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GLASGOW

## La neutralità climatica delle Green City

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**Glasgow**  
is literally the  
**'Dear Green Place'**  
the literal translation  
of its name from the **Gaelic**



“ Birthplace  
of industrial revolution,  
the small port city  
transformed into a  
titan of the  
19th and 20th century ”



Has re-emerged and today is a **Resilient City** with an international reputation for culture, innovation, sport and hospitality

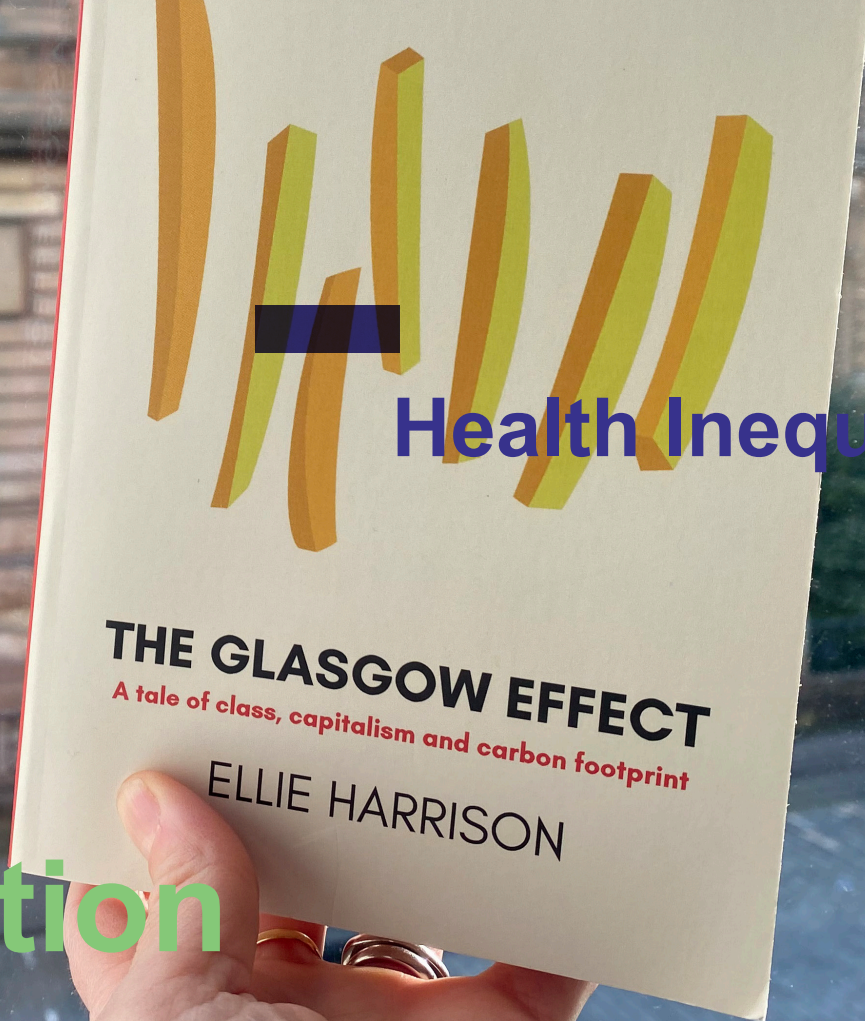




Economy



Health Inequalities

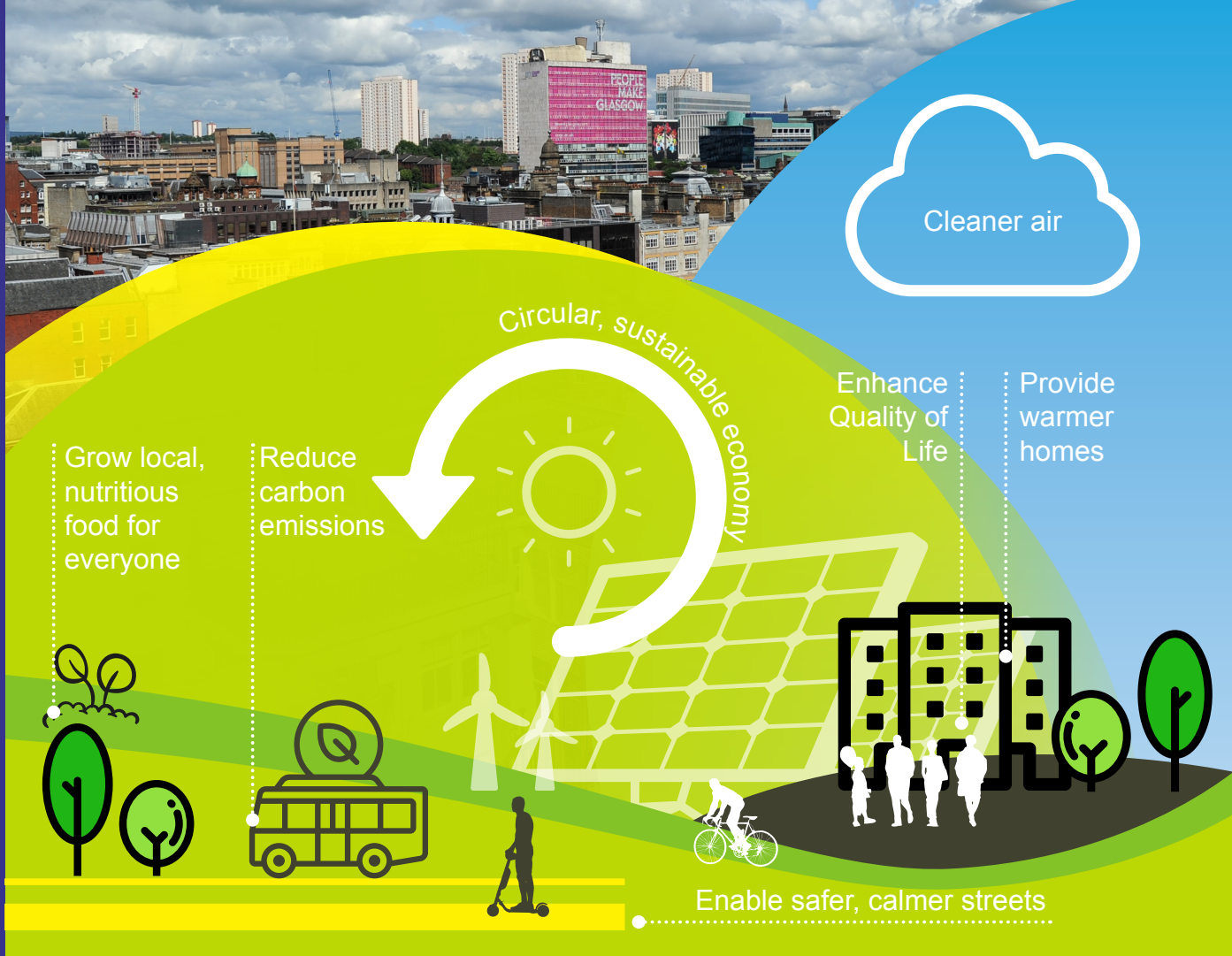


Just transition



LOW CARBON CITY

# Glasgow has pledged to achieve Carbon Neutrality by 2030



Circular, sustainable economy

Grow local, nutritious food for everyone

Reduce carbon emissions

Enhance Quality of Life

Provide warmer homes

Cleaner air

Enable safer, calmer streets

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- Actions to address the climate crisis must not further disadvantage people and communities who already experience significant inequalities.
- Actions to create a safer and more sustainable city should also be aimed at building a just and more equal city.



Transport Sector



Domestic Sector



Industry and Commercial Sector



M8 - scar in the city centre



70,000 pre-1919 tenements



Sighthill - 1000 new homes



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# People Place Design







# UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY

# PRESIDENCY PROGRAMME COP26

## THEMES

- ADAPTATION, LOSS AND DAMAGE
- CITIES, REGIONS & BUILT ENVIRONMENT
- ENERGY
- FINANCE
- GENDER
- NATURE
- NATURE
- TRANSPORT
- YOUTH AND PUBLIC EMPOWERMENT





# • FINANCE

- Appointment a **Green Economy Manager** and development of a green investment prospectus
- The **Climate Emergency Skills Action Plan** aims to ensure Scotland's workforce has the skills needed for the transition to a net-zero economy.
- **SP Energy Networks' £20 million Green Economy Fund (GEF)** was established to kick start the ways both transport and heating are powered in Scotland.
- The Sustainable **Glasgow Green Economy Hub Charter** is a commitment by leading businesses and employers to take action within their own organisations
- **Circular Economy Route Map** presents a vision for a circular city and provides the context in which our local economy is seen as an engine for environmental and social regeneration.

# • ENERGY

- Glasgow's **community-owned** renewable energy co-operative
- Solar panels have been installed on the roofs of two schools in Glasgow
- The **Community Share Offer** offers local people and community organisations the opportunity to invest in the project and join our co-operative.
- These two installations alone will save nearly **50 tonnes of carbon dioxide per year** – helping Glasgow towards its target to be carbon neutral by 2030.



## • Youth and public empowerment

- **Glasgow City Food Plan** transform Glasgow into a city where tasty, healthy, affordable food is accessible to everyone;
- The **Climate Plan** describes the means by which Glasgow and its people will face the extraordinary challenges of the global climate and ecological emergency.
- **Glasgow Eco-Trust & Stop Climate Chaos Open Source Map** a one stop-shop for everything green and local in Glasgow.
- **TakeltBack**
- Keep Scotland Beautiful have set up over 40 **Community Clean Up Hubs** across the country.
- Zero Waste Scotland (ZWS) '**Revolve Stores**'
- **Refill Initiative**
- **Cop runs**



# • NATURE

- A **Wee Forest** is a small, tennis court-sized, densely planted, native species rich, fast growing, urban woodland in Scotland.
- The **Claypits Local Nature Reserve**
- **Streets for All** is a project for Garnethill and Charing Cross that will support new public spaces for play, for biodiversity and make connections across the motorway to Woodlands and Woodside.
- Glasgow City Region Avenues programme: **Raingardens**



## • ADAPTATION, LOSS AND DAMAGE

- **Glasgow Smart Canal** The £17million project, being delivered via a partnership of Glasgow City Council, Scottish Canals and Scottish Water under the umbrella of the **Metropolitan Glasgow Strategic Drainage Partnership** (a Glasgow City Region City Deal project - more detail at <http://www.mgsdp.org>), will use sensor and predictive weather technology to provide early warning of wet weather before moving excess rainfall from residential and business areas into stretches of the canal where water levels have been lowered by as much as 10cm. This will create 55,000 cubic metres of extra capacity for floodwater - equivalent to 22 Olympic swimming pools.



# ● GENDER

- Equality Impact Assessment
- Feminist Exchanges for Climate Justice
- Glasgow Women's Library is the only Accredited Museum in the UK dedicated to women's lives, histories and achievements, with a lending library, archive collections and innovative programmes of public events & learning opportunities.





# • SCIENCE AND INNOVATION

- **Glasgow City Innovation District**; University of Strathclyde's Technology and Innovation Centre, inovo, and Tontine. Together these house 18 major research centres and innovation organisations and over 30 innovation companies and SMEs.
- **Glasgow Riverside Innovation District** located in Glasgow's West End, is an internationally significant location for clinical and research infrastructure.
- **The Advanced Manufacturing Institute Scotland (AMIDS)**, is home to the £65 million National Manufacturing Institute of Scotland and the £56 million Medicines Manufacturing Innovation Centre.



# • TRANSPORT

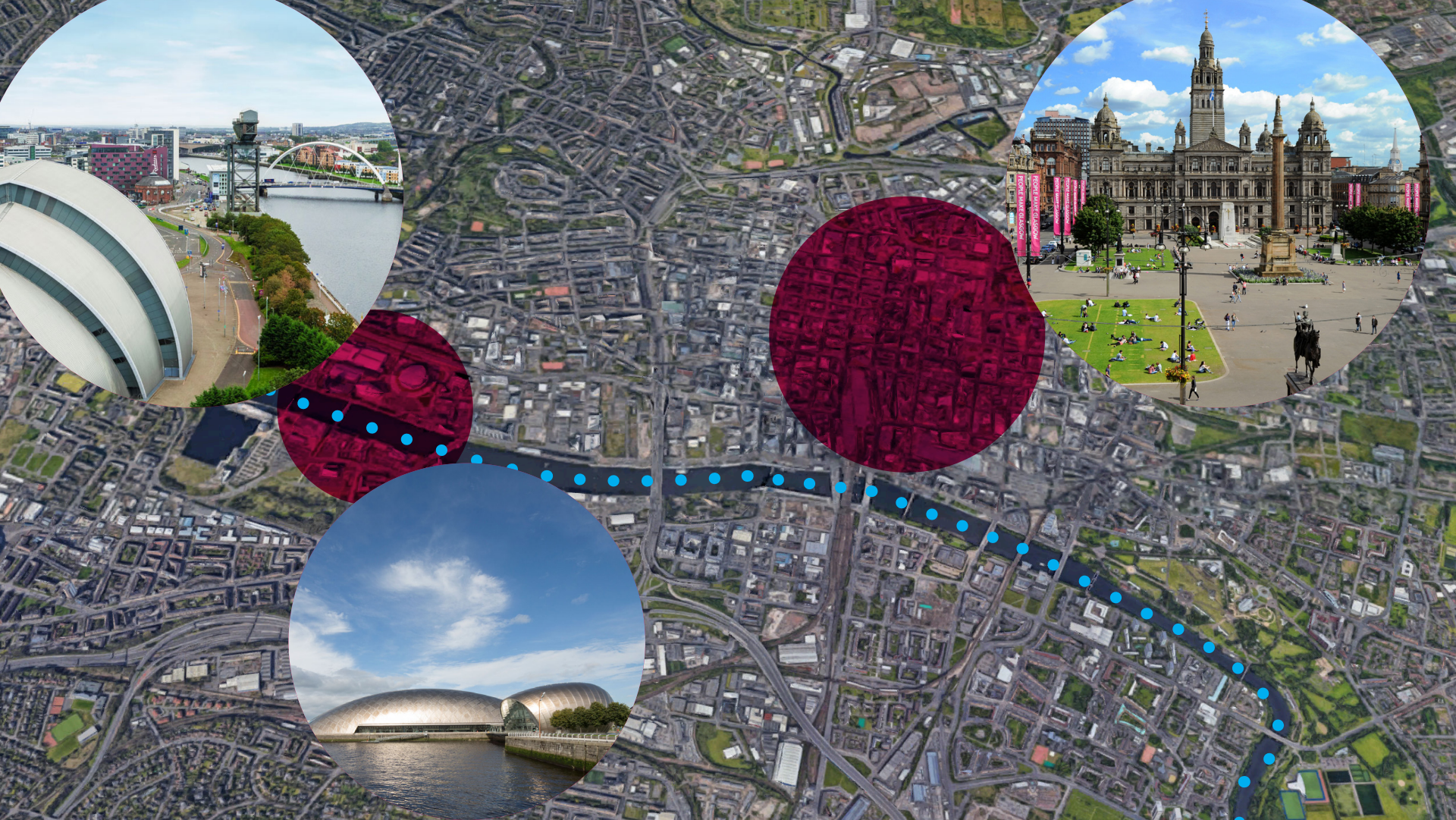
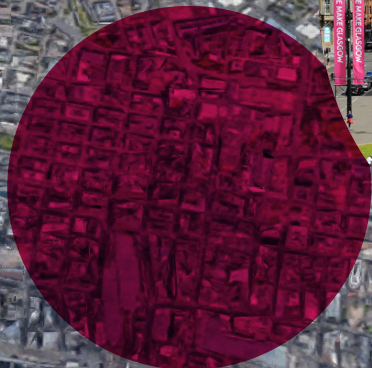
- Glasgow City Council is investing £115m to deliver the **Avenues Programme**
- Reduction in vehicular traffic of **30%** in the city centre
- Forthcoming **Transport Strategy, City Centre Transformation Plan, Active Travel Strategy**
- **Connectivity Commission, Glasgow Metro**
- **LEZ** - Low Emission Zone
- We have been awarded a Transport Scotland fund of 2.2 million pounds to improve infrastructure for **electric vehicle charge points** and increase the number of freely available points in the city for public and commercial use, as well as further decarbonising their fleet.
- **Last mile deliveries**



# • CITIES, REGIONS & BUILT ENVIRONMENT

- **Custom House Quay and Carlton Place**: construction of a re-aligned quay wall and provision of development platforms within a high quality public realm setting.
- **Charing X**: create a new place which would enhance placemaking, support the sustainable development goals, re-prioritise streets for people in line with national policy, and support a 40% reduction in city centre traffic.





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THE SUSTAINABLE  
GLASGOW LANDING



## After The Pandemic @ COP26

Glasgow's creative and cultural fringe.

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**Bloomberg**

<http://www.glasgowwaterworks.com/>



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BEES STOPS







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QUIET URBAN SPACES



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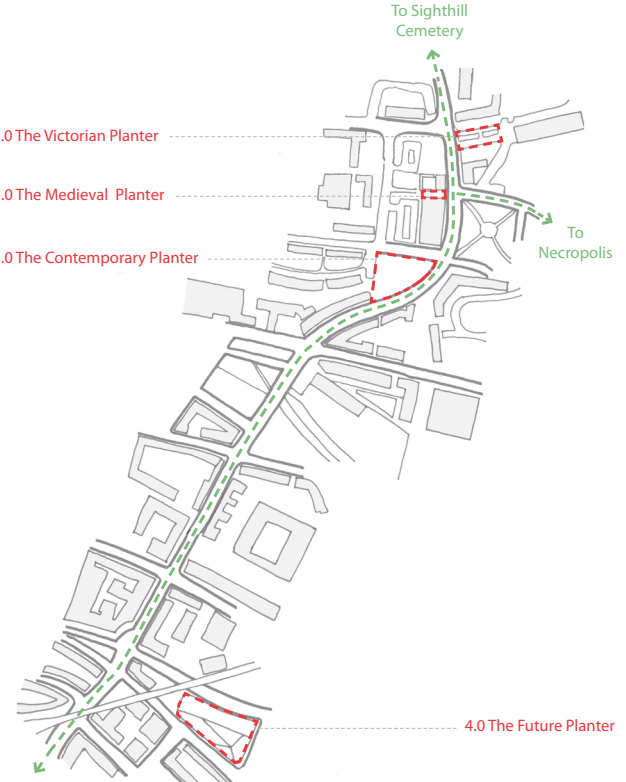


## The Biophilic Way

1.0 The Victorian Planter

2.0 The Medieval Planter

3.0 The Contemporary Planter



4.0 The Future Planter

# COME ON THE COP

Proposed Locations

# CLIMATE WALK

## SCELG

### The Strathclyde Centre for Environmental Law & Governance

From 31 October to 12 November 2021 Glasgow will host COP26.

So, what is COP26? Who is coming to Glasgow for it? What will they be here for? For answers to these and other questions, continue walking!

#### WHAT IS COP?

COP stands for Conference of the Parties. Who are these "Parties"? What are they a party to?

The parties are countries that are part of the "United Nations Framework Convention on Climate Change", a legal agreement formed in 1992. It is often referred to as the UNFCCC, or the Convention.

These global conferences have been occurring for more than three decades, bringing together almost every country in the world. This year marks the 28th meeting, hence why it is called COP26.

Before explaining what COP26 is all about, let's start by understanding what climate change is.

With thanks to:



UNIVERSITY of STRATHCLYDE  
CENTRE FOR  
ENVIRONMENTAL LAW  
AND GOVERNANCE

# UN CLIMATE CHANGE CONFERENCE UK 2021

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## CLIMATE CHANGE AND CITIES

Cities are densely populated with a lot of people who all rely on transport, energy, and the like. Cities consume approximately 78% of the world's energy and produce 60% of the world's greenhouse gas emissions, but they only cover about 2% of the Earth's surface!

The population density in cities, with lots of people using a lot of things that emit greenhouse gases, along with fewer green spaces, means that. Air pollution is also higher in cities, and adding to the worst of the consequences of climate change.

### Meet Sonya

Sonya is the mayor of a large city that is struggling with higher temperatures and increased severe weather.

She has been working with the communities in her city to: reduce pollution (that mostly comes from burning lots of fossil fuels in urban areas), make sustainable transport more available and accessible to everybody, and start to use more sustainable energy sources to help power homes and businesses in the city.

She has to consider a lot of things: How are buildings built, what kind of construction material is used? Is it sustainable? What kind of heating and cooling systems can people use to help reduce their reliance on fossil fuels? Are there affordable and convenient sustainable transport options for local people? Can the city create more green spaces to both reduce CO2 in the atmosphere, reduce air pollution, while also developing wildlife in the area?

Some initiatives Mayor Sonya has already put in place are bike sharing to encourage people to rely less on their cars to get around the city, and tax rebates for home owners who switch to energy efficient heating and cooling systems.

There is a lot of work to do and a long way to go, but Mayor Sonya and her city are on the right track to making the city healthier for both the people who live there and for the climate.



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