

Decisions for Future Generations



Penny Gruffydd
Sustainable Policy Officer

Strategic Planning and Natural
Environment

Swansea Council

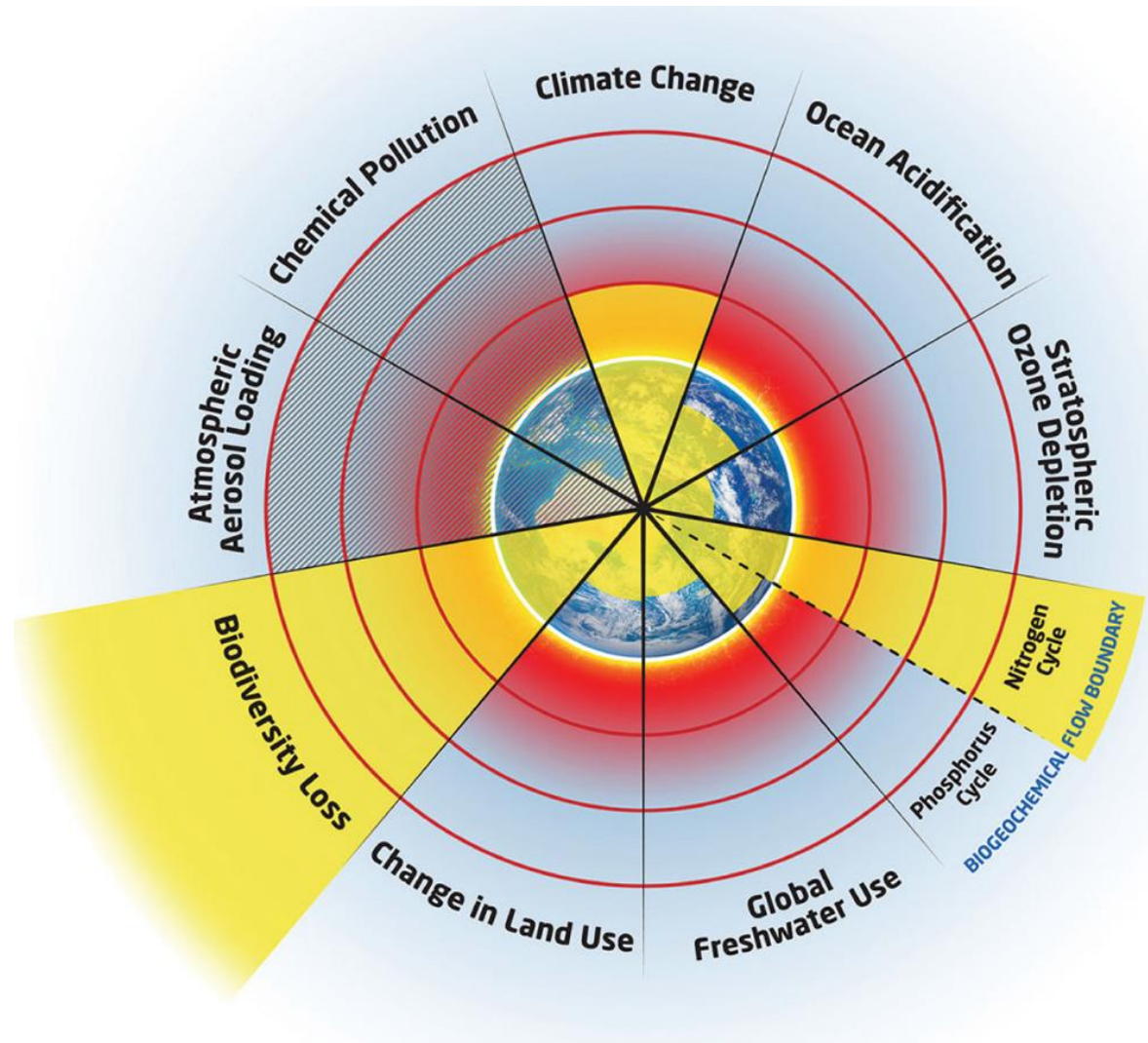


Today's session

1. Wales legislation for improving wellbeing
2. Acts in Action – Applying the act to the practical activity
3. How you can get involved



Nine Planetary Boundaries



Population change	Climate change	Economic change	Citizen disengagement	Health / Social trends	Resource usage
Aging population	Weather patterns /	Falling incomes	Apathy	Heat related deaths	Energy
Housing			Lack of trust		Food security
Migration	Extreme weather events	Price rises	Lack of empowerment	ACES	Farming and land use
Immigration		Poverty		Demand	
Older work force	Bio-diversity	Skills gap	Low voter turn out	Life styles	Infrastructure
Household make up	Water quality and availability	Austerity		E Health	Finite resources
Student population	Flooding	Culture	Erosion of community cohesion	Welsh Language	Digitilisation
	Air quality	Globalisation		Mental health	Smart technologies
Increased child population	Sea level rise	De-industrialisation	Increased inequalities	Elderly care	Transport
	Geopolitical instability	Robotisation	Community safety	Drug resistance	Supply chains
		Knowledge economy		Social media	

National Policy and Legislation



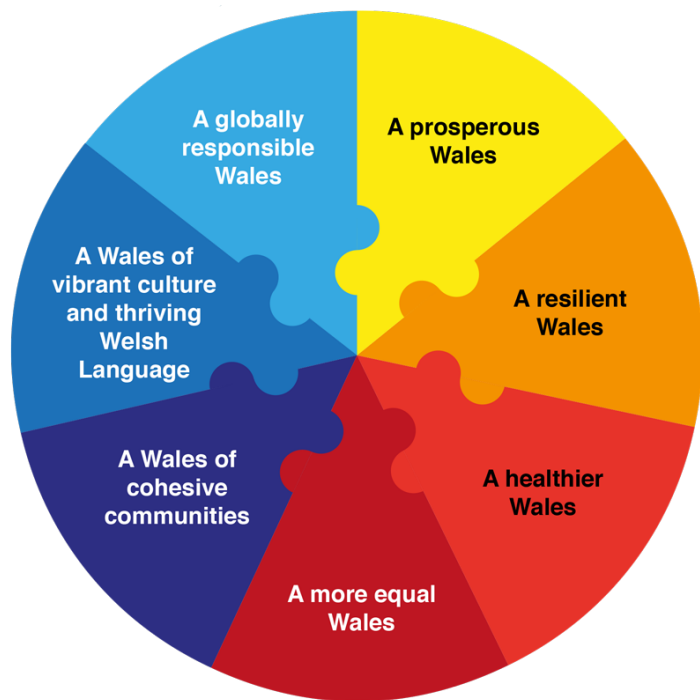
The Wellbeing of Future Generations Act (Wales) 2015



**“sustainable development”
means the process of
improving the economic,
social and environmental
and cultural well-being of
wales by taking action, in
accordance with the
sustainable development
principles, aiming to achieve
the well-being goals.**



National Wellbeing Goals and Ways of Working



Long term



The importance of balancing short-term needs with the need to safeguard the ability to also meet long-term needs.

Prevention



How acting to prevent problems occurring or getting worse may help public bodies meet their objectives.

Integration



Considering how the public body's well-being objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.

Collaboration



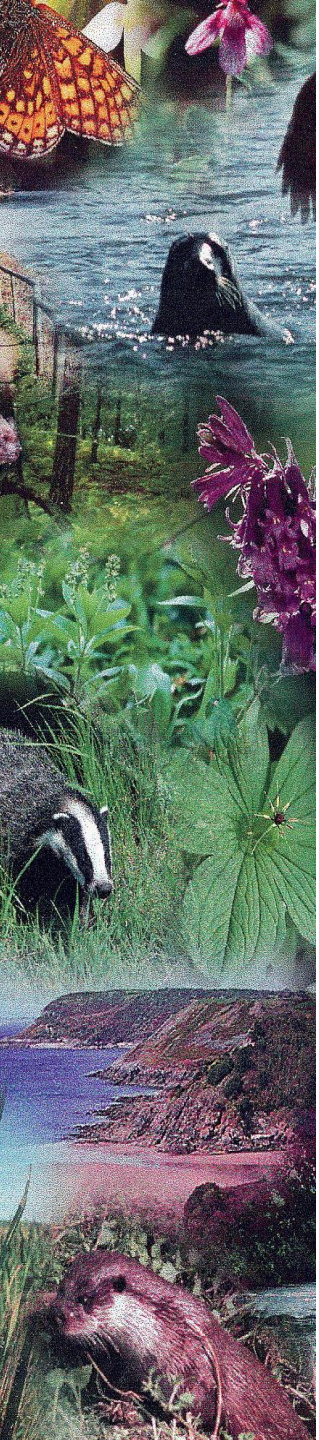
Acting in collaboration with any other person (or different parts of the body itself) that could help the body to meet its well-being objectives.

Involvement



The importance of involving people with an interest in achieving the well-being goals, and ensuring that those people reflect the diversity of the area which the body serves.





Environment (Wales) Act 2016

PART 1 :The sustainable management of natural resources (SMNR)

The overall objective is to help to reverse biodiversity decline and to maintain and enhance the resilience of ecosystems and the benefits they provide.

Section 6 : The Biodiversity and Resilience of Ecosystems Duty

A public authority must seek to maintain and enhance biodiversity in the exercise of functions in relation to Wales, and in so doing promote the resilience of ecosystems, so far as consistent with the proper exercise of those functions

Planning Policy Wales10



Sustainable Urban Drainage (SuDS) Standard 2019

Standard makes sustainable drainage systems on new developments mandatory

6 standards:

- Surface Water runoff destination
- Surface water run off hydraulic control
- Water quality
- Amenity
- Biodiversity
- Design of drainage for construction, operation and maintenance



Swansea: Challenges ahead

- Delivering a Successful & Sustainable Swansea
- The challenges ahead:
 - Population changes – a growing, ageing and more diverse Swansea.
 - Economic changes – attracting investment, high quality jobs and new technology into Swansea while addressing the skills gap.
 - Climate change – risks from flooding, air and water quality, dangers to ecosystems and biodiversity and energy security.
 - Social and cultural changes – addressing inequalities in health, education,



Swansea Council Well-being Objectives

- **Safeguarding** people from harm – so that our citizens are free from harm and exploitation.
- Improving **Education & Skills** – so that every child and young person in Swansea gains the skills and qualifications they need to succeed in life.
- Transforming our **Economy & Infrastructure** – so that Swansea has a thriving mixed use City Centre and a local economy that will support the prosperity of our citizens.
- **Tackling Poverty** – so that every person in Swansea can achieve his or her potential.
- **Transformation & Future Council** development – so that we and the services that we provide are sustainable and fit for the future.
- Maintaining and enhancing Swansea's **Natural Resources and Biodiversity**



Swansea Public Service Board Local Wellbeing Plan



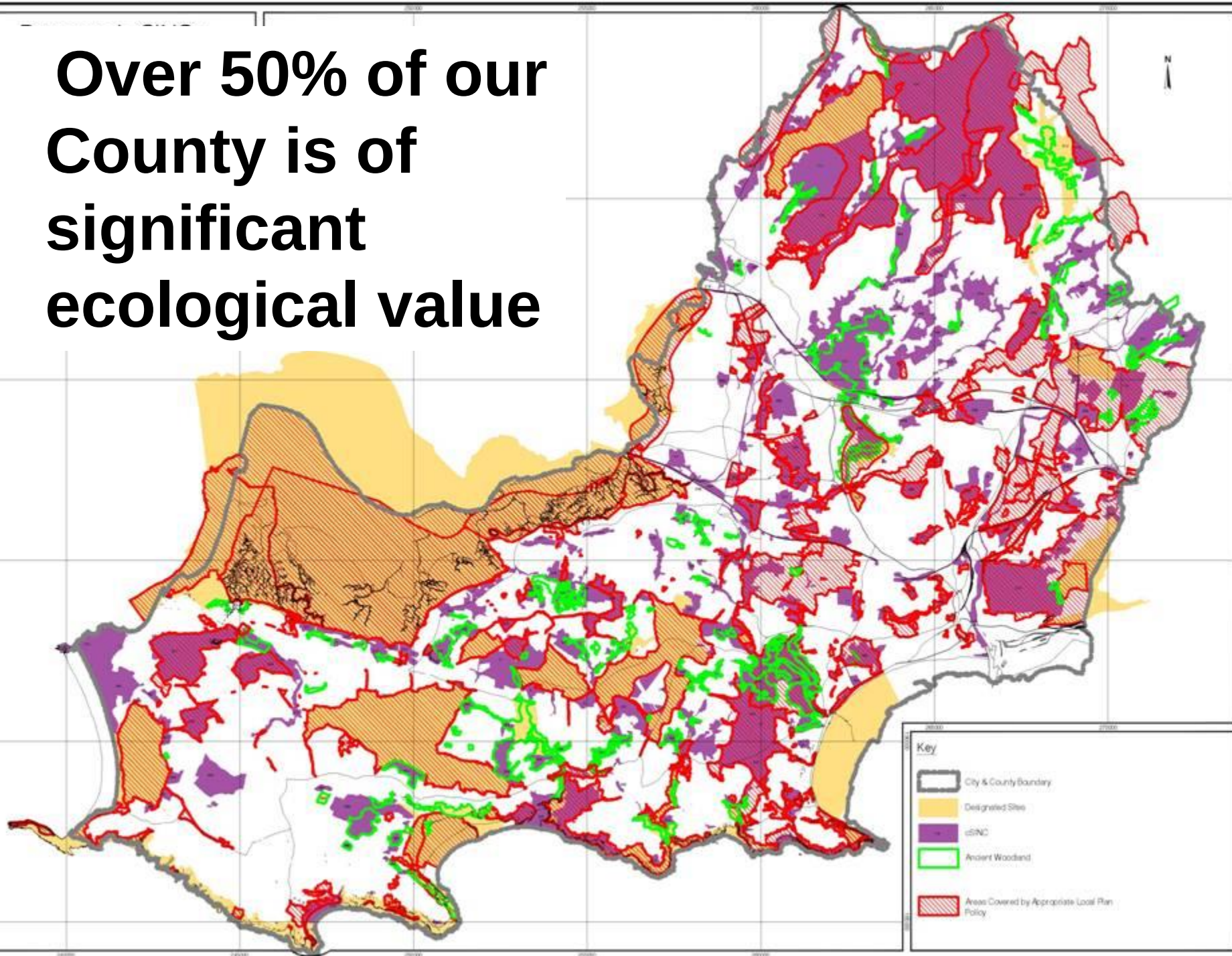
#citynature

#naturnynyddinas

**Come Live, Work, Play
in Our Nature City**

Follow the team: @frolfey @natresWales @swanseaCouncil @greeninfracons

**Over 50% of our
County is of
significant
ecological value**





Woodland



Wetlands



**Grassland, Heathland
& Meadow**



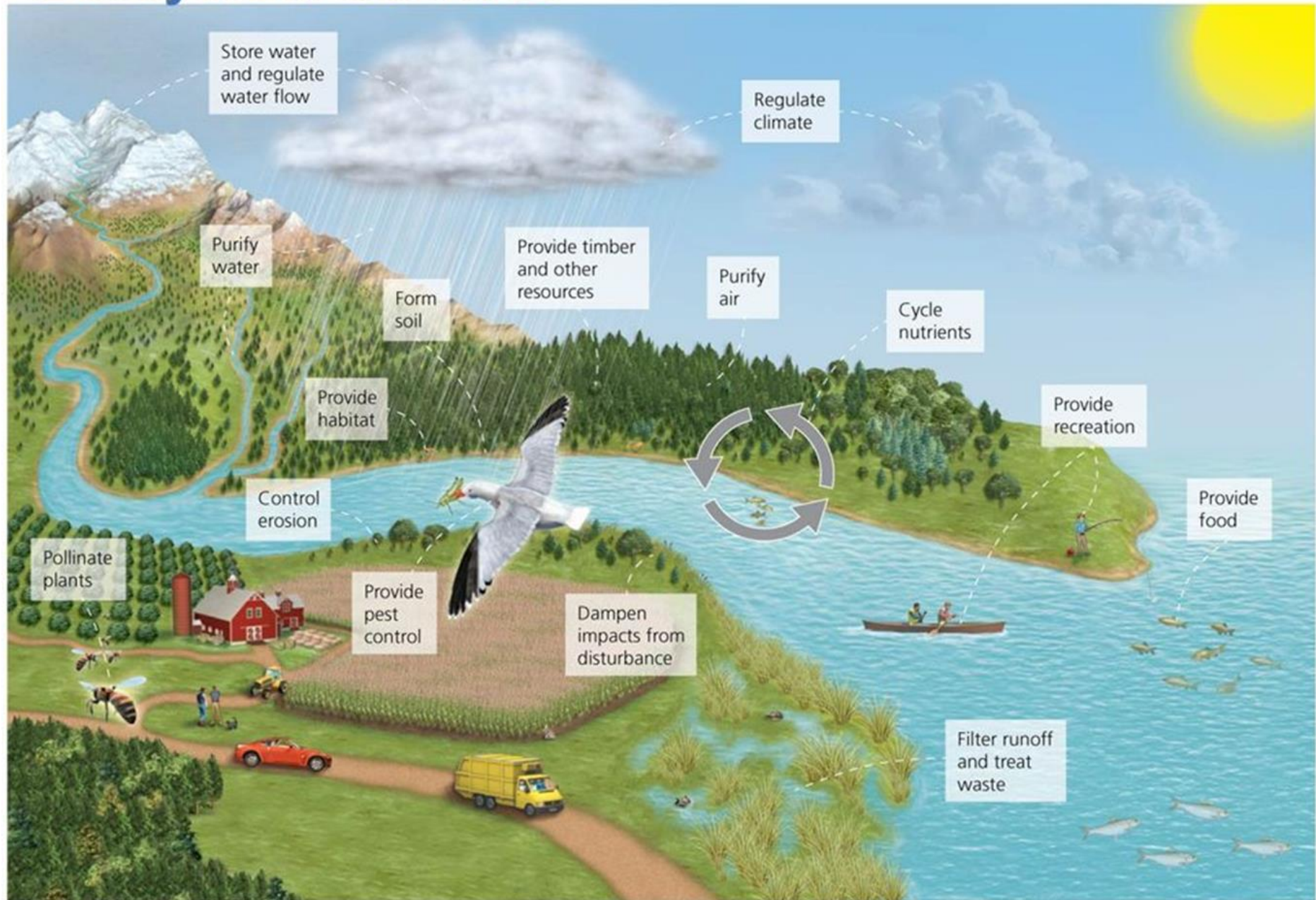
Marine & Coastal





Urban

Ecosystem Services



Green Infrastructure Strategy



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**



**Cyngor Abertawe
Swansea Council**

Swansea Central Area -
Regenerating Our City for
Wellbeing and Wildlife

August 2019

CONSULTATION DRAFT



**Green
Infrastructure**
consultancy

"Taking kids shopping is a headache. 30 minutes break for free play is a life line. Children don't have that chance today."

Anonymous shopper, Swansea Quadrant

"The realisation is growing around the world that it is not enough for real estate to be able to just tick all the boxes for sustainable technology. Real estate is always set within a bigger and richer context. People are increasingly seeking and expecting to encounter an experience of a place wherever they live, work, play, stay, make, shop, visit or rest, rather than just a collection of buildings, however green they may be. If any individual piece of real estate cannot add this sort of value that the occupiers expect, then its appeal and price will lower. To achieve this greater value, investors in real estate need to enhance the occupier's experience and be capable of adapting to the many changing needs and conditions that the future will throw at them. If real estate fails to do this, then it is incapable of being sustainable."

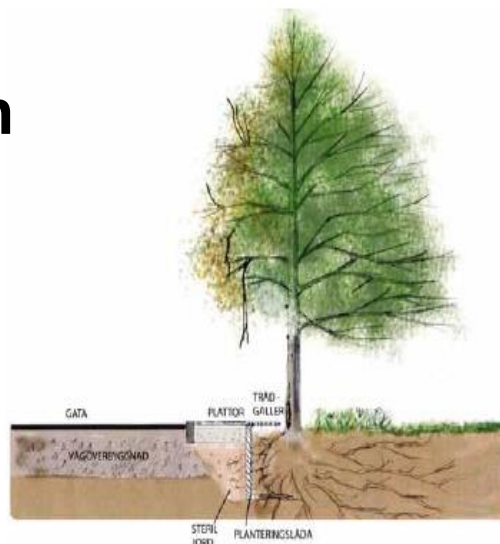
Professor Yolanda Barnes of the Bartlett, UCL

"A city that is green is a City where I want to be seen.
A City that is bare is a city that does not care"

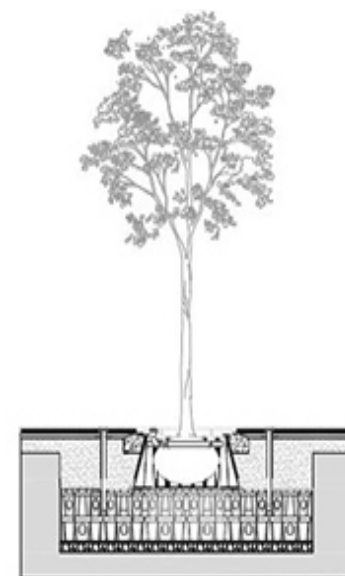
Anonymous member of the public 2019 Swansea City Green Infrastructure community engagement.

Guiding Principles:

- Work with nature, not against it
- More soil, vegetation & water (green & blue infrastructure)
- Multi-functional approach
- Not just more greening but cleverer greening



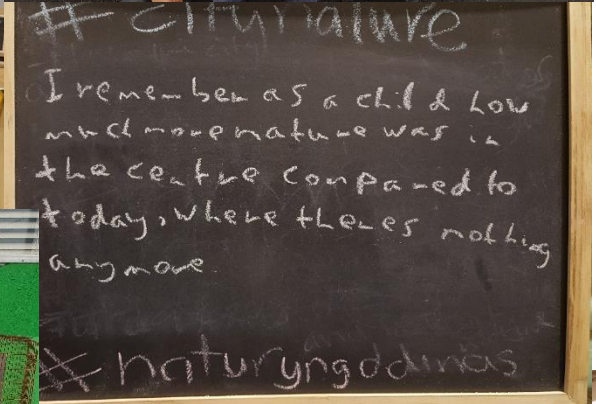
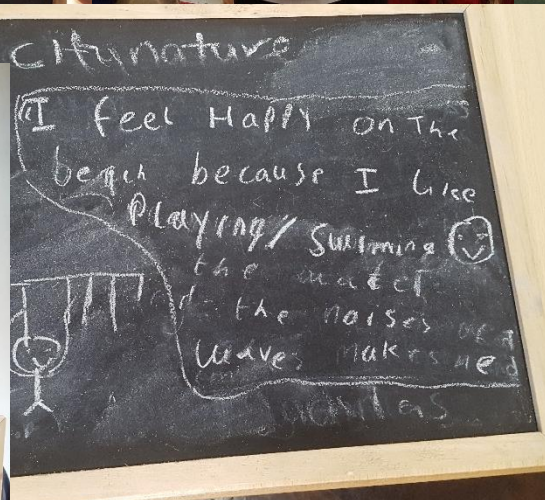
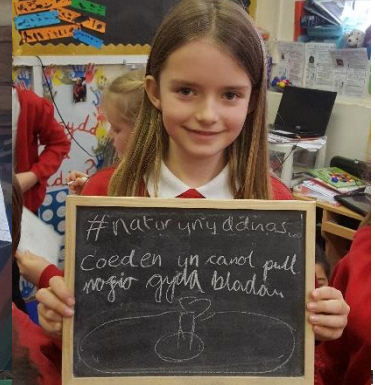
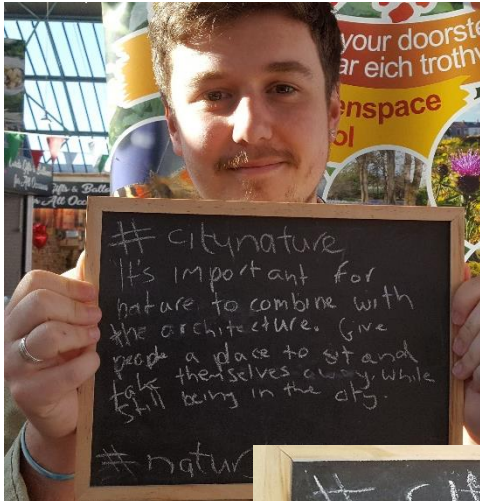
Typical Street Tree



Street Tree with
Soil Cells

“Culture eats strategy for breakfast”

Peter Druker, Management Consultant



The Vision:

High quality multifunctional green infrastructure delivers resilience, prosperity, nature, health, well-being and happiness to the citizens and visitors of Swansea.



6 Over Arching Strategic Objectives

1. Provide a high-quality environment
2. Creating a distinctive destination city
3. Adapt to Climate Change by becoming a:
 - Sponge City
 - Mitigating urban heat island effect
 - Maintaining and enhancing Swansea City's natural resources and biodiversity
4. Involve, engage and educate communities
5. Lead by example
6. Attain wildlife and well-being friendly city status, such as;
 - Biophillic City
 - National Park City
 - UNESCO Biosphere
 - Woodland city



We will achieve these by:

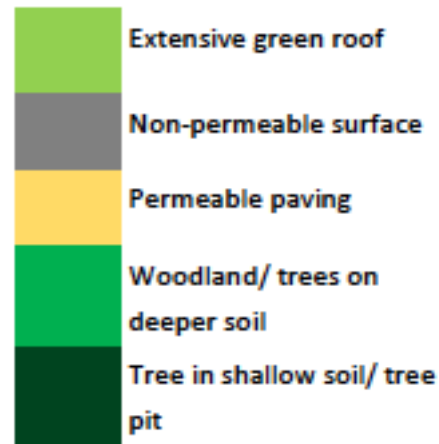
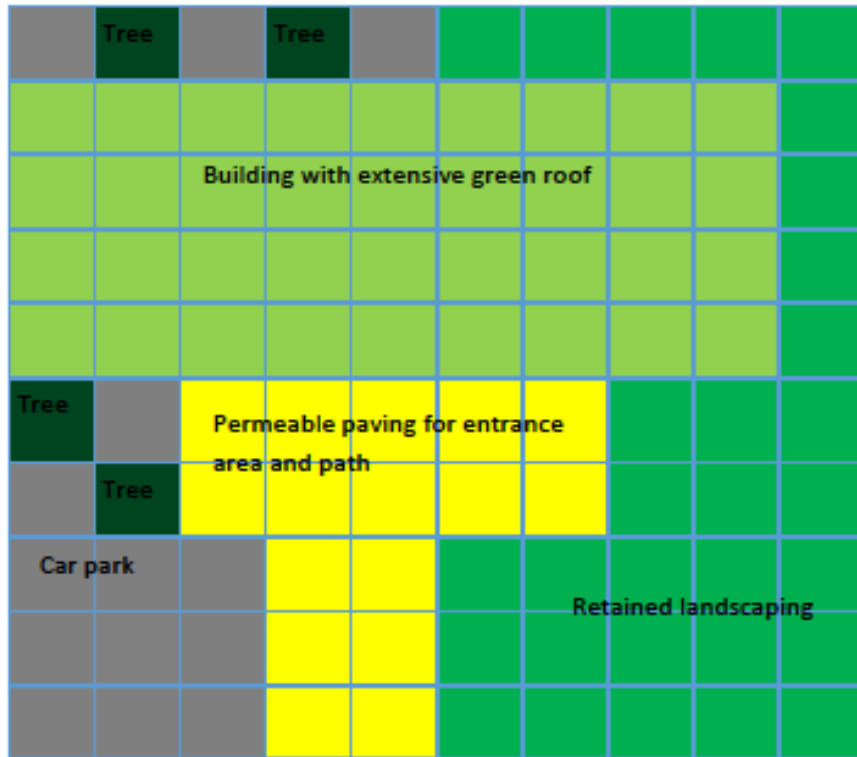
- ✓ Increasing terrestrial green infrastructure to **26% by 2030**
- ✓ Increasing canopy cover to **25% by 2044** by planting species which provide the most effective mix of multiple benefits.
- ✓ Expecting developers to meet the **UK Green Roof Code of Practice 2014** which sets minimum standards for the design, installation and maintenance of green roofs
- ✓ Expecting developers and planner to use tools such as the **Green Space Factor** and **CAVAT** to demonstrate compliance with our ambitious targets and relevant legislative requirements.
- ✓ Become a **Trees in the Townscape champion** by official endorsing the 12 Trees in the townscape principles in Swansea city.
- ✓ Developing resilient communities by creating champions through high level engagement.



Green Space Factor: how it works

- ❖ A tool for measuring quantity and function of green infrastructure proposed as part of planning applications;
- ❖ Aimed at securing quantity and multi-functionality of GI;
- ❖ Encourages developers to include more GI (notably green roofs and living walls) but allows flexibility;
- ❖ Used to inform planning officers;
- ❖ Can be used to test options; and
- ❖ Usually applied to particular zones within a city.

Example



FactorArea (m2)

0.6 36

0 14

0.2 16

1.0 30

0.6 4

Site =
100m2

Credit: Southampton City Council

An example of a proposed development

Calculation

$$\frac{(\text{Factor A} \times \text{Area}) + (\text{Factor B} \times \text{Area}) + (\text{Factor C} \times \text{Area}) \text{ etc}}{\text{Total Site Area}}$$

$$\frac{(0.6 \times 36) + (0 \times 14) + (0.2 \times 16) + (1 \times 30) + (0.6 \times 4)}{100}$$

$$\text{Score} = 0.57$$

Factor	Area (m ²)
0.6	36
0	14
0.2	16
1.0	30
0.6	4

Site =
100m²

What area target should be set?

- ❖ Commercial/Residential?
- ❖ Advisory or Mandatory?
- ❖ Particular regeneration sites?

**Typical
target = 0.4**

The strategy and legislation

- Wellbeing of Future Generations Act:
 - Strategy contributes to the wellbeing goals
 - Placed ways of working at the heart of the process
- Environment Act:
 - Focus on ecosystem reliance
 - Principle – biodiversity
- Planning Policy Wales:
 - Strategy supports Councils Local Development Plan, and will work with emerging:
 - SPG on Green Infrastructure
 - SPG Biodiversity
 - Corporate Tree Policy
- SuDS Standard:
 - Strategy and Green Space Factor Tool will help achieve SuDS
- Also delivers Corporate objective and PSB Working with Nature objective



What now....

- Public Consultation today until 31st December
- Online survey, Face to Face conversations - Swansea Market 4 local primary schools
- And then.....
- County wide GI Strategy –
 - #natureinyourspace #eincynefin
- #Natureinourplace #natureoursenseofplace



