MAKING THE INVESTMENT CASE FOR WALKING AND CYCLING

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- The importance of walking and cycling
- Making the investment case for more walking and cycling
- The benefits of using HEAT
- Process for conducting HEAT





The importance of walking and cycling

Global levels of physical inactivity

28%

of adults

do not meet recommended levels of physical activity



81%

of adolescents

do not meet recommended levels of physical activity









Levels of physical inactivity - South Africa

38%

of adults

do not meet recommended levels of physical activity



28% men

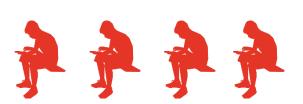
47% women



No data available for adolescents, but the average for the

region is 86%

do not meet recommended levels of physical activity







A GLOBAL ROAD MAP FOR ACTION



There are many ways to be active - walking, cycling, sport, active recreation, dance and play - and many policy opportunities to increase participation.

BY 2030 15%









A 'whole systems' approach to physical activity







Four action areas: 20 policy recommendations



4 6

Total

20

Policy Actions

5 5













5 POLICY RECOMMENDATIONS

STRATEGIC OBJECTIVE

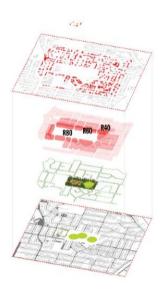
Create and maintain environments that promote and safeguard the rights of all people, of all ages, to have equitable access to safe places and spaces, in their cities and communities, in which to engage in regular physical activity, according to ability.

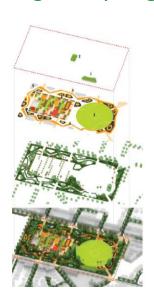




CREATING BETTER PLACES AND SPACES

Ensure urban planning, land use strategies and transport policies plan for, promote and enable more walking and cycling





Improve the environment for walking and cycling – through street designs providing safety, connections, convenience and comfort

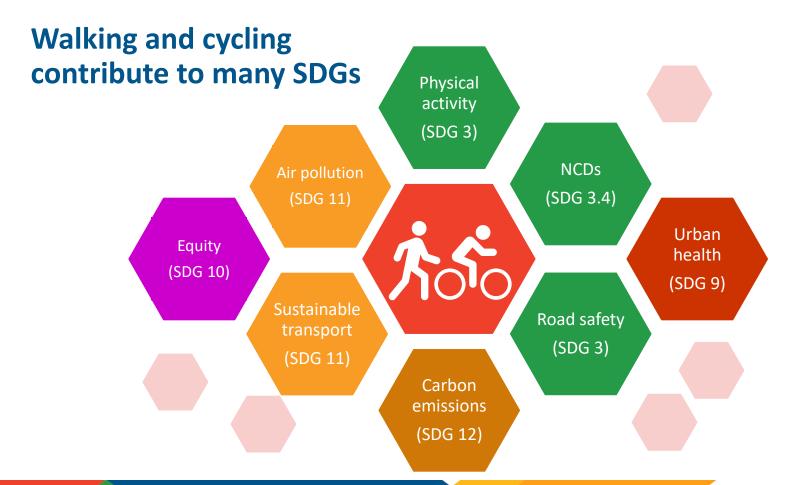








Making the investment case for walking and cycling







Making the investment case helps secure funding

FUNDING SOURCES

- public funds (e.g. Transport, Health, Environment, Sports, Cities, etc.)
- external donors
- development banks
- public and private partnerships





TOTAL \$ gained because of increased walking and/or cycling levels

AND/OR

Benefit-Cost Ratio (value for money)\$ gained per \$1 spent because of increased walking and/or cycling levels





What is HEAT?

- Health: estimate the health benefits of W&C (because of physical activity, road safety, air quality)
- Economic: calculate the economic value of W&C (health + carbon emission)
- Assessment: simple (economic value only) or net (benefit-cost ratio)
- **Tool**: to collate inputs, outputs and estimates

Makes the economic case for W&C





HEAT calculates the economic value of:

current levels of walking and cycling

increasing levels of walking and cycling

cost benefit of increasing levels of walking and cycling



The economic value (\$) of HEAT is presented as:

The <u>total</u> **health** impacts due to:

- deaths due to NCDs averted (due to increased PA)
- deaths due to air pollution averted (due to decreased motor traffic)
- deaths due to road crashes averted (due to decreased volume traffic)

AND the carbon emissions averted (due to decreased motor emissions)





What inputs are needed?

Economic value

- Population
- Volume of W&C
- Default data
 - adjust to country estimates

Cost-benefit ratio

Economic value

&

- Cost of intervention
 - Planning phase
 - Infrastructure
 - Promotion
 - Maintenance
 - Monitoring and evaluation

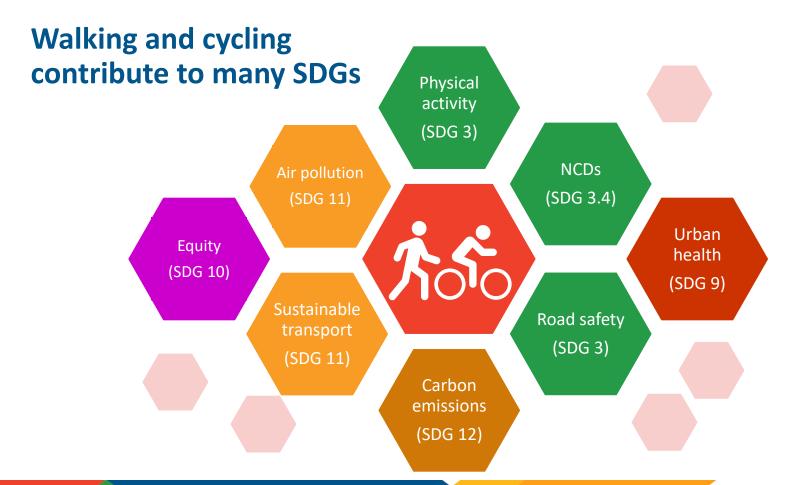




Supports advocacy











- Supports advocacy
- Makes an economic investment case and supports budget decisions



Making the investment case helps secure funding

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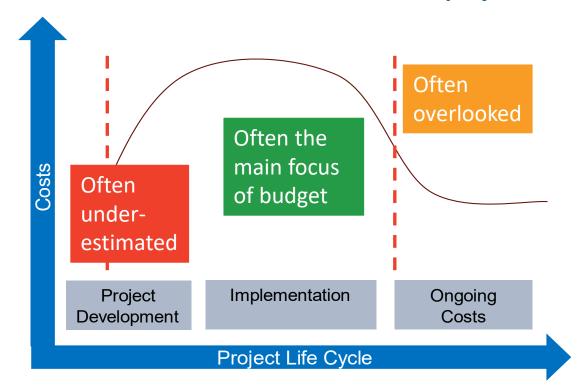




- Supports advocacy
- Makes an economic investment case and supports budget decisions
- Helps improve the **planning and costing** of *all* stages of a project



Resources planning should address all stages, even if not all the funding is available or secured at the start of the project



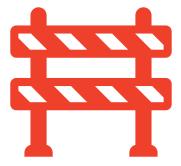


- Supports advocacy
- Makes an economic investment case and supports budget decisions
- Helps improve the planning and costing of all stages of a project
- Helps identify potential barriers to investment of implementation



Barriers identified can include:

- Absence of key national policies or legislation
 - (transport policy including W&C, non-motorised transport policies, physical activity targets, and policies, etc.)
- Inadequate clarity between jurisdictions and responsibilities
 (for road infrastructure building, maintenance, monitoring, etc)
- Absence or inadequate regulatory frameworks and standards (roads design, road safety requirements)
- Lack of clarity across borders for municipality infrastructure (and decision-making power of municipalities)
- And more....







Process for conducting HEAT

How to undertake HEAT analysis

- Bring together key stakeholders
 - ministries and other governmental agencies (transport, urban planning, finance, environment, development banks, etc.)
 - NGOs, international agencies, and civil society
- Convene planning and workgroup
 - set agenda, define intervention, timelines
- Collect and/or collate necessary data
- Data analysis and review
- Report and publish/disseminate

Overall timelines?

Vary depending on capacity, complexity and urgency





Data required

Economic value

- Population
- Volume of W&C
- Default data
 - adjust to country estimates

Cost-benefit ratio

Economic value

&

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HEAT: economic value of walking and cycling

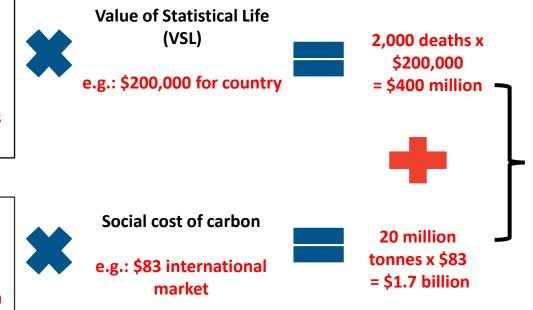
Number of deaths averted (in a period of time)due to :

- NCDs
- Air pollution
- Road crashes

e.g.: 2,000 TOTAL deaths averted in 10 years

Tonnes of carbon emissions averted (in a period of time)

e.g.: 20 million tonnes in 10 years



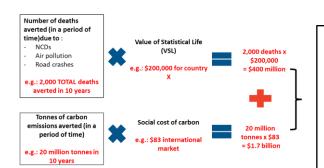
Total economic value of walking and/or cycling:

\$ 2.1 billion





HEAT: benefit-cost ratio of walking and cycling



Total economic value of walking and/or cycling:

\$ 2.1 billion

Total cost of the intervention

e.g. planning, infrastructure, promotion, maintenance, M&E:

\$200 million

BENEFIT- COST RATIO

10.5





FOR MORE INFORMATION

https://www.heatwalkingcycling.org/#homepage



Health economic assessment tool (HEAT) for walking and for cycling

Methods and user guide on physical activity, air pollution, injuries and carbon impact assessments



Heat user guide:

https://www.heatwalkingcycling.org/#userguide







Questions?