Sonia Roschnik
Former Deputy Director, SDU
A carbon story
Sonia Roschnik. June 2017
Sustainable Development Goals

3. Good Health and Well-Being
ENVIRONMENTAL IMPACTS ON HEALTH

WHAT IS THE BIG PICTURE?

FACT:
23%
of all global deaths are linked to the environment.
That's roughly 12.6 million deaths a year.

WHERE IS IT HAPPENING?

World Health Organization

3.8 million
in South-East Asia Region

3.5 million
in Western Pacific Region

2.2 million
in Africa Region

1.4 million
in European Region

854,000
in Eastern Mediterranean Region

847,000
in the Region of the Americas

#EnvironmentalHealth
World Map of Carbon Emissions

Source: www.carbonmap.org
World Map of Climate Vulnerabilities

Source: www.carbonmap.org
The role of healthcare

Source: SDU
The role of healthcare

Source: SDU
Goods and Services carbon footprint – carbon hotspots

- Acute: building energy use (gas and electricity)
- Acute: medical instruments and equipment
- Primary care: pharmaceuticals including GP prescriptions

Primary care and acute – business services

Acute Specialist Mental Health SHA
Examples of good practice: guidance and substitution
Examples of good practice: anesthetic choices

- Anesthetist Doctor in England developed a calculator app to support more environmentally conscious choices

Source: Dr Tom Pierce
An example

- Well managed conditions such as diabetes or most chronic diseases:
- Improves individual health – living well
- Saves resources for all including carbon

Source: SHC
Examples of good practice: global procurement

• Moving US $5 billion in health procurement towards
• Low carbon
• Safer chemicals
• Sustainable Resource Use
To be the change we want to see, we can all start acting in our own sphere of influence

• As individuals in the choices we make
• As workers, caring about the products that are used
• As industrials, caring about our reach and net positive contribution
• As creators of health for remembering that wellbeing must be nurtured
• As clinicians, caring for the environment and our patients
Sustainable Health

Sustainable, Resilient, Healthy, Places and People

Reduce the negatives

Enable the positives

Source: Sustainable Development Unit (2014)
Sustainable models of care

Source: SDU
Well-being goals

- A globally responsible Wales
- A prosperous Wales
- A resilient Wales
- A healthier Wales
- A more equal Wales
- A Wales of vibrant culture and thriving Welsh Language
- A Wales of cohesive communities

Source: Welsh Government