

Ymddiriedolaethau Natur **Cymru** Wildlife Trusts **Wales**

Local to Global

The Global Biodiversity Framework and what Wales needs to do to implement it



The Global Biodiversity Framework

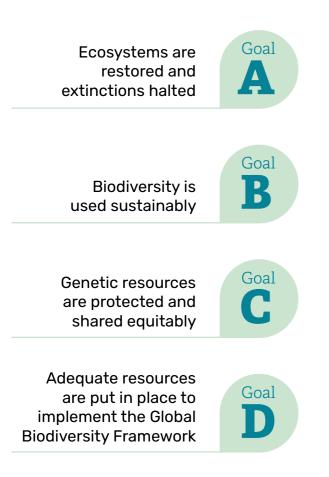


he sixteenth meeting of the Conference of the Parties (COP 16) to the Convention on Biological Diversity (CBD) will take place in Cali, Colombia from 21st October to the 1st November 2024¹.

The Convention on Biological Diversity is a vitally important global treaty. The world's biodiversity is fast decreasing and action is urgently needed to prevent ecological collapse. The 2021 Dasgupta Review of The Economics of Biodiversity, commissioned by HM Treasury warns that "our unsustainable engagement with nature is **endangering the prosperity of** current and future generations"2. A recent report found that nature degradation could cause a 12% loss to UK GDP³ and stressed the need to recognise and address these risks to strengthen the UK's financial resilience. As with climate change, a global approach is needed to tackle the problem.

In 2010, a Strategic Plan for Biodiversity was agreed with 20 targets (the Aichi targets) to be achieved by 20204. Implementation was disappointing. At a global level, none of the targets were fully achieved and in the UK, nature continued to decline⁵.

Following this, a new Global Biodiversity Framework was agreed at the last Conference of the Parties (COP 15), in Montreal Canada, December 2022. The Kunming-Montreal Global Biodiversity Framework put forward a new bold plan with the express aim to halt and reverse biodiversity loss by 2030. Among the Framework's key elements are four goals for 2050:



To put the world on course to meet these goals, the Framework sets out 23 action-oriented global targets to be completed by 2030. Perhaps the best known of these is target three – to protect and manage at least 30% of land, inland waters and seas by 2030 (often referred to as "30x30"). The actions set out in each target need to be initiated immediately by national governments and completed by the end of the decade (see Figure 1).

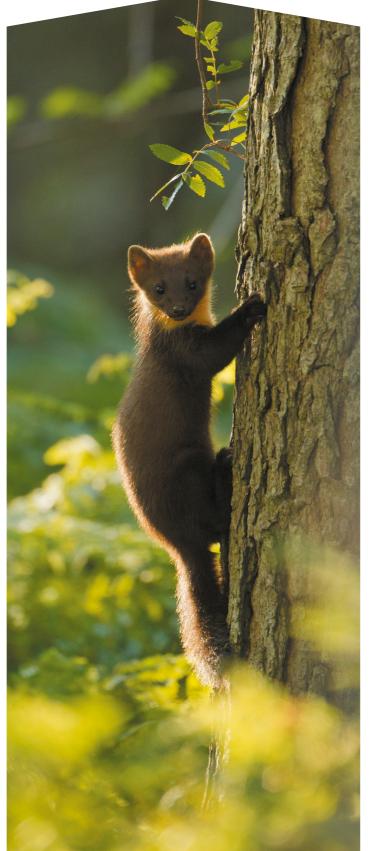


Figure 1: Kunming-Montreal Global Biodiversity Framework Themes and Targets



The upcoming COP16 will be the first opportunity for the world to take stock of monitoring and progress towards the Global Biodiversity Framework, and for the Welsh Government to demonstrate its intentions for bold and ambitious action for nature at home and on the international stage.

The new goals and targets in the Global Biodiversity Framework go Wales has undertaken a Biodiversity Deep Dive to examine how way beyond the ambition of those agreed in 2010, with a welcome Wales could reach its 30 by 30 commitment. Although planning focus on bending the curve of nature loss, rather than just halting its and invoking a joint approach the proof of this process will need decline. This report looks where implementation is urgently needed to backed by action now otherwise Wales will continue to one of to ensure nature's recovery by the end of the decade under the the most nature depleted countries in the world. three target headings of reducing threats to biodiversity; meeting people's needs through sustainable use and benefit-sharing, and tools and solutions for implementation and mainstreaming. The upcoming COP16 represents a chance for the new Welsh

Government to think globally while it acts locally; putting in place the highest possible level of ambition to implement the Global Biodiversity Framework nationally.

| ems | 3 | Protect and conserve areas | 4 | Halting species extinctions and reducing extinction risk |
|---------------------------|----|---|----|---|
| ve es | 7 | Reducing negative impact of pollution on biodiversity | 8 | Minimise impacts of climate change |
| eries aged | 11 | Restore, maintain and enhance nature's contributions to people, including ecosystem functions and services | 12 | Urban blue and green spaces |
| rsity es, ning t | 15 | Integrate legal, administrative or policy measures within business and financial institutions | 16 | Encourage and enable sustainable consumption choices |
| out ves, ies | 19 | Substantially and progressively increase the level of financial resources | 20 | Strengthen capacity- building and technical scientific cooperation |
| 5 | 23 | Ensure gender equality | | Global Biodiversity Framework |

Now is the time to move from inspiring words to ambitious action on the ground. The Welsh Government must present a bold action plan ahead of COP16 to show it is doing its part and to re-establish its role as a global environmental leader.

Overall responsibility for fulfilling the UK's commitments as a Party to the Convention on Biological Diversity lies with the UK Government. However, as environmental policy is a devolved function, the four countries of the UK are each responsible for developing their own approaches towards meeting biodiversity commitments.

Reducing threats to biodiversity

Targets

- **1** Plan and manage all areas to reduce biodiversity loss
- **2** Restore 30% of all degraded ecosystems
- **5** Conserve 30% of land, waters and seas
- 4 Halt species extinction, protect genetic diversity and manage human-wildlife conflicts
- **5** Ensure sustainable, safe and legal harvesting and trade of wild species
- Reduce the introduction of invasive alien species by 50% and minimise their impact
- Reduce pollution to levels that are not harmful to biodiversity
- 8 Minimise the impacts of climate change on biodiversity and build resilience

Over the last 50 years, nature across Wales has become damaged and degraded, with biodiversity decreasing in abundance decade after decade. The State of Nature Report 2023 showed that species abundance has declined on average by 19% since 1970, with even greater declines seen in insect populations. It also reports that nearly one in six species are now threatened with extinction in Wales.

Unsustainable agricultural practices and climate change have had the greatest impact, whilst pollution and the impacts of development are a growing factor in declines.

Millions fewer birds, mammals and fish live in our skies, our rivers, our seas, meaning nature is now struggling to provide the services we take for granted: crop pollination, flood water absorption, carbon sequestration and clean water.

This decline is reversible. The knowledge and skills exist to restore nature, but strong political will is needed to make this a reality. Action is needed everywhere – to manage the sites already designated for their nature value and bring them back into good condition, to restore degraded habitats and to manage the wider landscape – rural, urban and marine – so that nature can thrive alongside other land and sea uses.

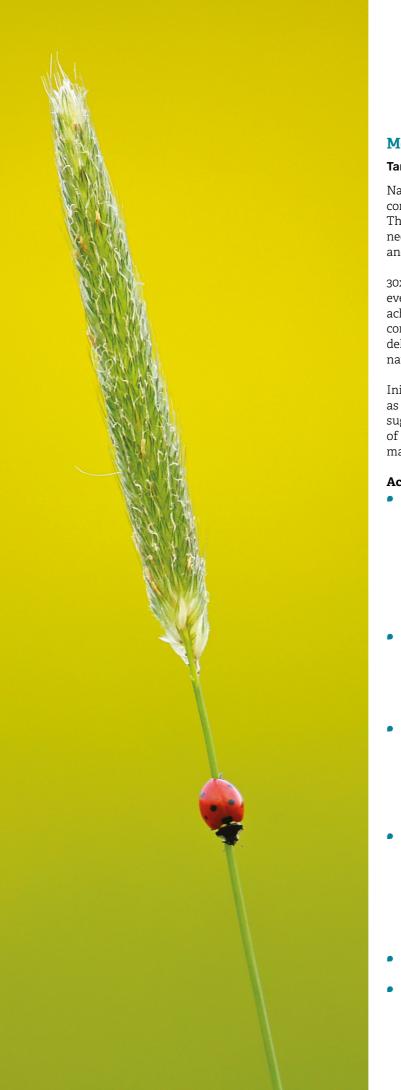
Spatial planning

Targets 1 3 4 8

Space in Wales is finite and there are many competing aspirations for how our land and seas should be used. A national strategic, spatial approach to planning the use of both is needed to reduce and avoid conflict. This approach needs to be fully cross-departmental to ensure policies for planning, transport, energy, food and nature are all aligned.

Actions

- In Wales, the Welsh Government must publish comprehensive, cross-departmental, national spatial plans for land and sea:
- A Land Use Framework with robust links to the planning process, that shows how and where 30% of land will be effectively conserved and restored by 2030, and includes adaptation and mitigation for climate change. It should comprise an overarching framework to guide prioritisation for land use change and a national spatial plan that broadly identifies constraints and opportunities for land use.
- A marine spatial plan that uses an ecosystem approach to balance the needs of current and future generations. It should integrate all activities to avoid unintentional harm and maximise the benefits of healthy marine ecosystems. In particular, the UK Government's mission to deliver clean power by 2030 must be achieved in a nature-positive way, avoiding harm to marine biodiversity; we cannot solve one global crisis by making another worse.
- Any future changes to Wales planning system must deliver for nature, climate and people. Protections for nature in the planning system must be maintained.
- The planning system should also support the development of comprehensive Local Nature Recovery Strategies, which identify local land use priorities through consensus and stack up to meet national targets though the Land Use Framework. The duty to take account of Local Nature Recovery Strategies needs to be well implemented through proper guidance to ensure local development avoids key nature sites.



Meeting 30x30 and species recovery

Targets 2 3 4 7

Nature needs more space managed for its recovery and connected to allow species room to adapt to a changing climate. The science shows that to turn the tide on nature's decline, we need to protect and manage at least 30% of lands, fresh waters and oceans by 2030 (30x30).

30x30 is the biggest conservation commitment the world has ever seen. To date, more than 190 countries have committed to achieving the global goal. The Biodiversity Deep Dive has not concluded but the findings of this work needs to focus into deliverable pathways. An independent review is needed to set nature recovery pathways to 2030.

Initial estimates show that only 11% of land is protected as SSSI but half of these sites are not effectively manged suggesting a starting point of 5% of land. In our seas only 3% of Marine Protected Areas have all their features in favorable management.

Actions

- A cross-government delivery project is needed to protect and restore at least 30% of land and sea for nature by 2030, in line with international standards. A new Wildbelt designation to protect sites that are in recovery for nature should be introduced to accelerate progress towards the target. This is a chance to capture the public's imagination by connecting the existing tools to make more space for nature under a single, new designation to deliver positive change for people and nature.
- The suite of Sites of Special Scientific Interest (SSSIs) should be improved and completed to include all areas that meet the criteria, not just a representative selection. Sites must be effectively conserved and managed, making clear progress towards getting 75% of sites into good condition by 2042.
- At sea, fully protected marine areas prohibiting damaging activities, must be designated to enable marine habitats to recover. Damage to Marine Protected Areas must be stopped, through a presumption against development within Marine Protected Areas, including offshore wind farms and byelaws that ban destructive practices such as bottom trawling.
- Over eighty per cent of Wales is farmed; the way this land is managed has a huge impact on biodiversity. Funding for the Sustainable Farming Scheme should be increased to meet the scale of need and a greater proportion allocated to Options and Collaborative tiers. The Welsh Government should also set out what contribution these schemes will make to 30x30, species recovery and other environmental targets.
- Legally protect and license wild beaver reintroductions.
- Raise the ambition to enable new high integrity green financing in Wales to support natures recovery.

Tackling pollution

Target 7

Sewage, wastewater and agricultural pollution are all suffocating our rivers and the wildlife that depends on them. It is a problem that affects almost all our rivers, lakes and estuaries. Welsh seas are being poisoned by sewage discharges and river pollution is draining into them on a daily basis. The new Welsh Government should take the opportunity for a clear reset on this.

In Wales the problem of river pollution is not just from sewerage works. Rivers such as the River Wye are predominately polluted by agricultural runoff. This has to be tackled by strengthening the Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021.

In the farmed landscape, basic regulation to protect water quality is lacking and the requirement to introduce a new National Action Plan on the Sustainable Use of Pesticides is more than six years overdue. Cuts to regulatory agencies and environmental protection budgets over the past decade mean regulations are rarely enforced. Measures to tackle pollution are often piecemeal and not located where they would be the most effective. Improvements need to be targeted to ensure they are effective and represent best use of taxpayer funds.

Actions

- Enforce the law reverse the trend of undermining and underesourcing our enforcement bodies, providing strong political support for bodies like Natural Resources Wales and, when forming a new Welsh environment watchdog, ensure they can monitor and inspect waterbodies and enforce penalties when the law is broken.
- Halve nutrient pollution by 2030 through the Sustainable Farming Scheme (SFS) to fund:
- delivery of better buffers (substantial swales of grasses, wildflowers, shrubs and trees can trap farm pollution, provide shade to protect against climate stresses and create wildlife habitat),
- measures that build up the vital organic parts of the soil, such as living organisms and fungi, that help improve soil structure to ensure it holds more water, and, and
- create Catchment Nutrient Budgets to ensure that reductions are ecologically targeted.
- Put in policy that promotes large-scale river restoration, and supports the network of local river-catchment partnerships to deliver this
- A credible National Action Plan for the Sustainable Use of Pesticides that delivers an ambitious quantitative UK pesticide reduction target to reduce the overall use of – and risk from – chemical pesticides by 2030.

Taking action for nature and climate Target 8

The climate and nature crises are intertwined. The climate crisis is driving nature's decline but nature is currently the only cost-effective mechanism of removing carbon dioxide from the atmosphere, such as through woodland ecosystems, healthy peatlands and blue carbon. The ongoing loss of wildlife and its habitats is leaving Wales ill-equipped to capture carbon, reduce our emissions and adapt to change. Action on climate must be matched with determined efforts to fix our broken ecosystems.

The UK's peatlands, which store over three billion tonnes of carbon, are heavily degraded and are releasing rather than capturing carbon. Continuing with restoration efforts would stop this loss and boost populations of rare wildlife. Creating permanent woodland will also lock up carbon but must be carefully planned to maximise benefits and avoid harming other habitats. Soil organic matter stores more carbon than any other land system but is threatened by intensive farming. Crop rotation, cover crops and ploughing less can help to restore this fundamental asset.

Blue carbon is the term given to carbon stored in marine and coastal habitats – in Wales these include seagrass beds, saltmarsh and ocean sediments. Huge amounts of carbon are sequestered in the substrate and plants in these habitats. This should be locked up for centuries, but we are losing large areas every year. Protecting and restoring such habitats has social and economic benefits beyond carbon capture, for example providing nursery habitat for commercially important fish and helping to alleviate coastal flooding and erosion.

Actions

- Protect and restore peatlands seek a ban on the sale of peat with the UK Government. Restore all 90,000 ha of peatland in Wales through both SFS and green financing.
- Review and enhance the contribution of nature in achieving net zero: extend support for achieving woodland and peatland restoration targets, identify, monitor and protect blue carbon stores and widen scope to consider the role of broader carbon-rich habitats.
- Monitor and report on public and private sector investment in adaptation actions to protect nature and nature-based solutions and close the adaptation gap for nature. Embed climate adaptation and mitigation in the Sustainable Farming Scheme to support farmers to adapt to climate change, reduce emissions and protect soils.



Meeting people's needs through sustainable use and benefit-sharing

Targets

- Manage wild species sustainably to benefit people
- Enhance biodiversity and sustainability in 10 agriculture, aquaculture, fisheries and forestry
- Restore, maintain and enhance nature's 11 contributions to people
- Enhance green spaces and urban planning for human well-being and biodiversity

Increase the sharing of benefits from genetic **13** resources, digital sequence information and traditional knowledge

Supporting nature-friendly farming

Targets 9 10 18

Our current global food production system is devastating our planet's natural systems, both on land and at sea. It is well documented that intensive agriculture in Wales is a major cause of nature loss and river pollution, but it is also failing our farmers who are being buffeted by the increasingly tangible impacts of a changing climate, exposure to volatile supply chains and inflationary pressures on agricultural inputs.

The destruction of nature and the impacts of climate change are also the biggest threats to food production in Wales. Food production relies on healthy soils, clean water, and resilience to climate change. Restoring nature on farms will bring many benefits, not just for wildlife but also for farmers. Working with nature can increase farm profits and resilience, reduce costs and maintain or even improve yields.

Many farmers and land managers have gone to great lengths to support wildlife without being adequately rewarded. The real terms value of the budget for environmental farming has already fallen with reduced payments in the Habitat Wales Scheme. Not investing properly means everyone loses.

Actions

- To reverse the decline of nature by 2030 and secure Wales's long term food security, the budget to support naturefriendly farming should be increased to at least £600 million a year. Greater environmental ambition can also be achieved by prioritising the Options and Collaborative tiers in the SFS and ringfencing 50-60% of the budget to fund them.
- To reduce pollution and boost biodiversity, good practice must improve across the board. Instead of relying on voluntary measures, the Welsh Government should transition baseline practices, such as minimum water buffers and soil management, into regulation. This would ensure all farms contribute to baseline environmental protection.
- Investment in sustainable agriculture must also be guided by high-quality independent advice and facilitation. This can help farmers to properly implement practices to meet nature and climate targets and ensure public funds are being used efficiently.

Enabling healthy communities

Targets 11 12

To value and protect nature, people first need to care about it, and to care about it they must experience it. To be truly transformational, this must be embedded in people's everyday experiences, not just on special outings. Nature helps people live healthier lives, but in Wales, access to these benefits is not equitable.

Evidence shows that access to nature is linked to big improvements in both physical and mental health and reduces health inequality⁷. It is vital that everyone is able to take advantage of these benefits, but more than one third of the population are unable to access green places near their home⁸. Children who live in deprived areas are currently nine times less likely to have access to green spaces than those in the least deprived areas⁹.

Contact with nature is beginning to be prescribed as part of the solution to health problems, through 'social prescribing'10. It is essential that there is sufficient natural green space within 15 minutes' walk to provide people with this opportunity. The resulting health benefits would mean significant savings for the NHS. In 2009 Natural England estimated that if everyone in England had access to green space, the resulting health benefits would mean that the NHS could save £2.1 billion¹¹ per year. Updated for inflation that figure would now be £3 billion, we need to replicate this in Wales.

Actions

- Make green infrastructure standards mandatory. All new development should deliver one-third biodiverse cover and ensure everyone is a 15-minute walk or wheel from a nature space. Local Authorities should plan how to retrofit sufficient green space for existing communities using Local Nature Recovery Strategies.
- Legislate for a right for people to have access to a healthy, natural environment.
- Enable all communities to access the health and well-being benefits of nature by committing to a cross-government fund to integrate social prescribing into health and social care and grow community-based health services and well-being programmes.
- Every child must have the right to learn in and about nature. Taking learning outdoors benefits children's mental health and develops a deeper appreciation for the environment and their role in protecting it. Building a lasting connection with nature in childhood shapes our adult lives and attitudes towards wildlife, climate change and how we choose to live. New statutory guidance to deliver learning outdoors for all can ensure our schools support happier, more confident children who understand their impact on our natural world.

Tools and solutions for implementation and mainstreaming

Targets

14 Integrate biodiversity in decision-making at every level **15** Businesses assess, disclose and reduce biodiversityrelated risks and negative impacts Enable sustainable consumption choices to reduce 16 waste and overconsumption Strengthen biosafety and distribute the benefits of biotechnology Reduce harmful incentives by at least \$500 billion per year and scale up positive incentives for biodiversity Mobilise \$200 billion per year for biodiversity **19** from all sources, including \$30 billion through international finance Strengthen capacity-building, technology **20** transfer, and scientific and technical cooperation for biodiversity **21** Ensure that knowledge is available and accessible to guide biodiversity action **22** Ensure participation in decision-making and access to justice and information related to biodiversity for all

Ensure gender equality and a gender-responsive 23 approach for biodiversity action

Integrating nature into decision making

Target 14

Wales has world-leading sustainability legislation in the form of the Well-being for Future Generations (Wales) Act 2015. This requires Wales to maintain and enhance a biodiverse natural environment with healthy functioning ecosystems. The Welsh Government's long-term approach to protecting and enhancing the environment is set out in the Environment (Wales) Act 2016. This sets a framework for the sustainable management of natural resources as a core principle in decision-making. The same Act requires the production of The State of Natural Resources Report, which found that the overall trend for biodiversity in Wales is one of serious decline, in line with global trends. At sea, Wales has failed to achieve Good Environmental Status¹² for seas by 31 December 2020, as required under the Marine Strategy Regulations (2010).

While global targets have been set before to stop and reverse the decline of nature, the 5th Global Biodiversity Outlook published in 2021 concluded that the UK - and the rest of the world - has failed to deliver on these targets. Even Wales's most protected sites SSSI are not being effectively managed with 80% not achieving favorable conservation status.

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Wales has more sea than land, and despite a substantial area of Welsh seas being designated as Marine Protected Areas (MPAs), most of these remain in unfavourable or unknown condition. The whole of an MPA is not protected but rather features within the area. Presently we do not know the extent or condition of these features however NRW are now investing in this and should give a fuller picture in 2025. Wales is also required under the Marine Strategy Regulations (2010) to achieve Good Environmental Status for seas by 31 December 2020, which it failed to deliver.

To achieve the 30 by 30 commitments on land all SSSI need to be effectively managed and a further 3 to 4% designated. This will bring Wales halfway. To achieve a further 15% other areas such as eNGO land, public estate and potential sympathetic ownership such as MoD land need to be manged for nature. Designated landscapes (National Parks and Landscapes) are problematic as the land is privately owned.

At sea, protected sites across 10% of Welsh seas should be designated 'fully' (no extractive or destructive activities) and a further 20% designated as 'highly' (only light extractive activities are allowed), within the context of wider ecologically coherent networks.

Actions

- Commission an independent investigation into 2030 Nature pathways. Start to align cross-department budgets to deliver findings.
- The Welsh Government should also look to take forward the recommendations in the Dasgupta Review to integrate biodiversity into economic and financial policy and decisionmaking, including national accounting.



Business and finance

Targets 15 19

With a clear action plan for implementing the Global Biodiversity Framework though the NBSAP, the UK will be well-placed to demonstrate ambitious leadership at the COP16 negotiations and ensure businesses can take positive steps to incorporate the environment into their decision making.

The economy is a wholly owned subsidiary of nature. Analysis from the World Economic Forum estimates that half of all economic activity is moderately or highly dependent on nature¹³, with biodiversity loss one of the top four risks to the global economy over the next 10 years. However, the amount spent on activities that damage nature still far outstrips our spending to restore it.

There is a growing recognition of the importance of investing in our natural assets and the opportunities presented by a naturebased economy. Globally, the Task Force on Nature-related Financial Disclosures will be a key driver for nature-positive innovation in finance. However, the Welsh Government must also set out how it will address the nature finance gap and scale up private and public funding through a new Green Finance Strategy.

Actions

- Following the success of the Taskforce on Climate-related Financial Disclosure, reporting to the Taskforce on Naturerelated Financial Disclosure should be made mandatory for large companies and financial institutions to drive change and become the framework by which businesses report on their dependencies, impacts, risks and opportunities.
- The Welsh Government must set robust standards with strong governance to drive the opportunities and confidence in high integrity ecosystem markets. Wales should support UK Government to put forward a clear plan to deliver its fair share of the Global Biodiversity Framework commitment to mobilise 20 billion USD per year by 2025 in international biodiversity finance for developing countries.



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The Wildlife Trusts are a federation of 47 charities, 46 individual Wildlife Trusts and a central charity, the Royal Society of Wildlife Trusts. Together we have more than 900,000 members, 39,000 volunteers and 3,600 staff across the UK. We share a vision of nature in recovery, with abundant, diverse wildlife and natural processes creating wilder landscapes where people and nature thrive.

Wildlife Trusts care for – and have restored – some of the most special places for wildlife in the UK. Collectively we manage more than 2,400 nature reserves, operate 123 visitor and education centres and own 29 working farms. We undertake research, we stand up for wildlife and wild places under threat, and we help people access nature.

We work with businesses who are committed to being nature positive and take action to help restore 30% of land and seas for nature by 2030.



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