

Prosiect Rheoli Perygl Llifogydd Porthmadog **Diweddariad Cyngor Tref Porthmadog** **8 Chwefror 2022**

Porthmadog Flood Risk Management Project
Porthmadog Town Council Update
8 February 2022



Agenda / Agenda

- 1. Tîm Prosiect CNC / The NRW Project Team**
- 2. Y Prosiect / The Project**
- 3. Cynllun Rheoli Traethlin / Shoreline Management Plan**
- 4. Yr Her / The Challenge**
- 5. Rolau a Chyfrifoldebau / Roles & Responsibilities**
- 6. Proses y Prosiect / Project Process**
- 7. Diffinio'r Broblem / Defining the Problem**
- 8. Ymgysylltu â'r Gymuned / Community Engagement**
- 9. Sut allwn ni helpu? / How can we help?**

Tîm Prosiect CNC

The NRW Project Team



Andrew Basford

Rheolwr y Prosiect / Project Manager



Sharon Parry

Swyddog Cefnogi y Prosiect

Project Support Officer



John Meirion Davies

Uwch Beiriannydd

Senior Engineer



Y Prosiect The Project



Lleihau'r perygl o lifogydd i bobl a'u cartrefi o'r prif afonydd a'r môr dros y 100 mlynedd nesaf

Reduce risk of flooding to people and their homes from main rivers and the sea over the next 100 years

Cydymffurfio â dyletswyddau o dan Ddeddf Llesiant Cenedlaethau'r Dyfodol (Cymru)

Comply with duties under Well-being of Future Generations (Wales) Act



Y Cynllun Rheoli Morlin

The Shoreline Management Plan



Gosod dull strategol a rennir ar gyfer rheoli'r arfordir rhag perygl llifogydd ac erydu arfordirol

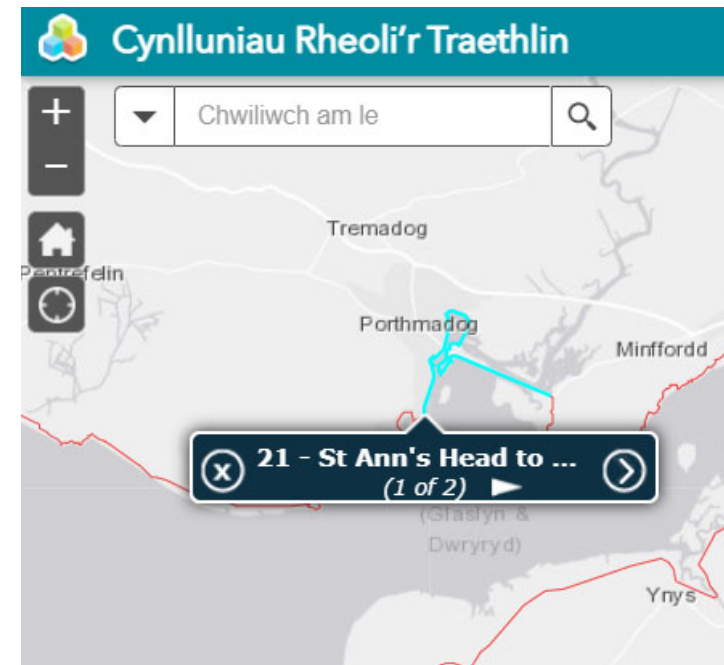
Sets out a shared strategic approach for managing the coastline from coastal flooding and erosion risks

Cynnal y llinell hyd at 2105

Dyhead i adeiladu neu gynnal amddiffynfeydd artifisial, fel bod lleoliad presennol y draethlin yn parhau. Gall hyn gynnwys cynnal neu newid safon yr amddiffyniad.

Hold the line (HTL) up to 2105

Aspiration to build or maintain artificial defences so the current position of the shoreline remains. Can involve maintaining or changing the standard of protection.



Yr Her The Challenge



Lefelau'r môr yn parhau i godi

Sea levels continue to rise

Tywydd eithafol yn amlach

More frequent extreme weather

Isadeiledd sy'n heneiddio

Aging infrastructure

Tir isel sydd wedi ei adennill

Reclaimed low-lying land



Gaeaf 2015
Winter 2015

Rolau a Chyfrifoldebau

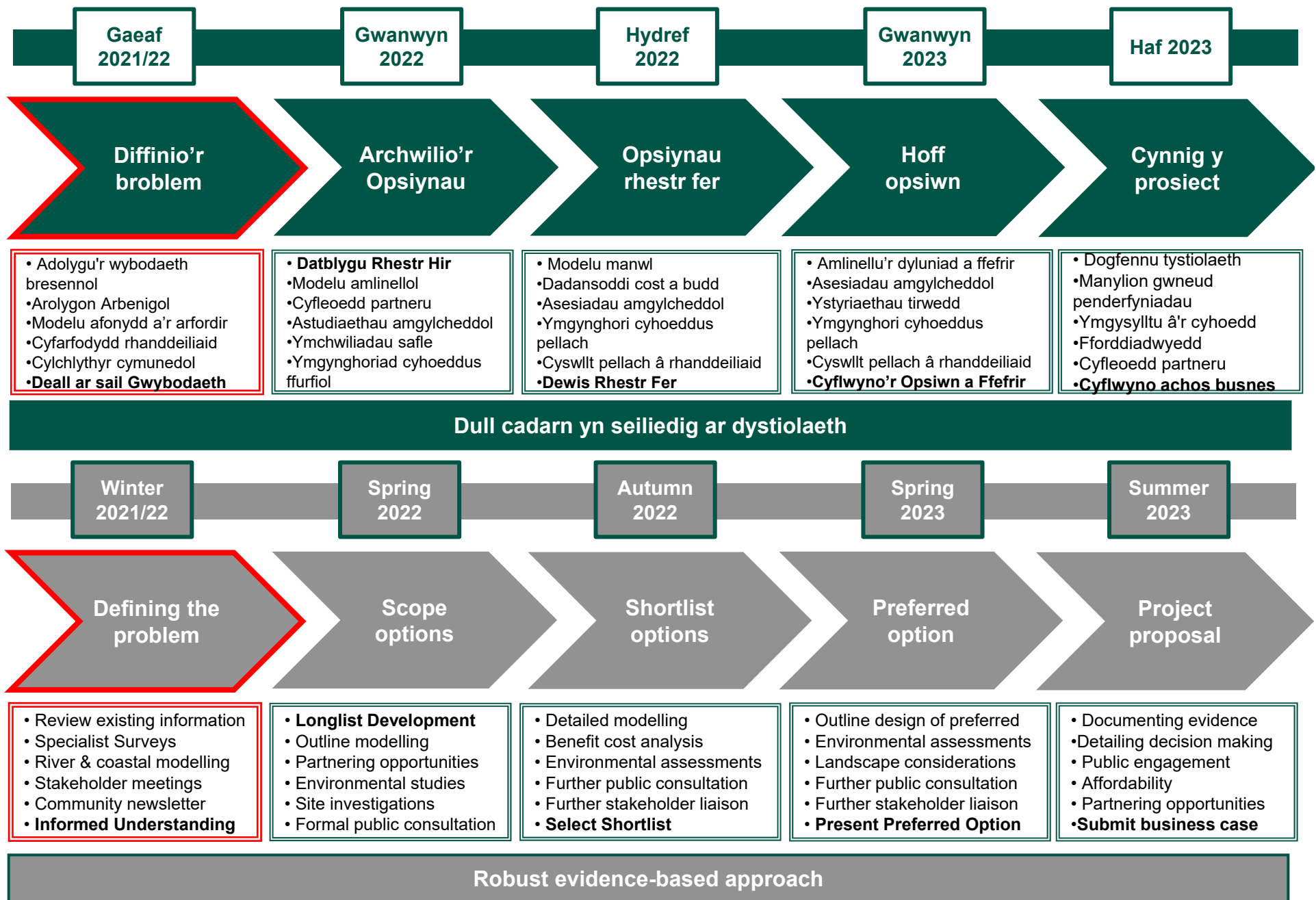
Roles & Responsibilities



Cyfoeth Naturiol Cymru	- Pwerau i reoli perygl llifogydd o'r prif afonydd a'r môr - Gwneud gwaith cynnal a chadw yn Ardaloedd Draenio Mewnol Glaslyn, Pensyflog a Llanfrothen - Rhybuddion llifogydd, safleoedd gwarchodedig a dyletswyddau cadwraeth
Natural Resources Wales	- Powers to manage risk of flooding from main rivers and the sea - Undertakes maintenance within Glaslyn, Pensyflog and Llanfrothen IDD - Flood warnings, protected sites and conservation duties
Cyngor Gwynedd	- Pwerau i reoli perygl llifogydd o ddŵr wyneb, dŵr daear ac o nentydd llai - Awdurdod Llifogydd Lleol Arweiniol
Gwynedd Council	- Powers to manage flood risk from surface water, groundwater and from smaller streams - Lead Local Flood Authority
Dŵr Cymru	- Yn gyfrifol am reoli perygl llifogydd o allfeydd dŵr gwastraff
Welsh Water	- Responsible for managing flood risk from waste-water outlets

Proses y Prosiect / Project Process

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Cam 1 – Diffinio'r Broblem

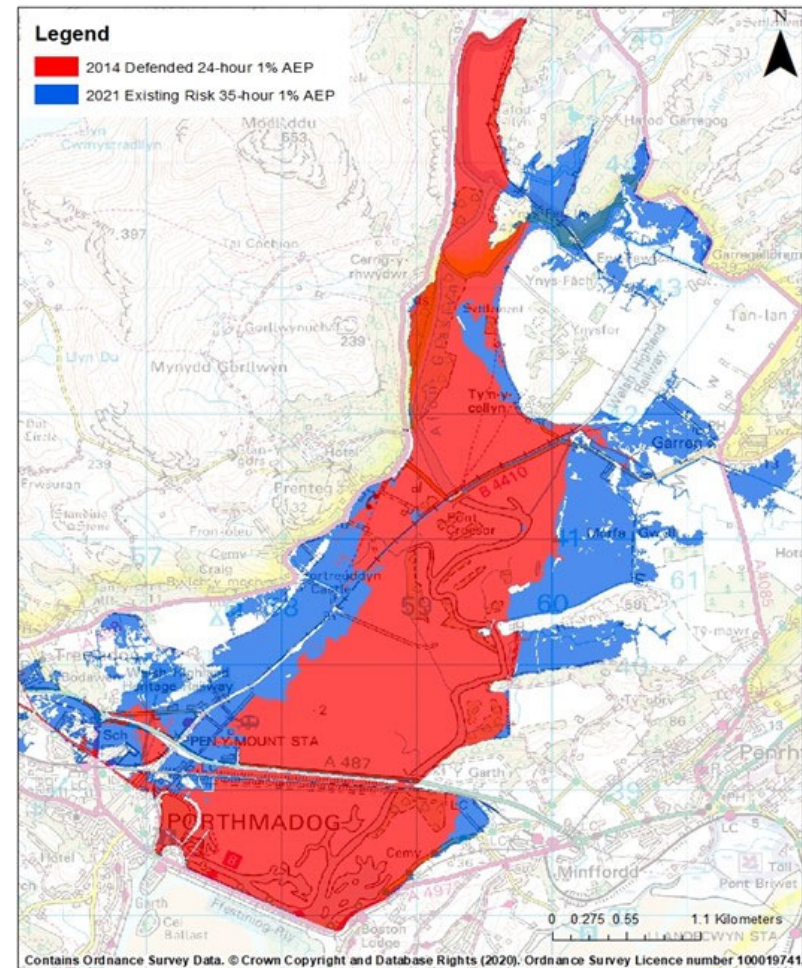
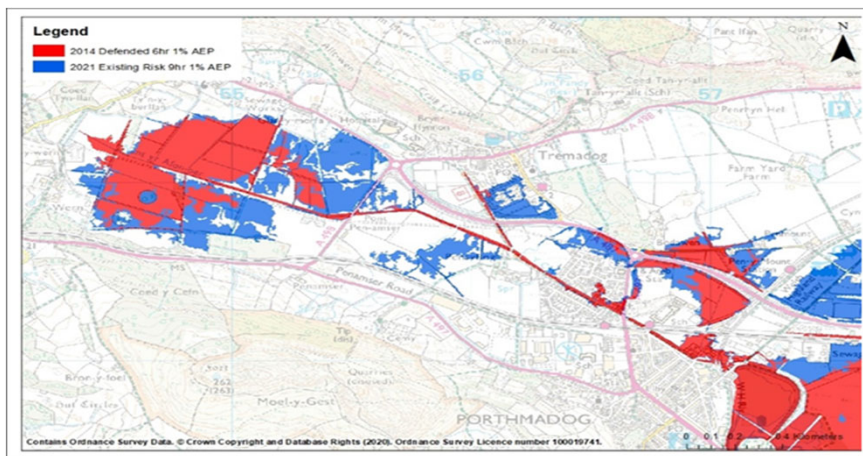
Stage 1 - Defining the Problem

Diweddariad o'r Model Hydrolig (2021)

Llifogydd dyfnach yn para'n hirach, o ddigwyddiad sydd â'r un tebygolrwydd

Hydraulic Model Update (2021)

Greater flood depth and duration for the same probability event



Cam 1 – Diffinio'r Broblem

Stage 1 - Defining the Problem



Adolygu cofnodion ac adroddiadau llifogydd o'r gorffennol

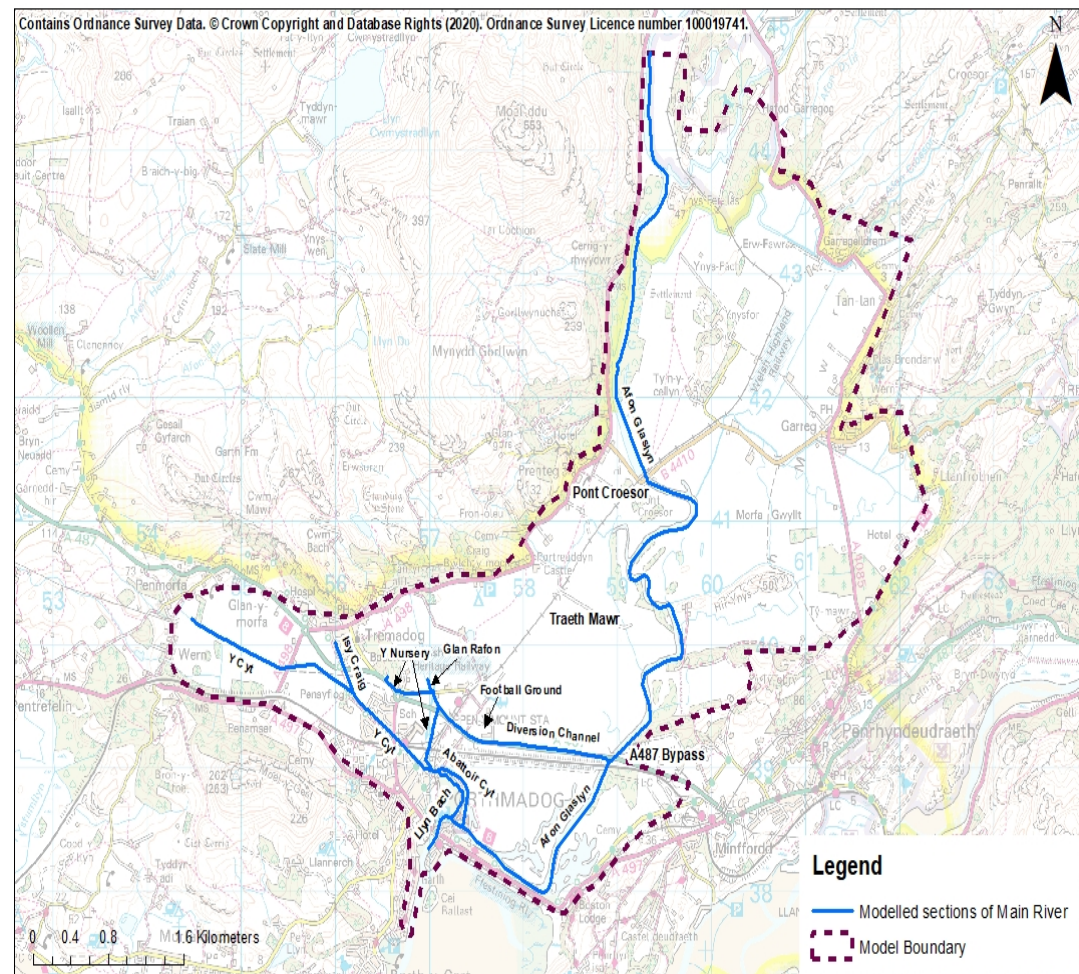
Reviewing records and past flooding reports

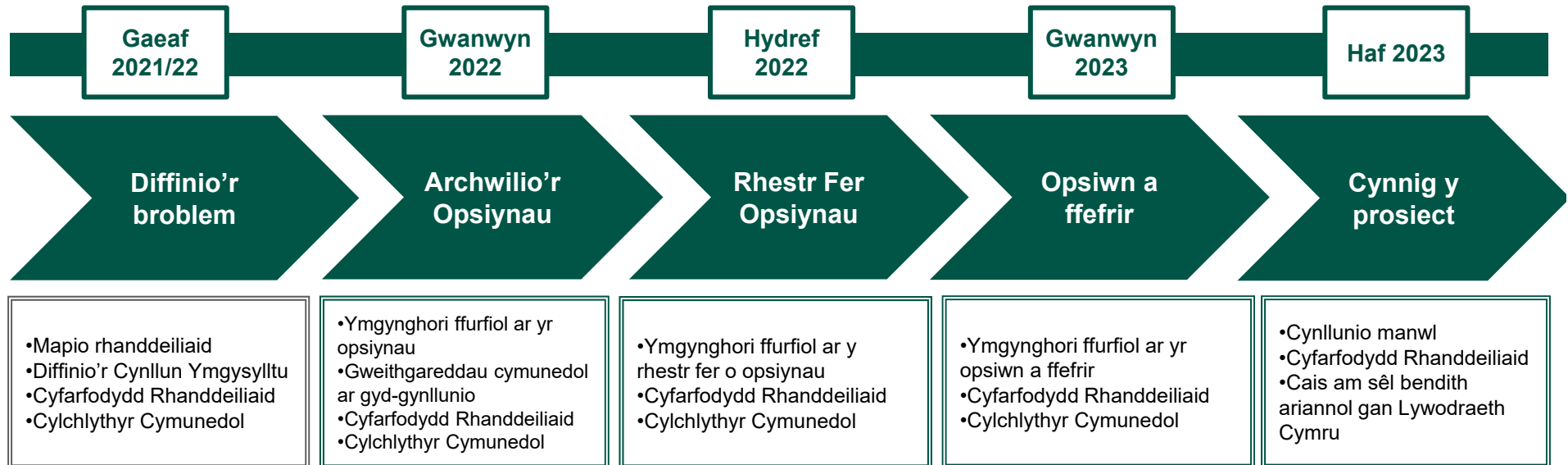
Gwneud rhagor o fodelu afonydd ac arfordiroedd

Undertaking further river and coastal modelling

Arolygon amgylcheddol arbenigol ac ymgysylltu

Specialist environmental surveys with engagement





Sut allwn ni helpu? How can we help?



Bydd cyd-weithio yn allweddol i wynebu'r sialens.

The challenges require a collaborative approach.

Bydd yr opsiynau'n cael eu hasesu ar sail gymdeithasol, economaidd a chymdeithasol.

Options will be appraised on social, economic, and environmental grounds.

Rydym yn gweithio'n galed rwan er mwyn cynllunio at y dyfodol.

We're working hard now to plan for the future.

Bydd y gymuned yn chwarae rhan hollbwysig yn y Prosiect.

The community will play an important part in the Project.

Diolch i chi am wrando
Thank you for listening

