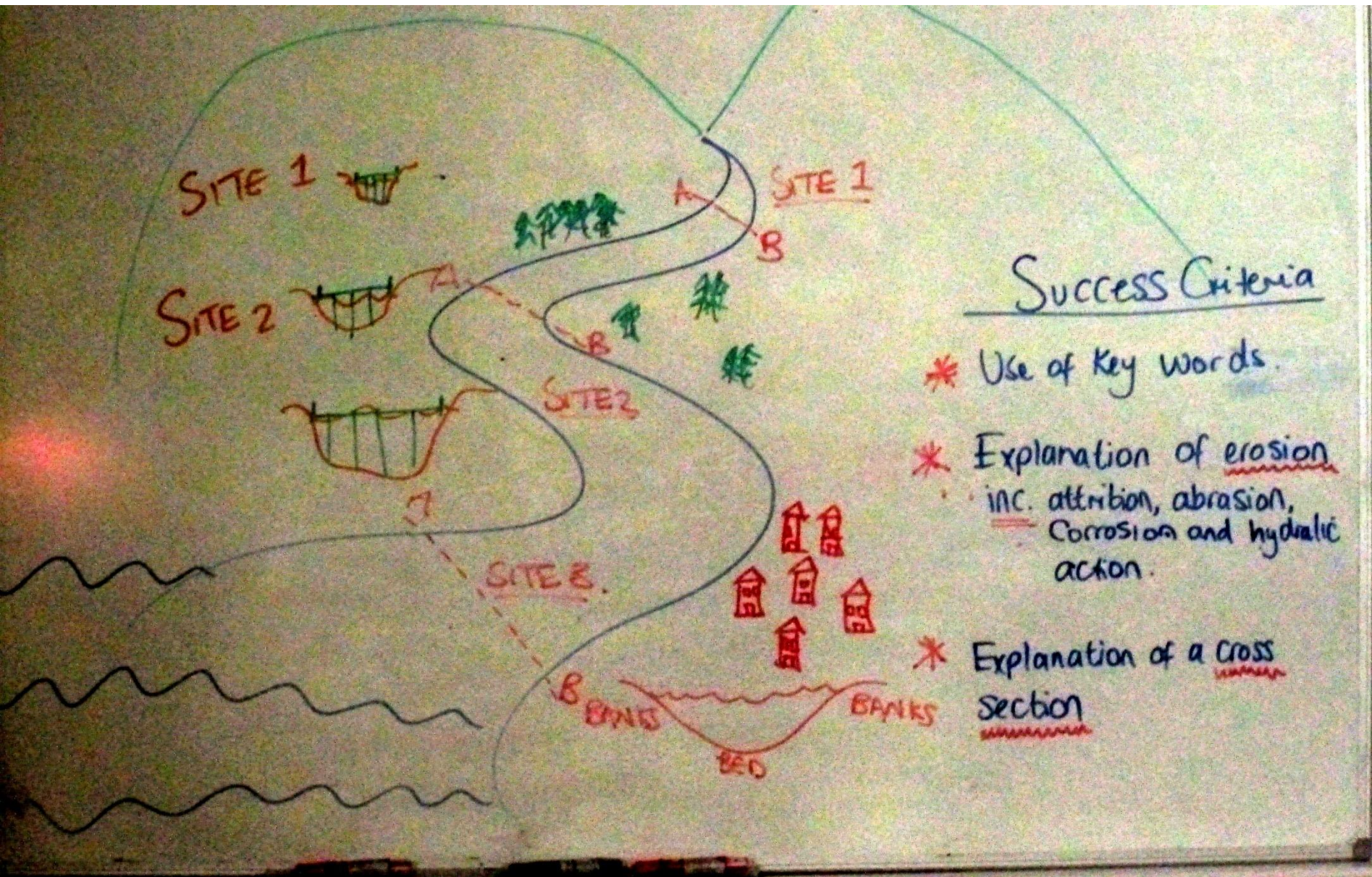




PROGRAM HYDROLOGY



1 krok. představení projektu



Risk Assessment

Risk	Precaution
	Do not go in to the river any deeper than welly height, work in groups at all times.
	Wear long trousers and sleeves to avoid being scratched
	Do not drink the water, cover and open cuts. Use antibacterial hand gel before lunch. Seek medical attention if you become ill after fieldwork.
	Wear suitable shoes with good grip, and wear a hat when going
	Be aware of cars coming quickly along country roads. Walk in single file and cross with care.
	Check the forecast and wear appropriate clothing.

2 krok: sběr dat



2 krok: sběr dat



2 krok: sběr dat



River Data Recording Sheet

Measurement	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8
Water Width (m)								
Wetted Perimeter (m)								
Upstream (m)								
Downstream (m)								
Slope Angle (°)								
Distance gradient measured over (m)								
Left Bank								
Water Depths (m)								
Right Bank								
Flowrates LB								
Time for impellor to travel (s)								
RB								

BEDLOAD DATA

STONE SIZES (mm)	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

3 krok:

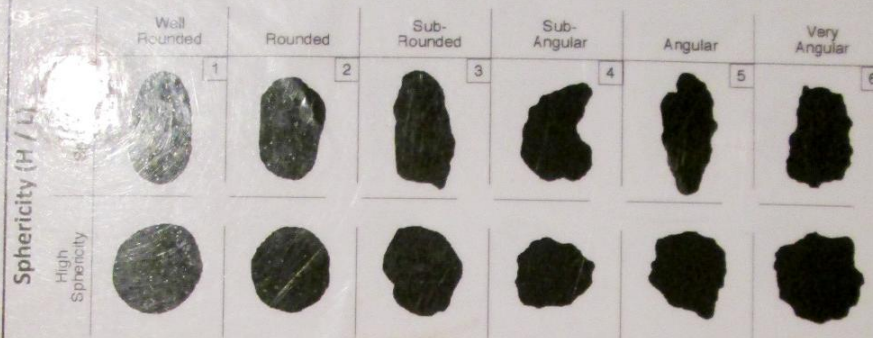
Prezentace
dat

Sediment classification

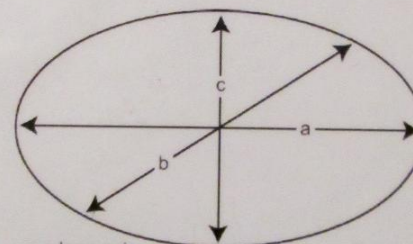
James H. Dyer

1. Angularity and sphericity (the Power's index):

Angularity (1 - 6)



2. Pebble size (the three axes of a pebble)



a = long axis
b = middle (intermediate) axis
c = short axis

3. Sediment size (the Wentworth scale): for sediment smaller than 0.5 cm

For sediment which you cannot measure either the a, b or c axis because the sediment is too small, use the scale below. Input the estimated sediment size (not name) onto your recording sheet.

Udden Wentworth Grain Scale (cm)	
Gravel	0.4000
Sand	0.2000
Silt	0.0060
Clay	0.0004

Orielton Field Centre







NP Pembroke Shire Coast





PROGRAM ROCKY SHORES



1 krok: představení projektu



2 krok: sběr dat v terénu



2 krok: sběr dat v terénu



FSC
www.fsc.org

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PROGRAM FRESHWATER BIOLOGY







PROGRAM SAND DUNES



1. krok: představení projektu

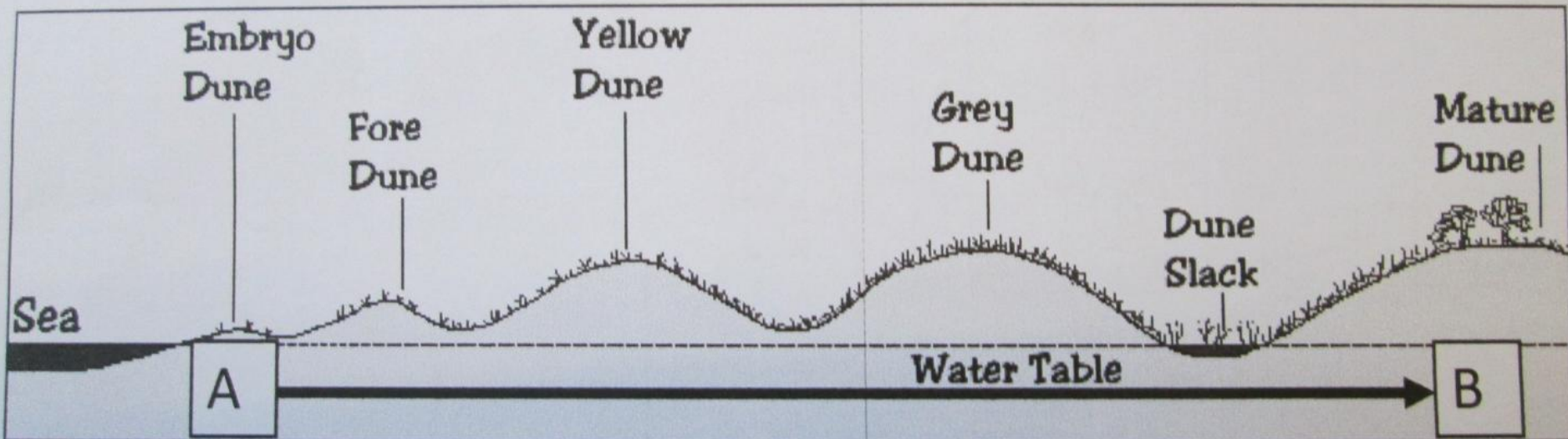
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BUILDING
ENVIRONMENTAL
UNDERSTANDING TO ALL
VS. DUE & DISSEMINATING
ARCHITECTURAL
I. BARR

Idealised Profile of a Psammosere

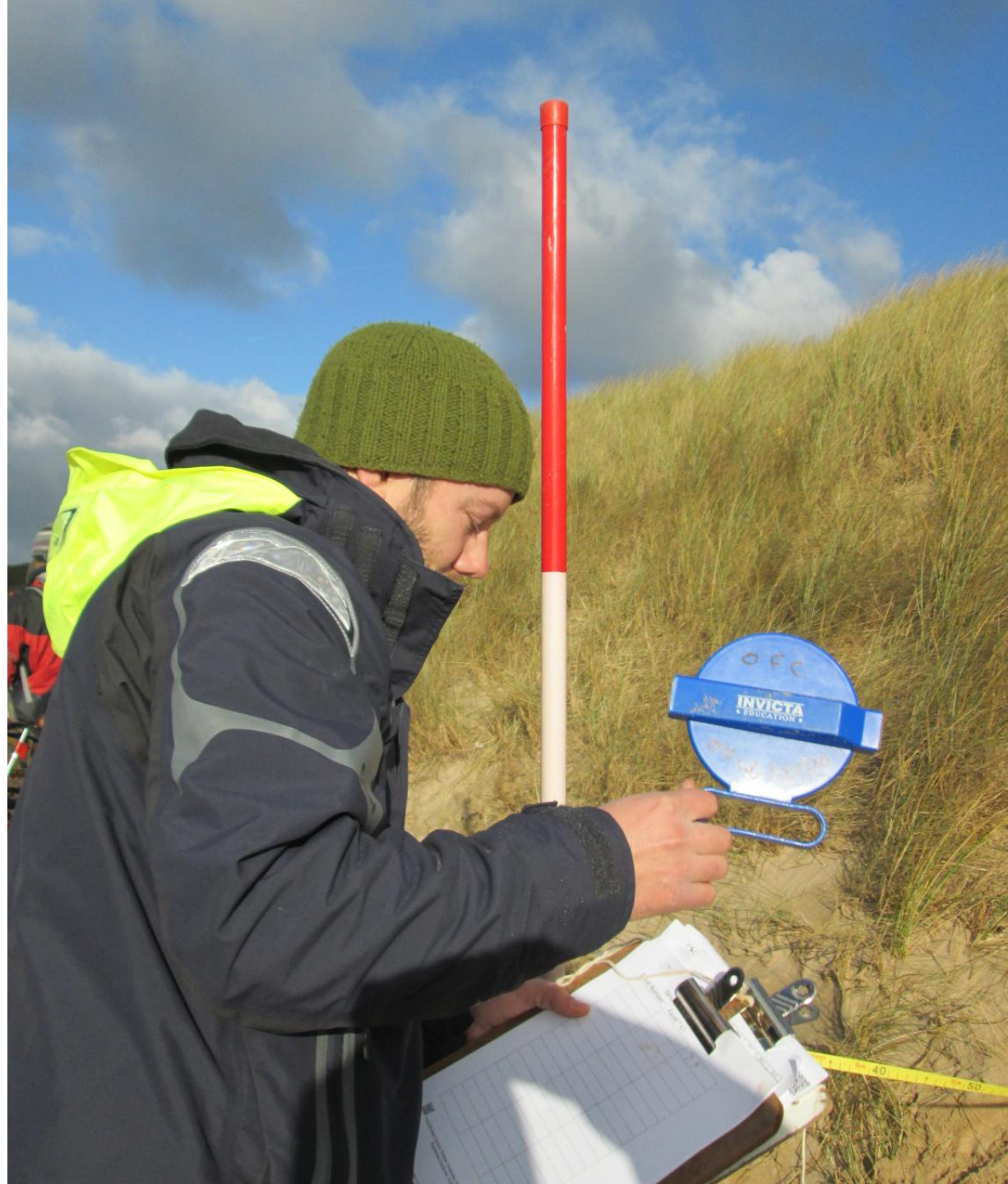
Learning Objectives

- ☐ Describe the changes in vegetation along a transect, as the distance from the sea increases.
- ☐ Relate changes in vegetation to abiotic variables, and understand why there are different plant communities along our transect.
- ☐ Understand the impacts of people on this sand dune system and how they can be managed.
- ☐ Describe the fieldwork you have undertaken, justify the techniques you have employed and suggest improvements to these techniques.

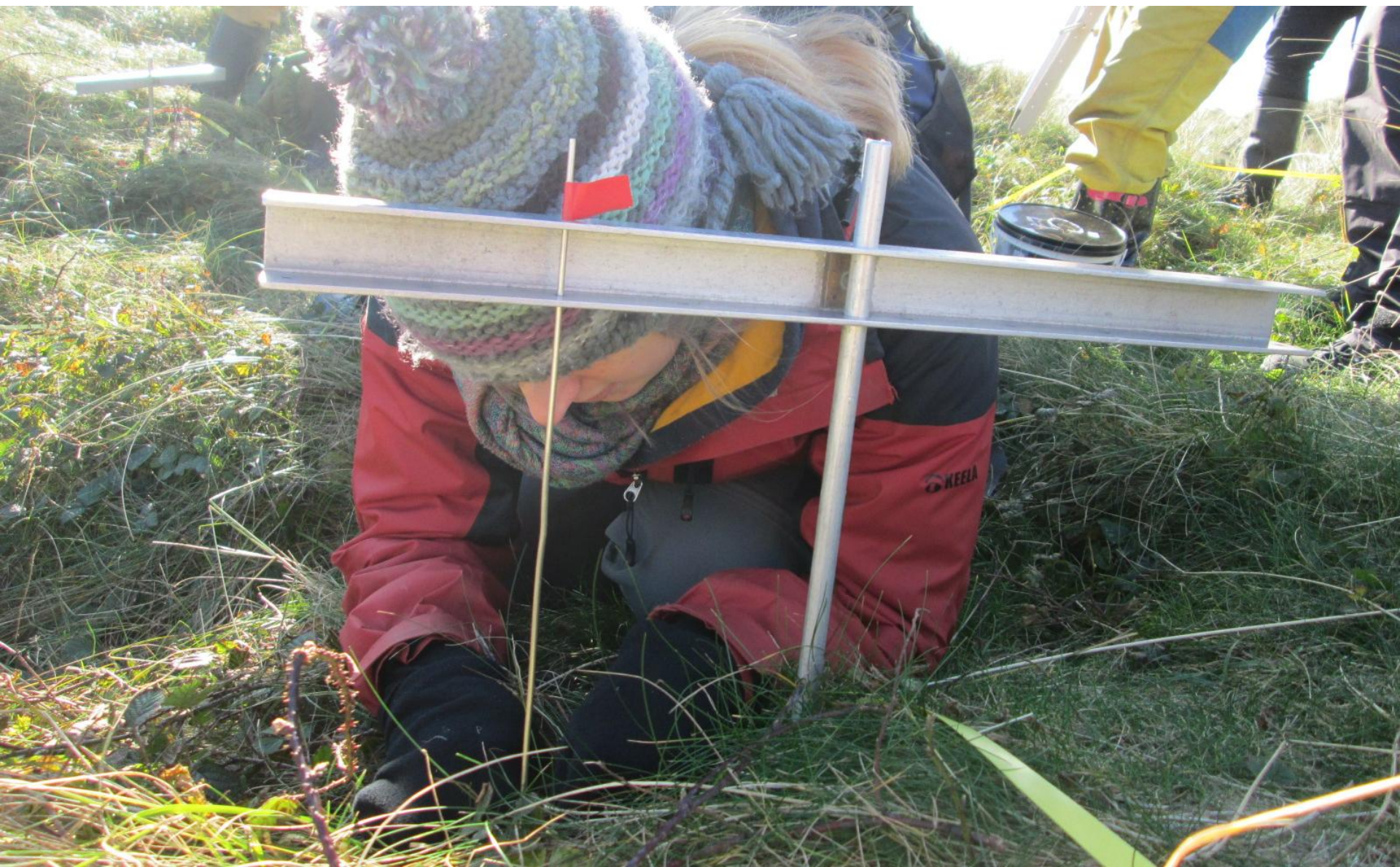


Changing Environmental Gradient

2. krok Sběr dat v terénu



2. krok sběr dat v terénu



FSC

Chi-Squared (X^2) test for association

- 1) Write a Null Hypothesis (H_0).

2) Write an Alternative Hypothesis (H_1).

3) Draw and fill in a contingency table with the **observed** values replacing any zeroes with a value of 1.

[illegible]

Děkuji za pozornost

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Horka nad Moravou

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