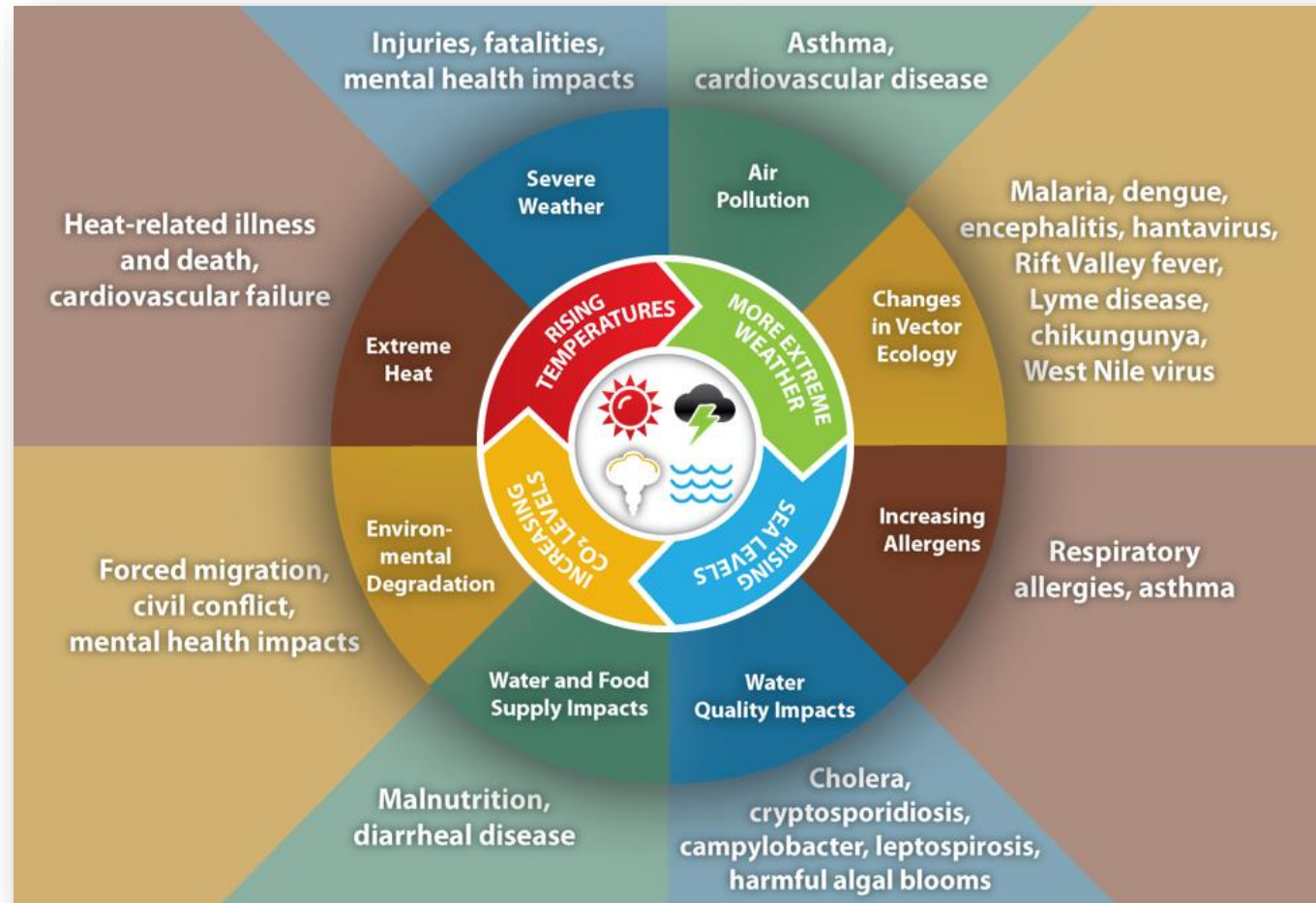


# Décarbonisation d'un système de santé: l'exemple du National Health Service (NHS) en Angleterre

Dr Emma Pascale BLAKEY, PhD RN  
Clinical lead sustainability, Nursing directorate, NHS England

# Pourquoi un système de santé zéro carbone?



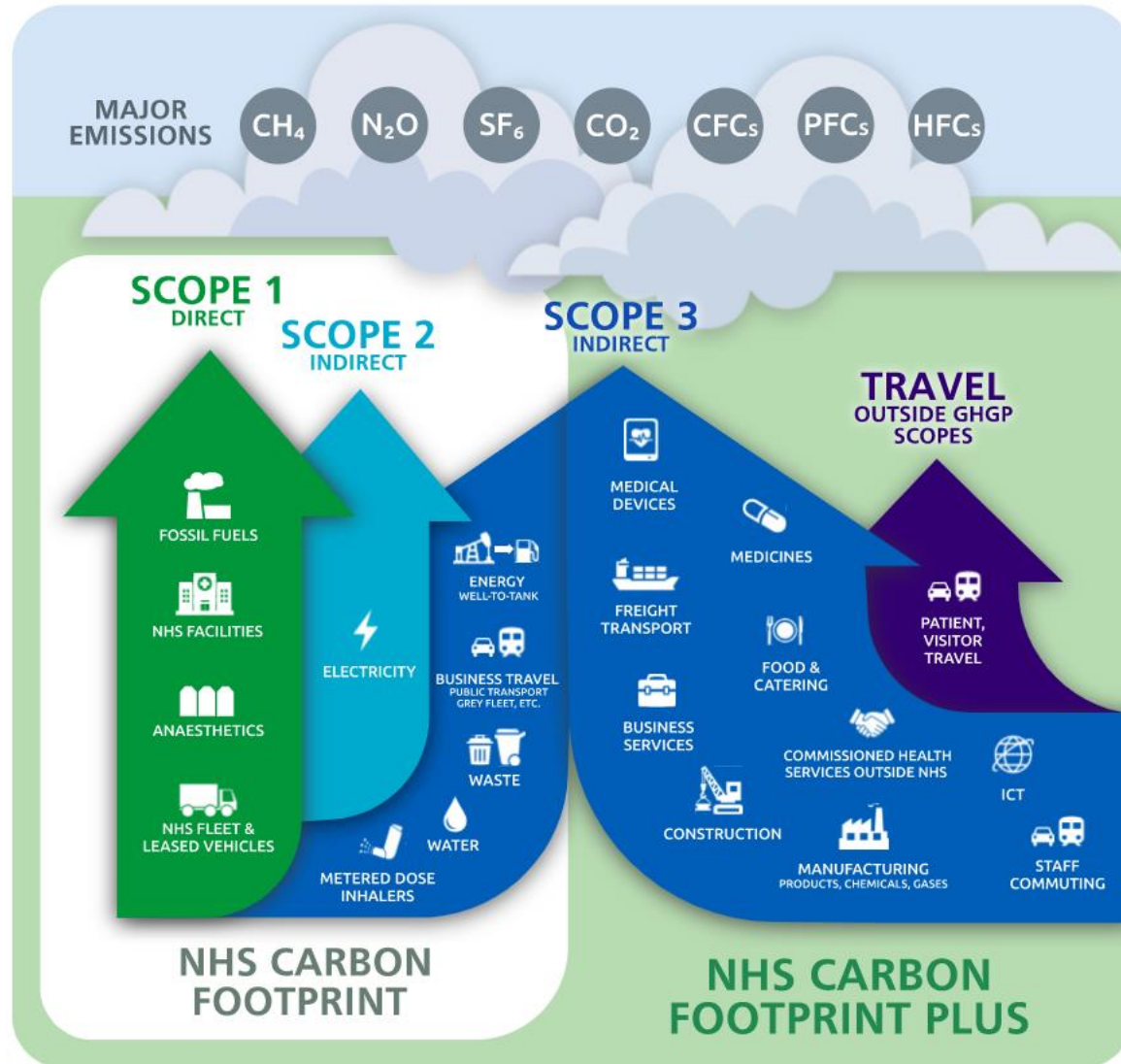
Source: Center for Disease Control and Prevention. [Climate effects on health](#). 2017

# Pourquoi un système de santé zéro carbone?

- Si le Royaume-Uni atteint ses engagements des accords de Paris, on pourra voir, chaque année :
  - plus de **5.700 vies sauvées** grâce à une **meilleure qualité de l'air**,
  - plus de **38.000 vies sauvées** grâce à une **population plus active**,
  - plus de **100.000 vies sauvées** grâce à une **alimentation plus saine**.



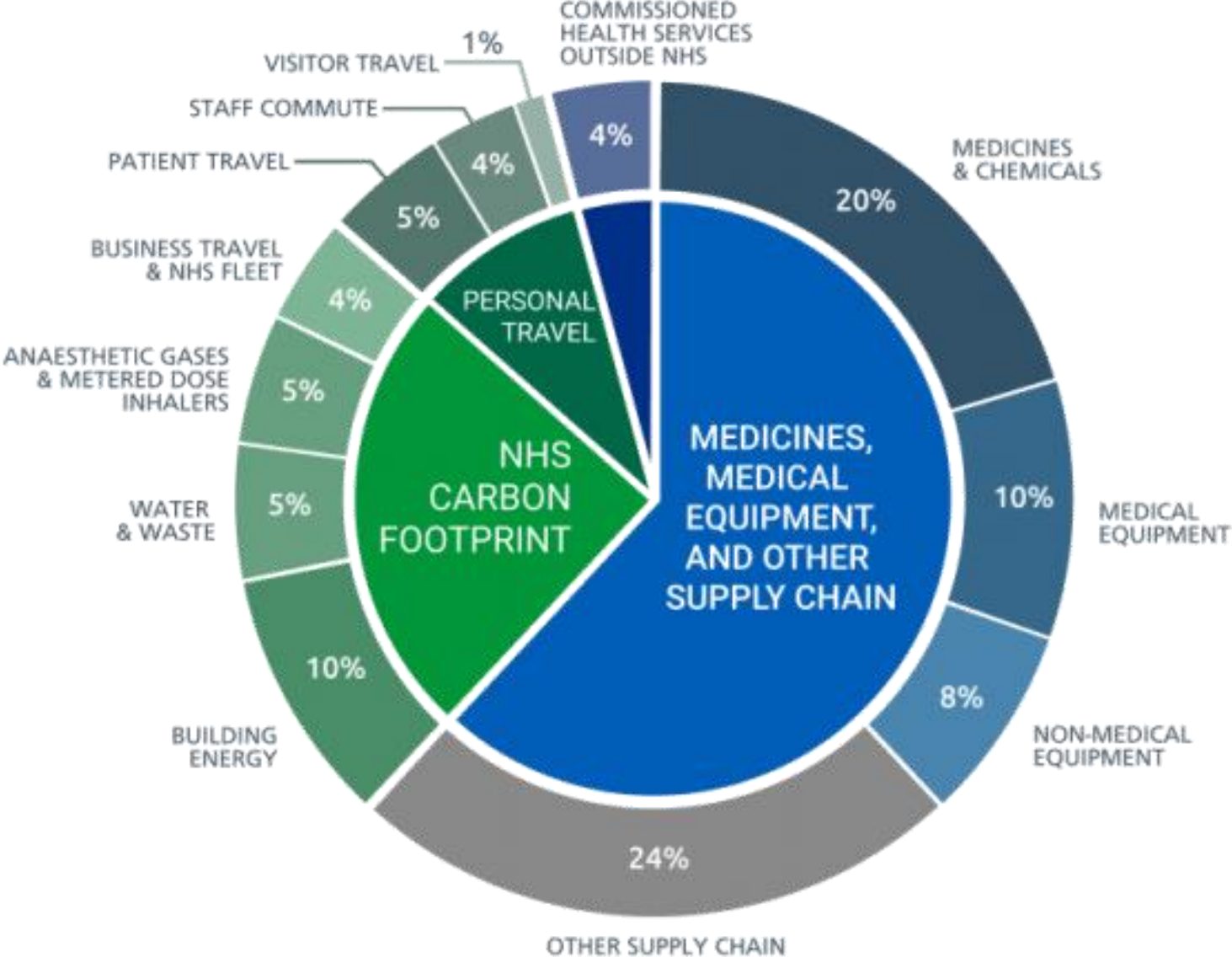
# Les objectifs Net Zéro du NHS



## Atteindre net zéro carbone

- en 2040 pour les émissions que nous contrôlons directement (the NHS Carbon Footprint)
  - Avec une réduction de **80%** (sur une baseline de 1990) **d'ici 2028 à 2032.**
- En 2045 pour l'ensemble de nos émissions, y compris celles de notre chaîne d'approvisionnement (the NHS Carbon Footprint Plus)
  - Avec une réduction de **80%** (sur une baseline de 1990) **d'ici 2036 à 2039.**

# L'empreinte carbone du NHS





# Des plans net zéro pour chaque hôpital et système local



**NHS**


**Every NHS Trust has a green plan**

Together, these plans will reduce carbon emissions equivalent to taking half a million cars off the road.

**#GreenerNHS**

**HEALTHIER PLANET  
HEALTHIER PEOPLE**

Pour suivre l'implémentation de ces plans de réduction carbone, chaque groupe hospitalier et chaque *Integrated Care Board* doit nommer un responsable Net Zero au conseil d'administration.



**Health and Care Act 2022**

**2022 CHAPTER 31**

**PART I**

HEALTH SERVICE IN ENGLAND: INTEGRATION, COLLABORATION AND OTHER CHANGES

*NHS England*

**NHS England: duties in relation to climate change etc**

After section 13NB of the National Health Service Act 2006 (inserted by section 8 of this Act) insert—

**“13NC Duties as to climate change etc**

(1) NHS England must, in the exercise of its functions, have regard to the need to—

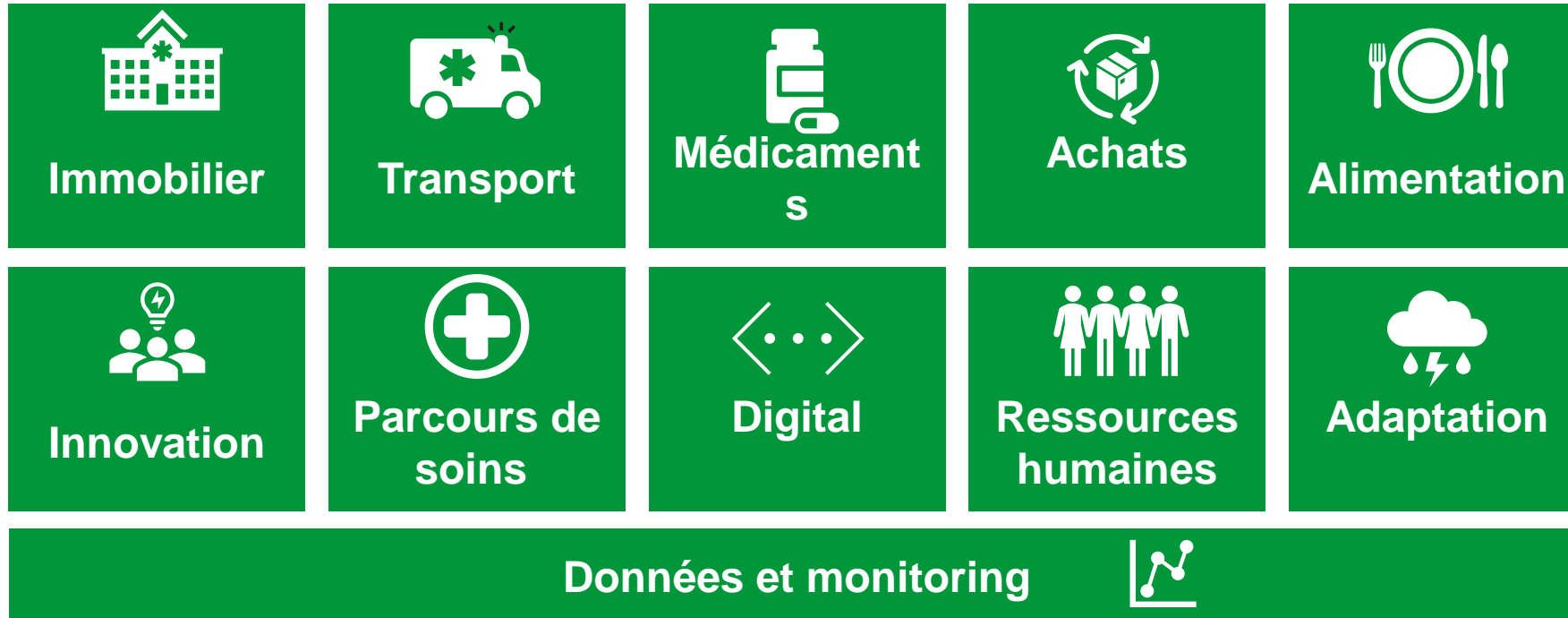
(a) contribute towards compliance with—

(i) section 1 of the Climate Change Act 2008 (UK net zero emissions target), and

(ii) section 5 of the Environment Act 2021 (environmental targets); and

**First health system to embed  
Net Zero into legislation**

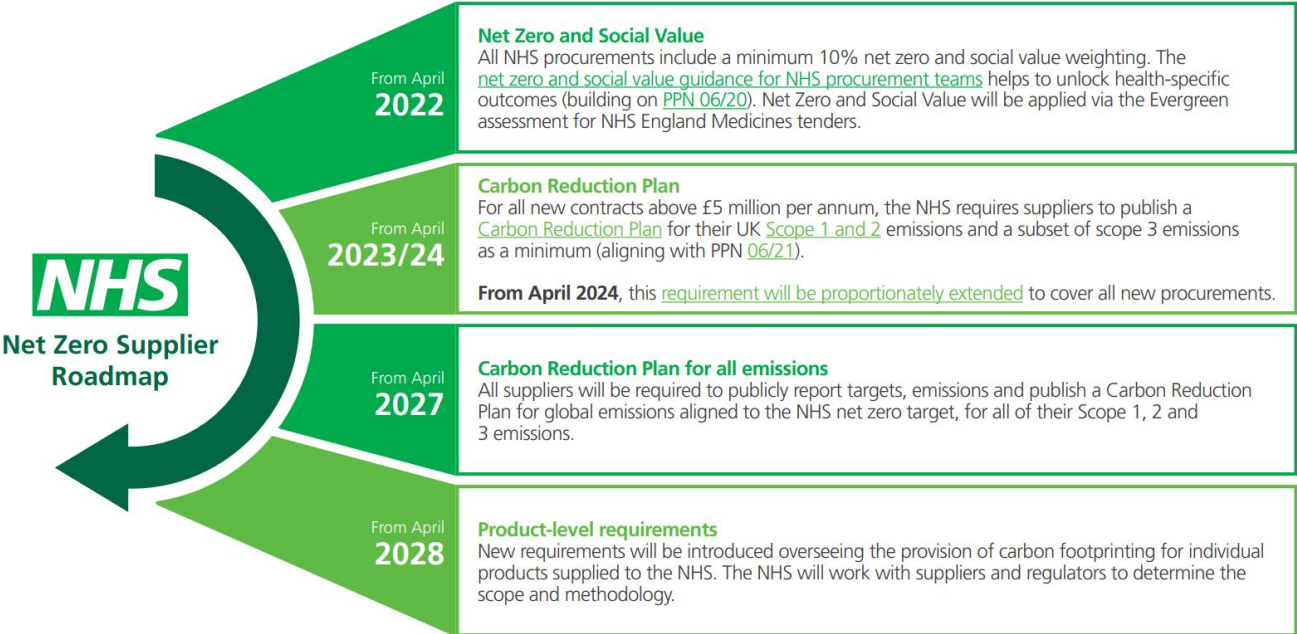
# Axes du programme Greener NHS



# Les achats: Inciter nos fournisseurs à s'aligner à notre engagement net zéro



## NHS Net Zero Supplier Roadmap





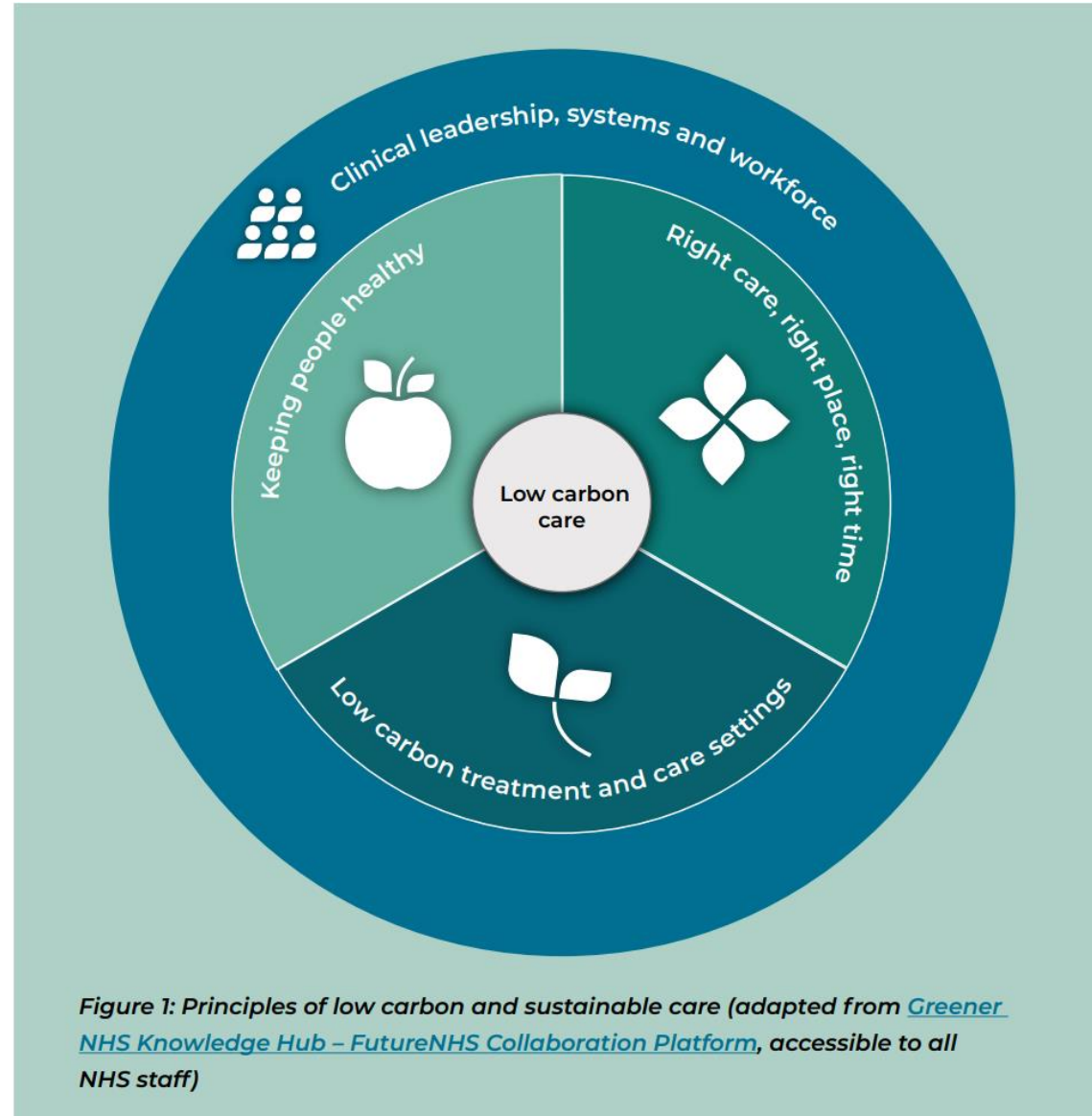
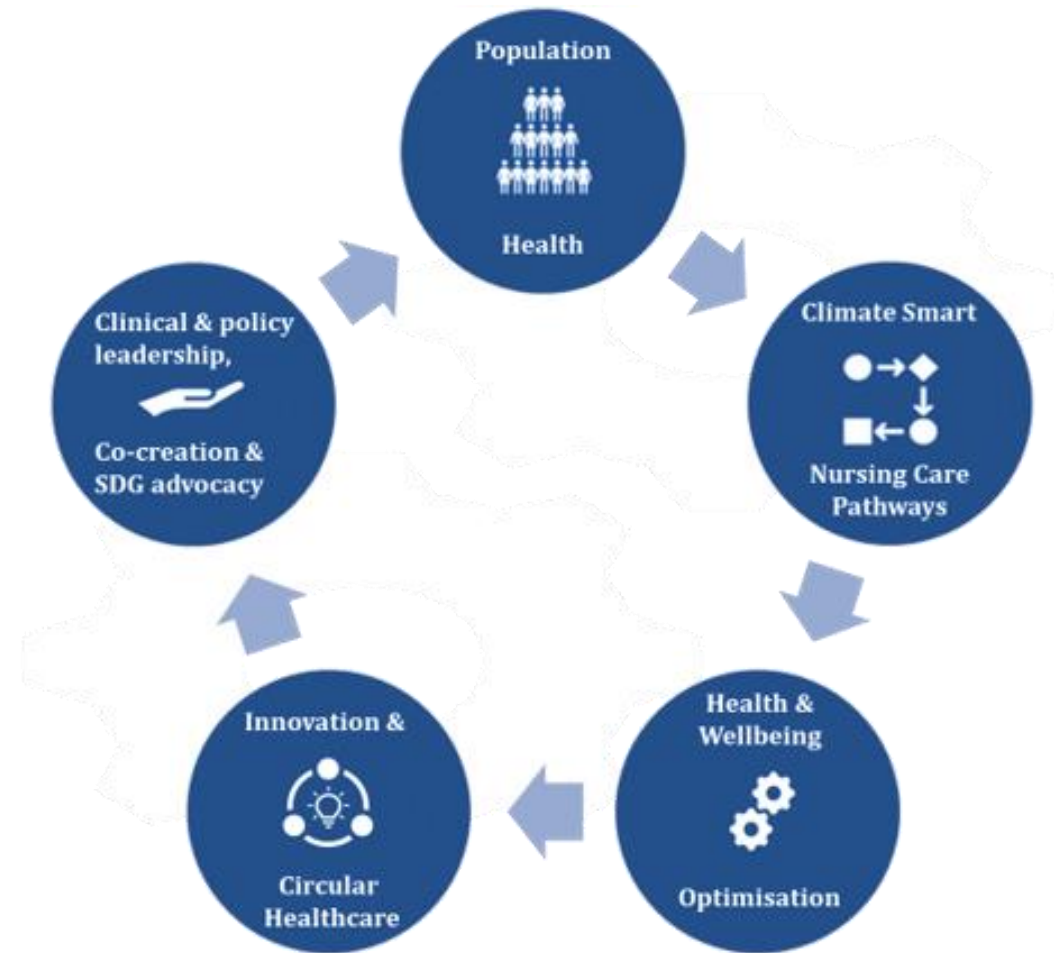


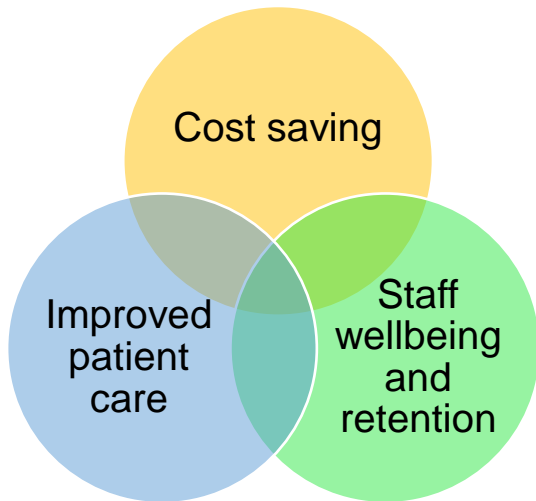
Figure 1: Principles of low carbon and sustainable care (adapted from [Greener NHS Knowledge Hub – FutureNHS Collaboration Platform](#), accessible to all NHS staff)





# Clinical and Policy Leadership

## Nursing and Midwifery Sustainability Hybrid Roles



## FNF Green Healthcare Leadership Programme



## NHSE Nursing and Midwifery Sustainability Network



# Case study- Hybrid role in Sandwell and West Birmingham NHS Trust

Project	Social	Financial	Environmental
Implementing a new circular shower gel	Aromatherapy properties, supporting small, women owned business, positive feedback from staff and patients	Half price compared to same volume of use of shower gel and shampoo sachets	Circular product, made in UK, no chemicals into water supply
Glove and apron reduction	Better compliance with hand hygiene, less contact dermatitis risk for staff	Glove use reduced by 30%, apron use also reduced – unable to calculate cost savings as PPE free at time of audit	One glove = 26g CO2e One apron = 65g CO2e 25,000 gloves less per month equivalent to 3 return flights from London to China per year
Washable theatre hats	Supports <a href="#">theatre cap challenge</a> which highlights multiple benefits	Trust is currently spending £10,000 per year on hats. Initial outlay for hats will be £9000 so long term savings	Waste reduction, less travel as shipped from China, paper hats made with harmful chemicals
Reduction in use of couch roll	IPC confirmed no benefit to using couch roll for clothed patients	Very high cost product – trust spending over £20,000 per year,	Large volume of packaging, heavy to ship, paper waste, estimated 1kgCO2e per roll

## Leadership and Advocacy

- Supported cardiac catheter lab and endoscopy teams to start sustainability projects
- Teaching session for nurse associates, new starters to critical care
- Regular meetings with Trust sustainability lead

Reducing unnecessary cannulation in

ED

Imperial College Healthcare NHS Trust

- **25% decrease** in cannulation
- Saving **19,000kg CO2e**
- **£95,000** per year



Reduction of routine blood testing in an elderly care ward

South Warwickshire University NHS Foundation Trust

- Reduction in pain, reduction in delayed discharges, reduction in skin damage
- **937kgCO2e** saved
- **£18,444** per year

Reduction in continence products waste in neuro rehab

South Warwickshire University NHS Foundation Trust

- No negative impact on patients
- **588kgCO2e** saved
- **£2,222 saved** per year

Changing single use insulin pens to “smart pens”

South Warwickshire University NHS Foundation Trust

- Long term improved efficiency
- **£15,120 per patient** by eliminating need for daily district nurse visits
- **1863KgCO2e** per year saved



Merci!  
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## Thank You



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