

Designing cities with a focus on wellbeing and health

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Designing cities with a focus on wellbeing and health

To collectively explore the contribution that built environment and public health professionals can make in addressing the European health objectives in Health 2020:

- ▶ Innovative leadership
- ▶ Reducing inequalities
- ▶ Active citizenship
- ▶ Life-course approaches

Designing cities with a focus on wellbeing and health

Health 2020	Urban environment and health			
	Urban planning	Green spaces	Housing	Facilities
Innovative leadership	?	?	?	?
Reducing inequalities	?	?	?	?
Active citizenship	?	?	?	?
Life-course approaches	?	?	?	?

Designing cities with a focus on wellbeing and health

- ▶ Innovative leadership
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- ▶ Life-course approaches

Leadership is

"a process of social influence in which one person can enlist the aid and support of others in the accomplishment of a common task"

Chemers M. (1997)

What is health?

“Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.”

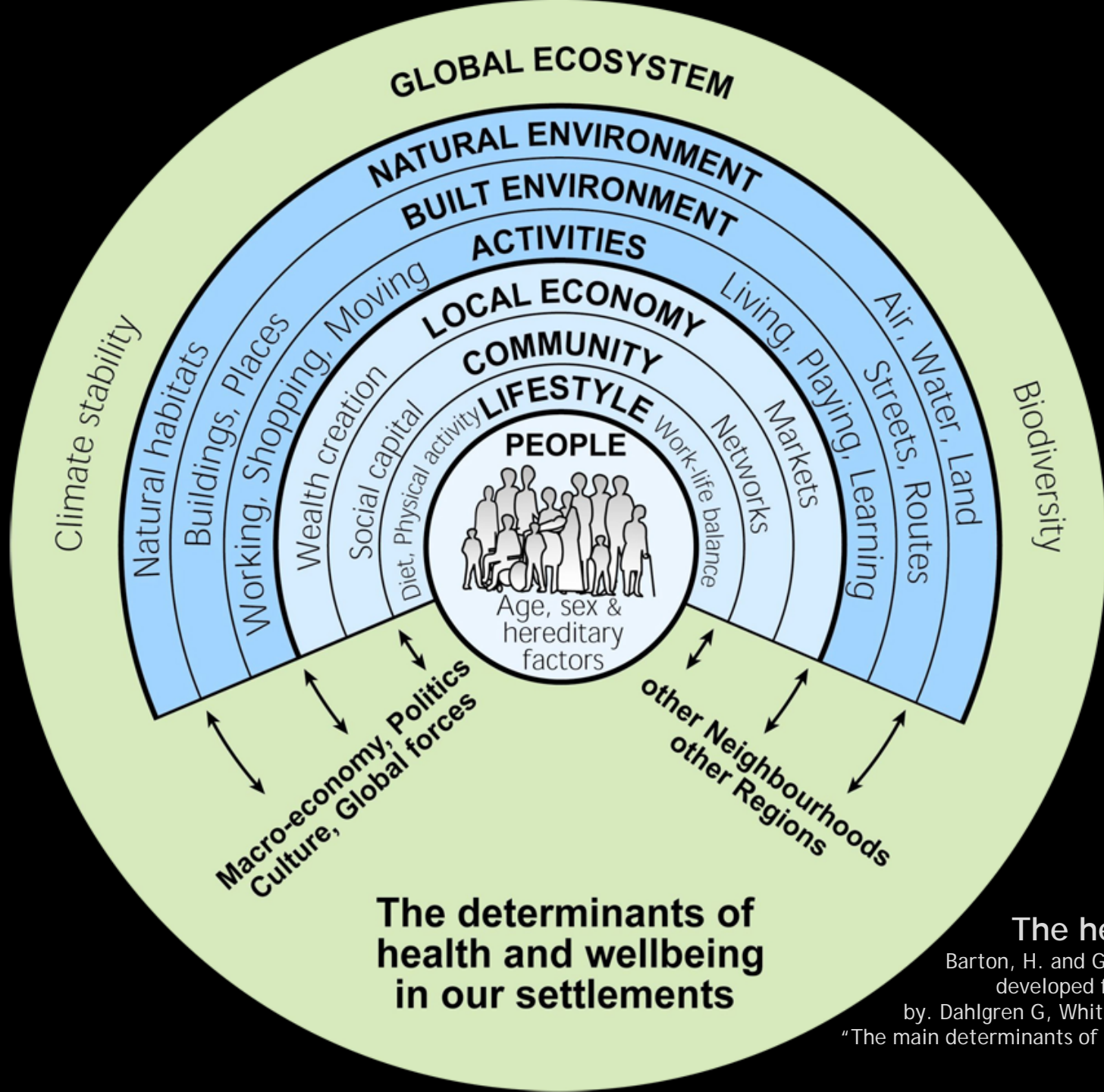


“The health of individuals, the health of towns, and the health of the planet are indissolubly linked”

The ultimate source of all
human health

A satellite-style image of Earth showing the Americas, with the text "The ultimate source of all human health" overlaid in white. The image shows the continents of North and South America in shades of green and brown, surrounded by the deep blue oceans. The Earth is set against a black background with some faint stars. The text is centered over the Atlantic Ocean, between the two continents.

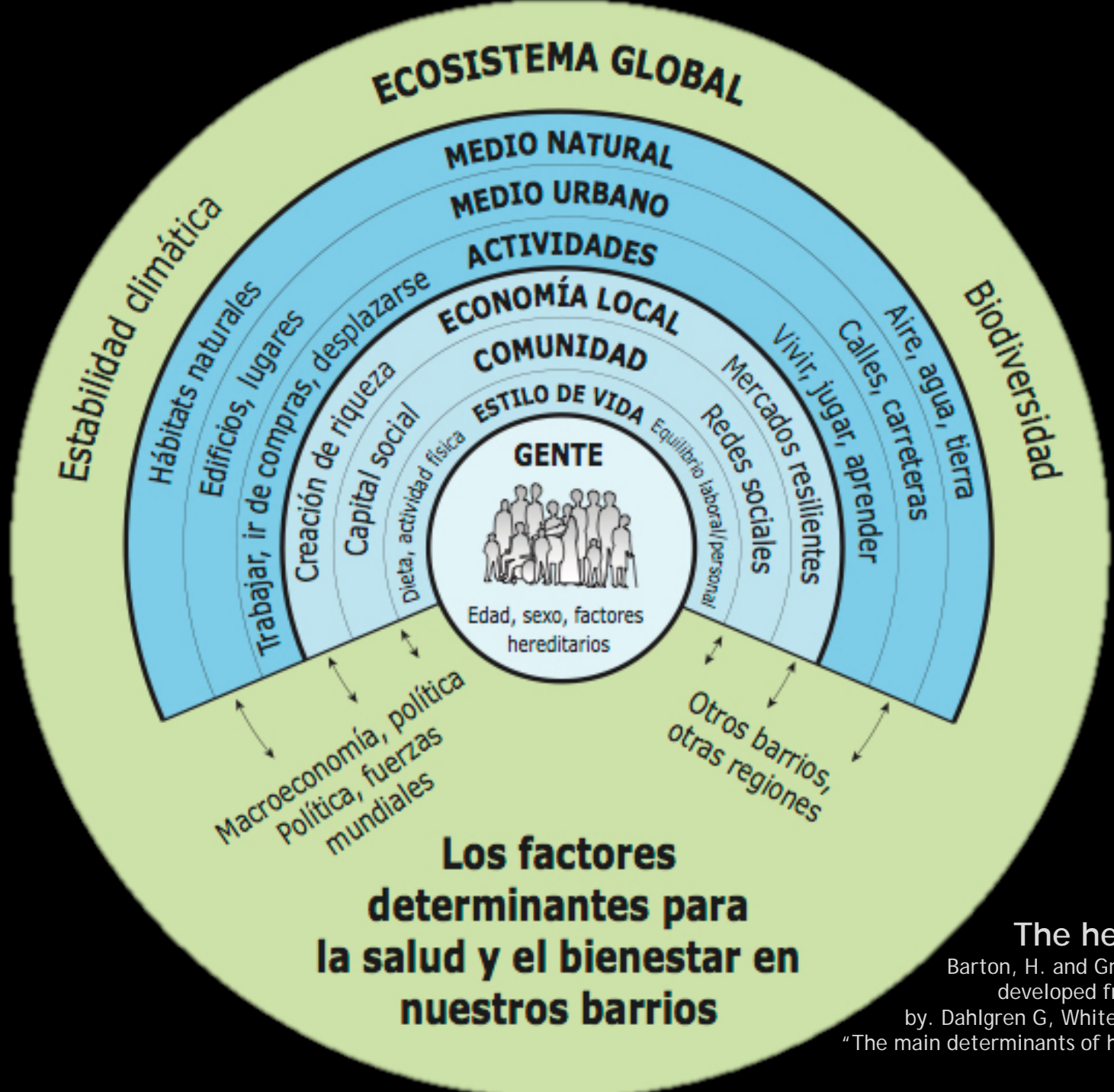
The ultimate source of all
human health



The determinants of health and wellbeing in our settlements

The health map

Barton, H. and Grant, M. (2006)
 developed from the model
 by. Dahlgren G, Whitehead M (1991)
 "The main determinants of health" model

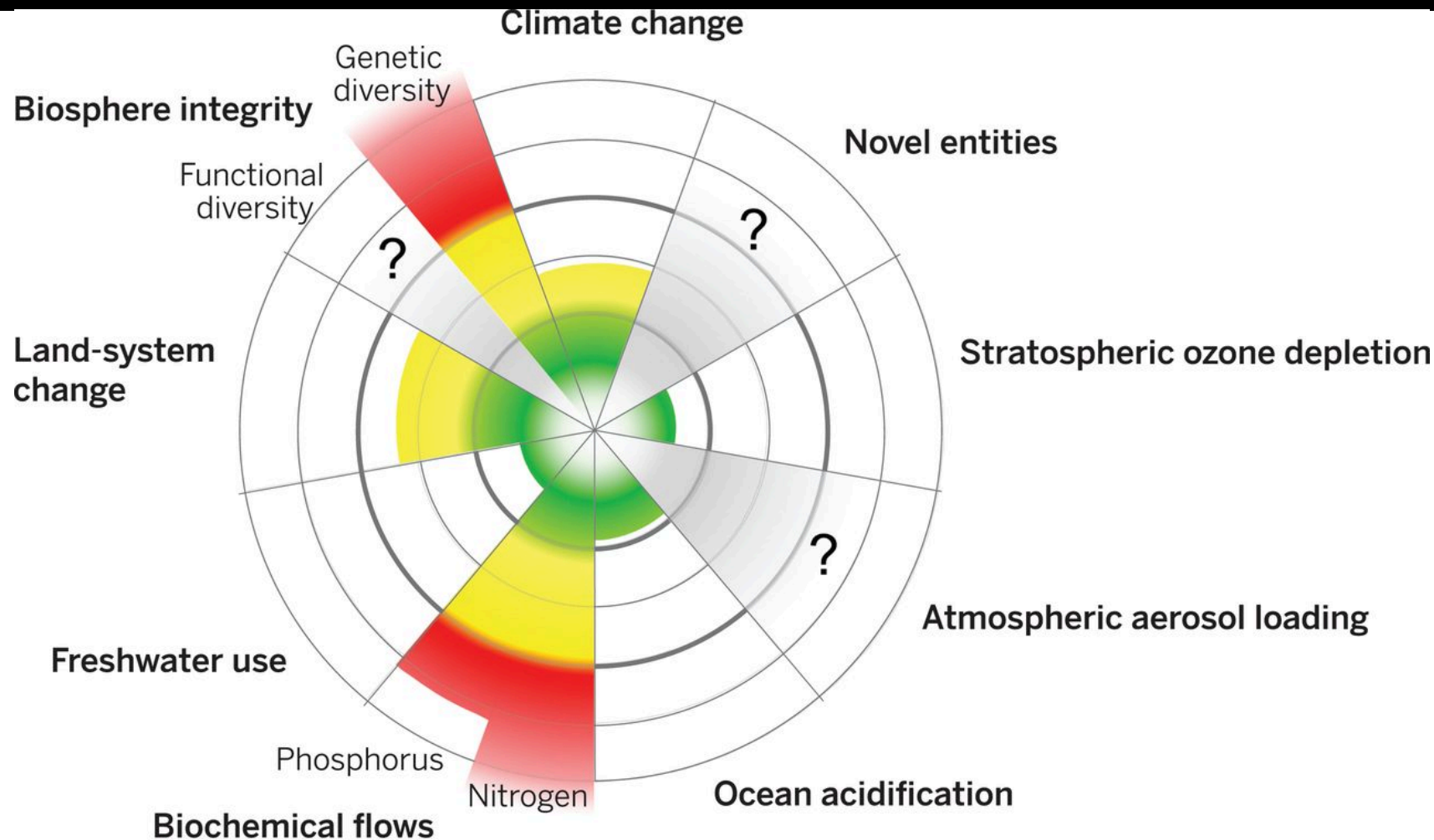


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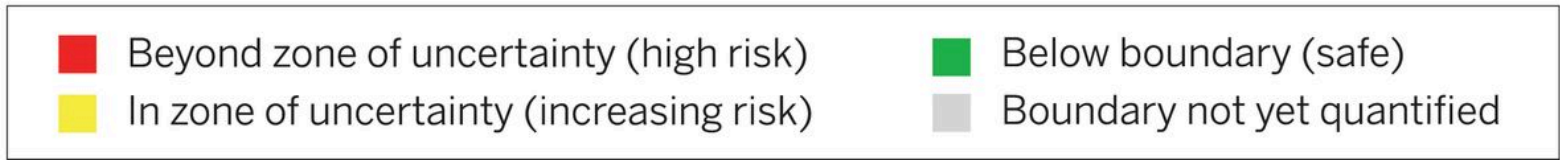
*'You can't have
healthy people on a
sick planet'*

Thomas Berry, *The Dream of the Earth*, 1998

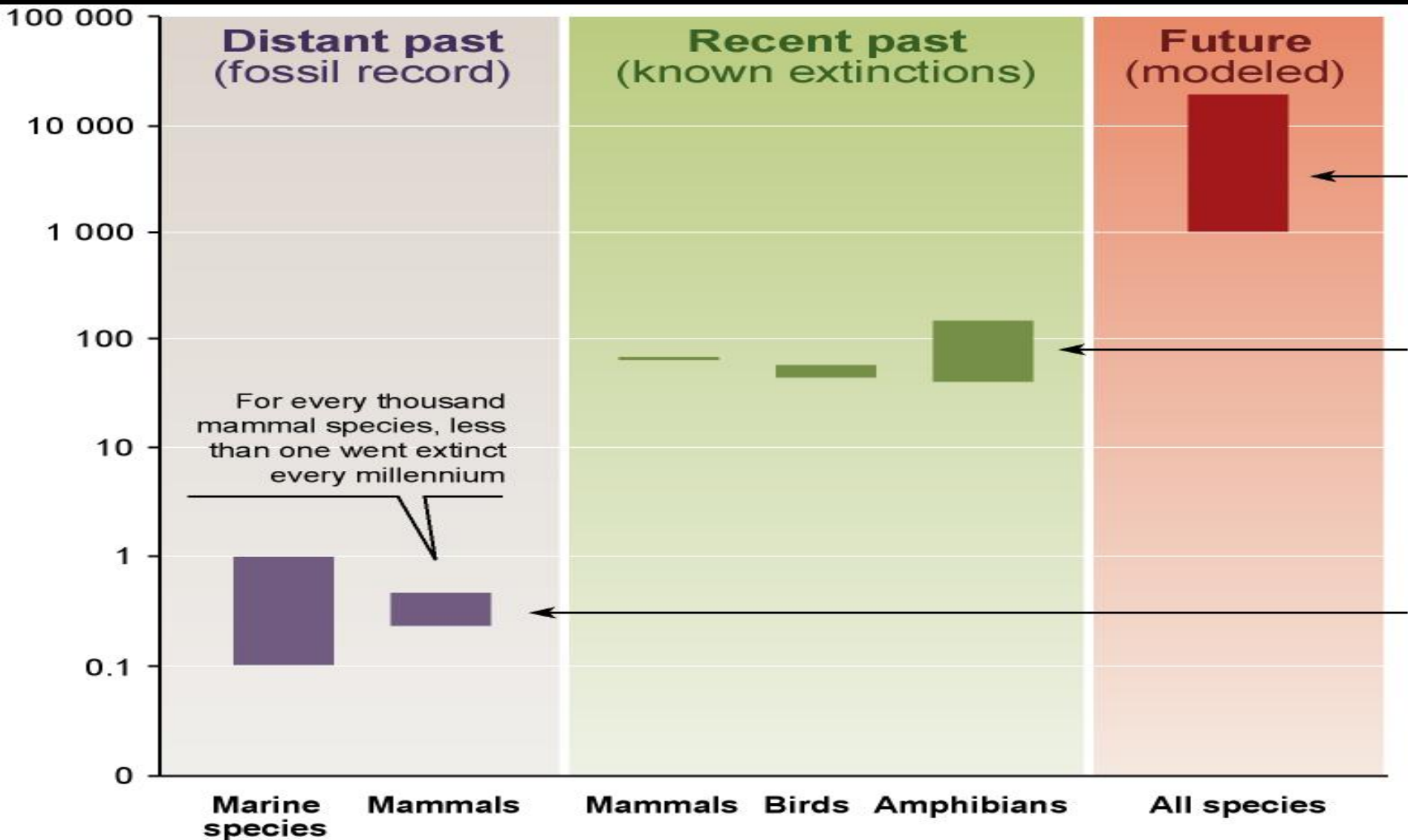
Running-out of planetary operating space



Steffen, W. et al.
(2015)



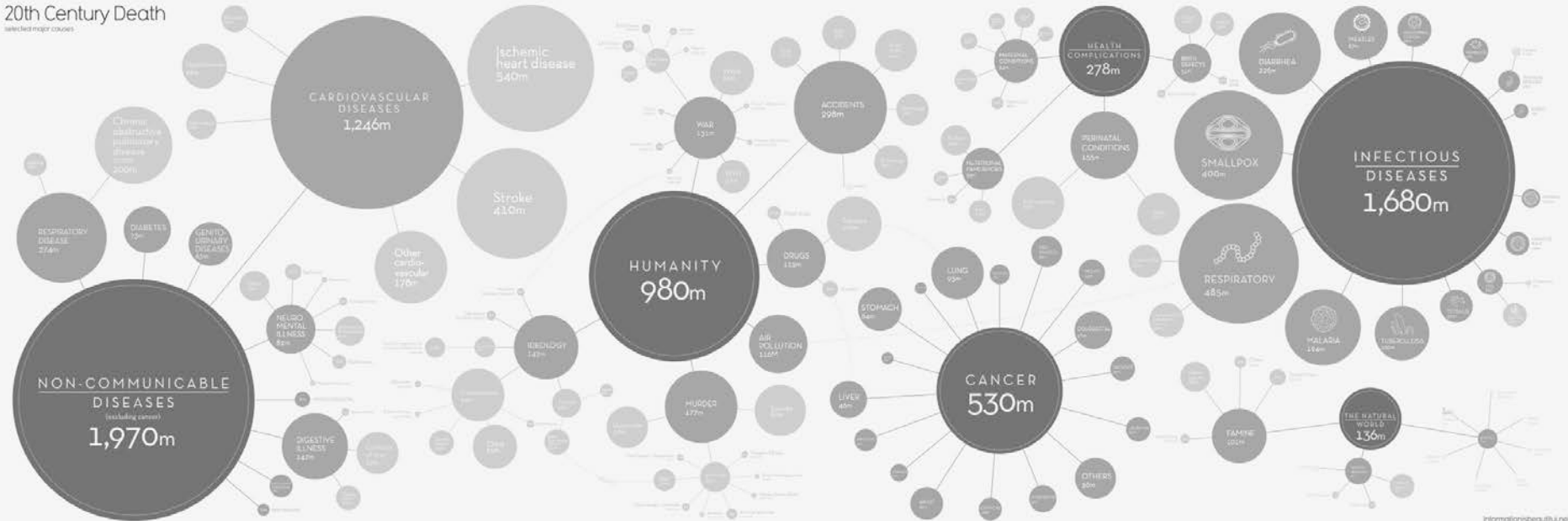
Extinctions per 1000 species per millennium



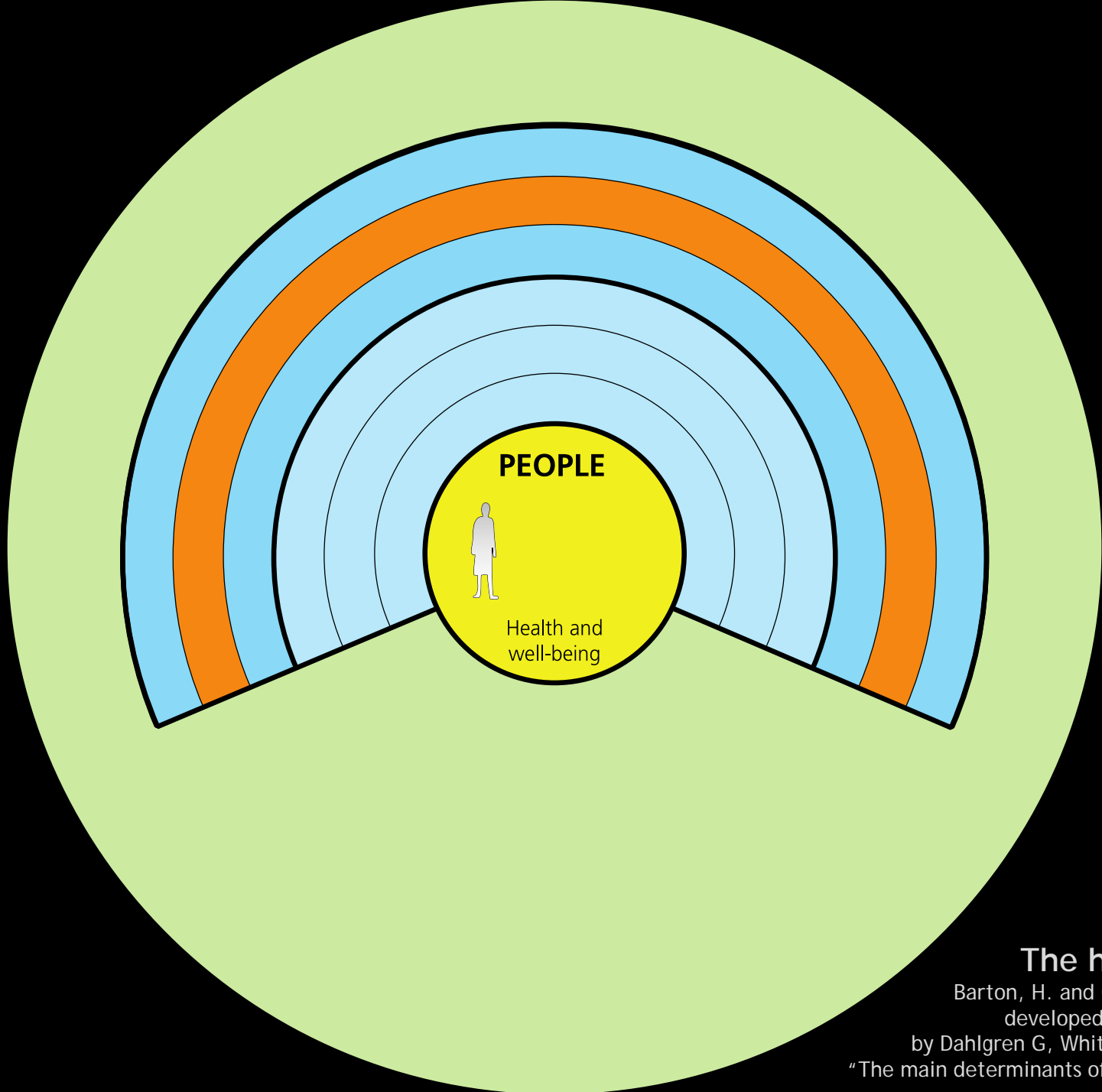
Source: Millennium Ecosystem Assessment

20th century death

20th Century Death



*'You can't have
healthy people in a
sick city'*



The health map

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"The main determinants of health" model

“In cities; progress in health depends not only on the strength of health systems, but also on shaping urban environments.”

Alex Ross; Global report on ‘Urban health: equitable, healthier cities for sustainable development’. WHO and UN Habitat 2016

GLOBAL REPORT
on

URBAN

equitable, healthier cities for sustainable development

HEALTH





	Castelo	POR
	id	POR
	rd	SRB
NK	vo	BIH
	ovsk	RUS
	ice	ITA
	nizli	TUR
	nisinau	MDA
	Jucharest	ROM
	Frederiksberg	DEN
	Filothei-Psychiko	GRE
	Chapayevsk	RUS
	Burdur City	TUR
	Osmanгази	TUR
3		
34	Riga	LVA
65	Mezitli Municipality	TUR
66	Poznan	POL
67	Trabzon Metropolitan	TUR
68	Skopje	MKD
69	Brno	CZE
70	Ljubljana	SVN
71	Stupino	RUS
	R	
72	Pärnu	EST
JR	Sant Andreu de la Barca	SPA
UR	Waterford	IRE
TUR	Barcelona	SPA
TUR	Brussels	BEL
TUR	Derry City and Strabane	UNK
TUR	Düsseldorf	DEU
GRE	Gorki	BLR
POL	Kaunas	LTH
POL	L'Hospitalet de Llobregat	SPA
DEU	Rennes	FRA
AUS	Stockholm	SWE
HUN	Sunderland	UNK
HUN	Turin	ITA
CRO	Turku	FIN
SVN	Novosibirsk	RUS
RUS	Municipality of Arad	ROM
CRO	Balçova/Izmir	TUR
ITA	Jerusalem	ISR
ITA	Podgorica	MON
ITA	Çankaya	TUR
ITA	Drama	GRE
NET		
BEL		
TUR	ahisar (Trabzon)	
SPA	oria-Gasteiz	
SPA	Ilanueva de la Cañada	

● 64 Designated cities
● 29 Applicant cities

Network of European National Healthy Cities Networks



Accredited (20)

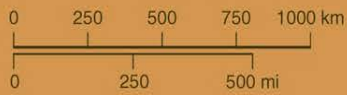
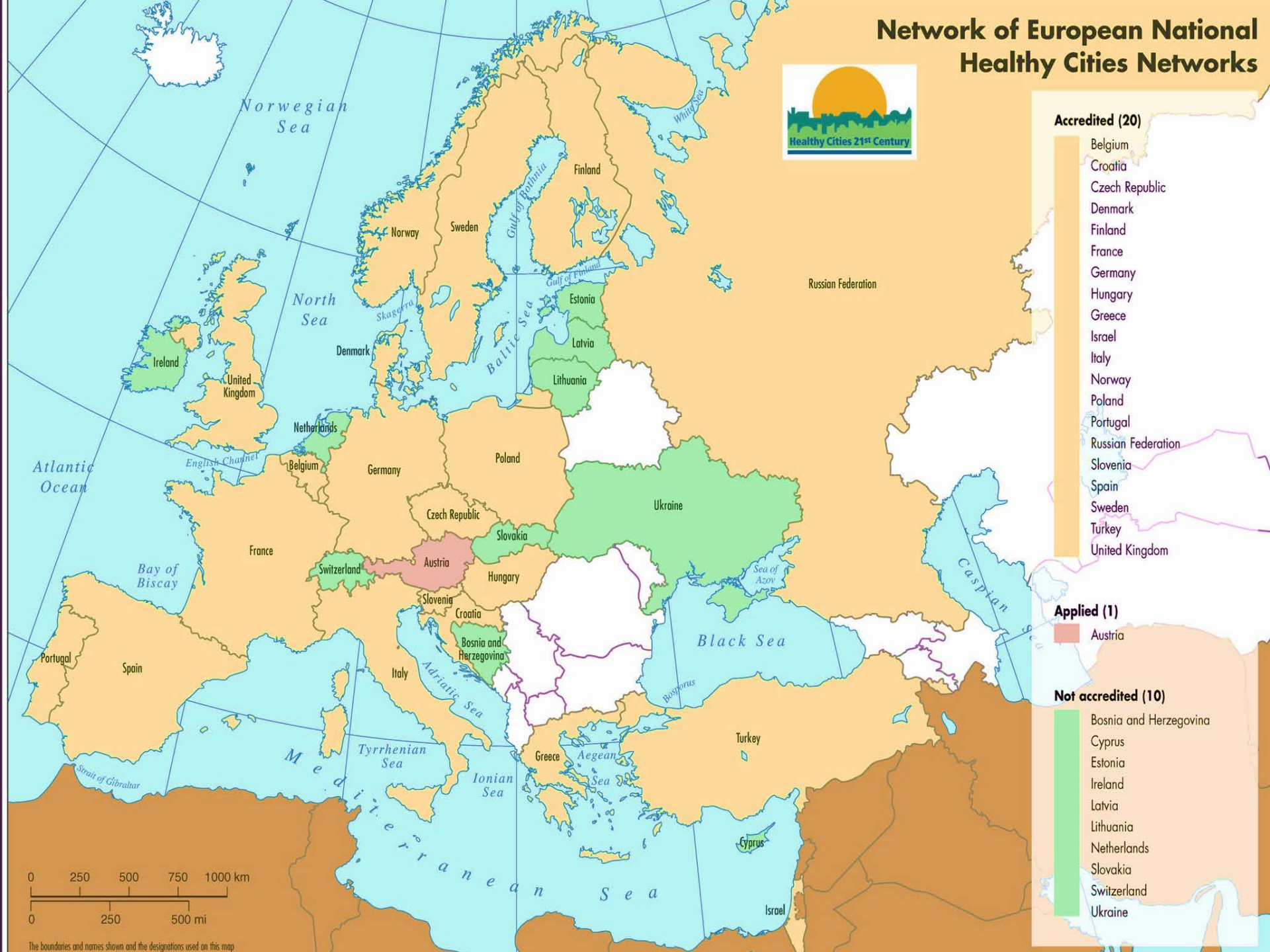
- Belgium
- Croatia
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Hungary
- Greece
- Israel
- Italy
- Norway
- Poland
- Portugal
- Russian Federation
- Slovenia
- Spain
- Sweden
- Turkey
- United Kingdom

Applied (1)

- Austria

Not accredited (10)

- Bosnia and Herzegovina
- Cyprus
- Estonia
- Ireland
- Latvia
- Lithuania
- Netherlands
- Slovakia
- Switzerland
- Ukraine



The boundaries and names shown and the designations used on this map

How can we support leadership for healthy urban planning?

- Political leadership
- Citizen leadership
- Professional leadership
- Academic leadership
- Business leadership

Designing cities with a focus on wellbeing and health

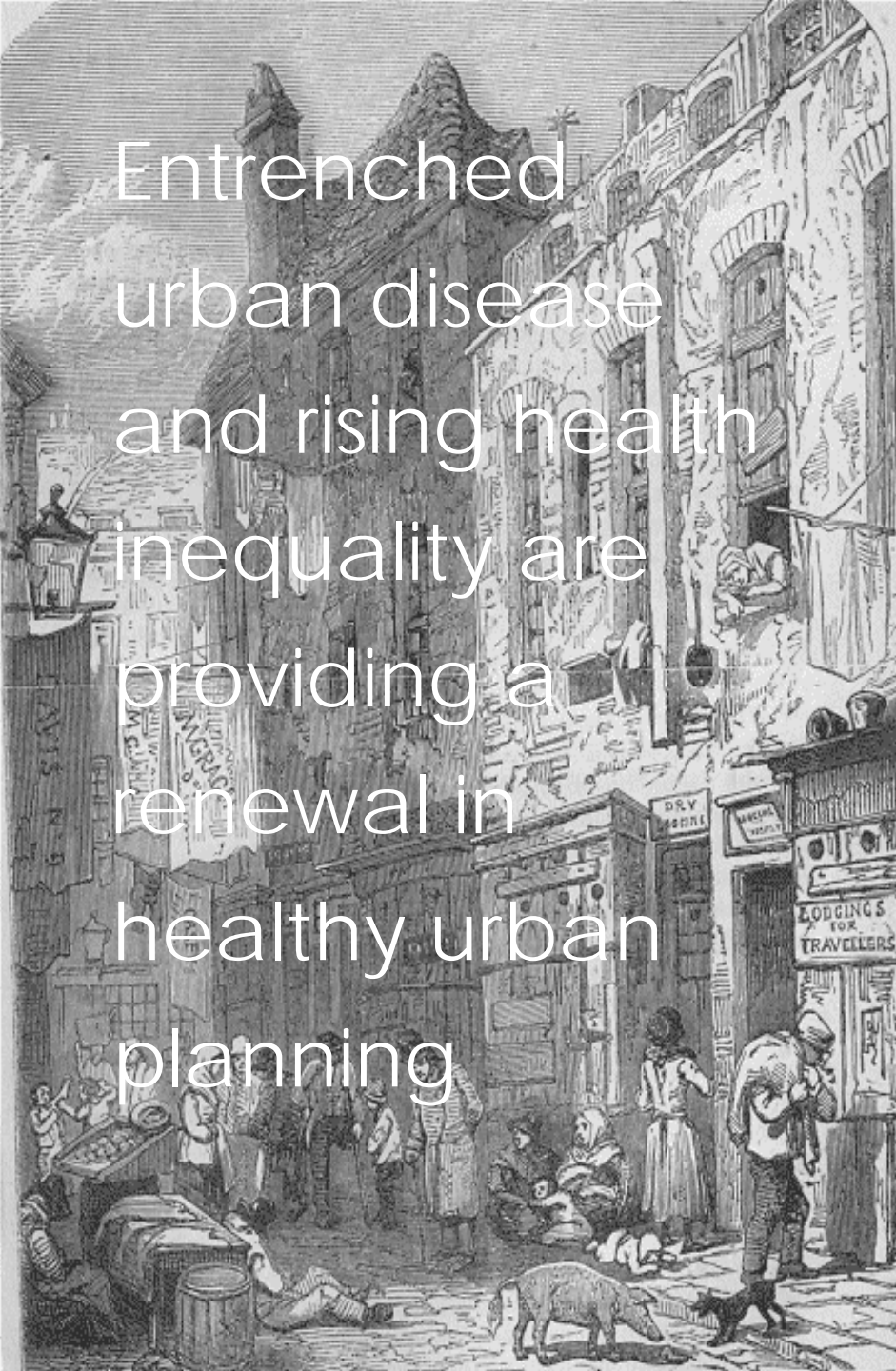
- ▶ Innovative leadership
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How can we support leadership for healthy urban planning?

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Entrenched
urban disease
and rising health
inequality are
providing a
renewal in
healthy urban
planning





Communicable

Cholera

Scrofula

Typhoid

Dysentery



Non-communicable

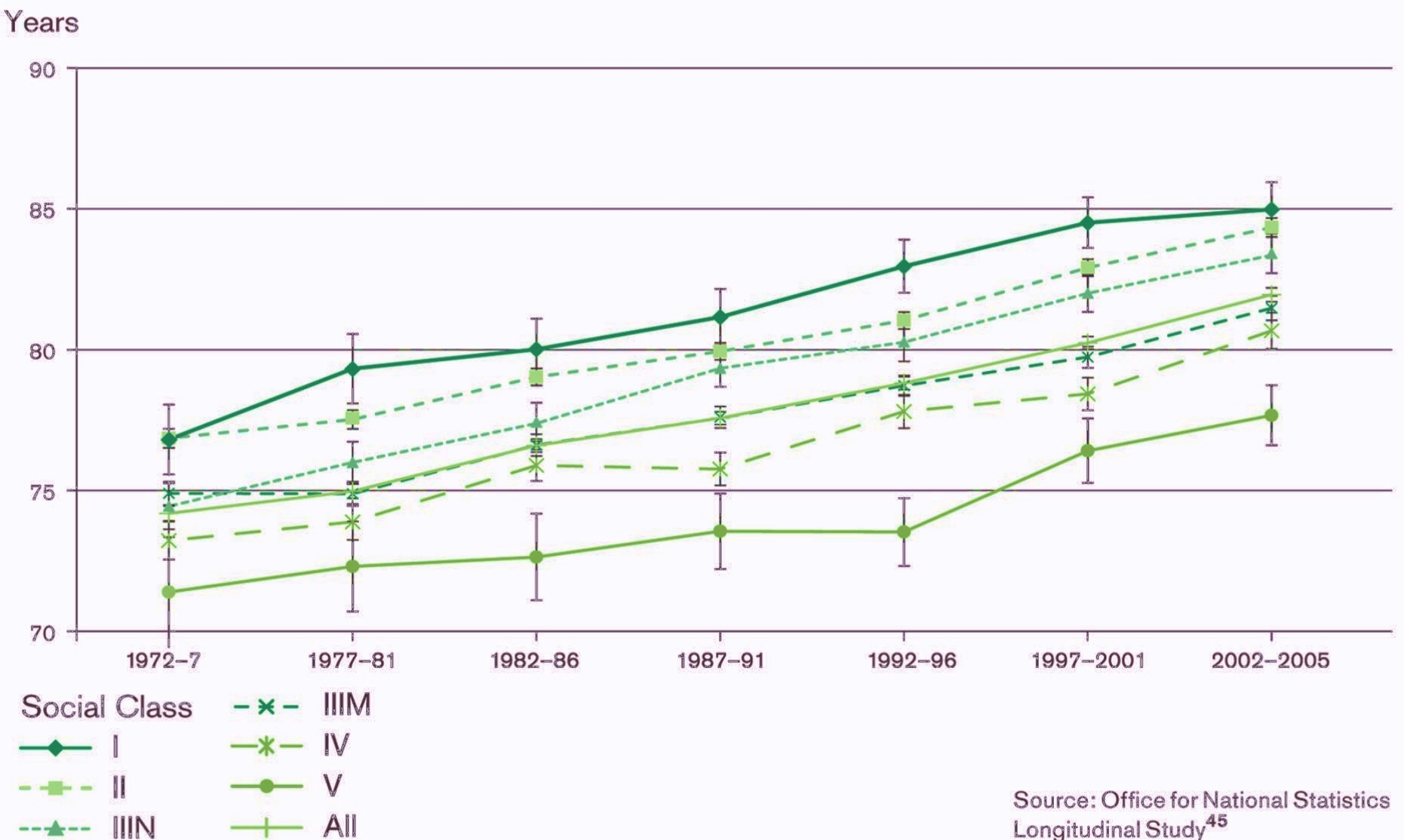
obesity and diabetes

heart disease, some
cancers

asthma & respiratory
problems

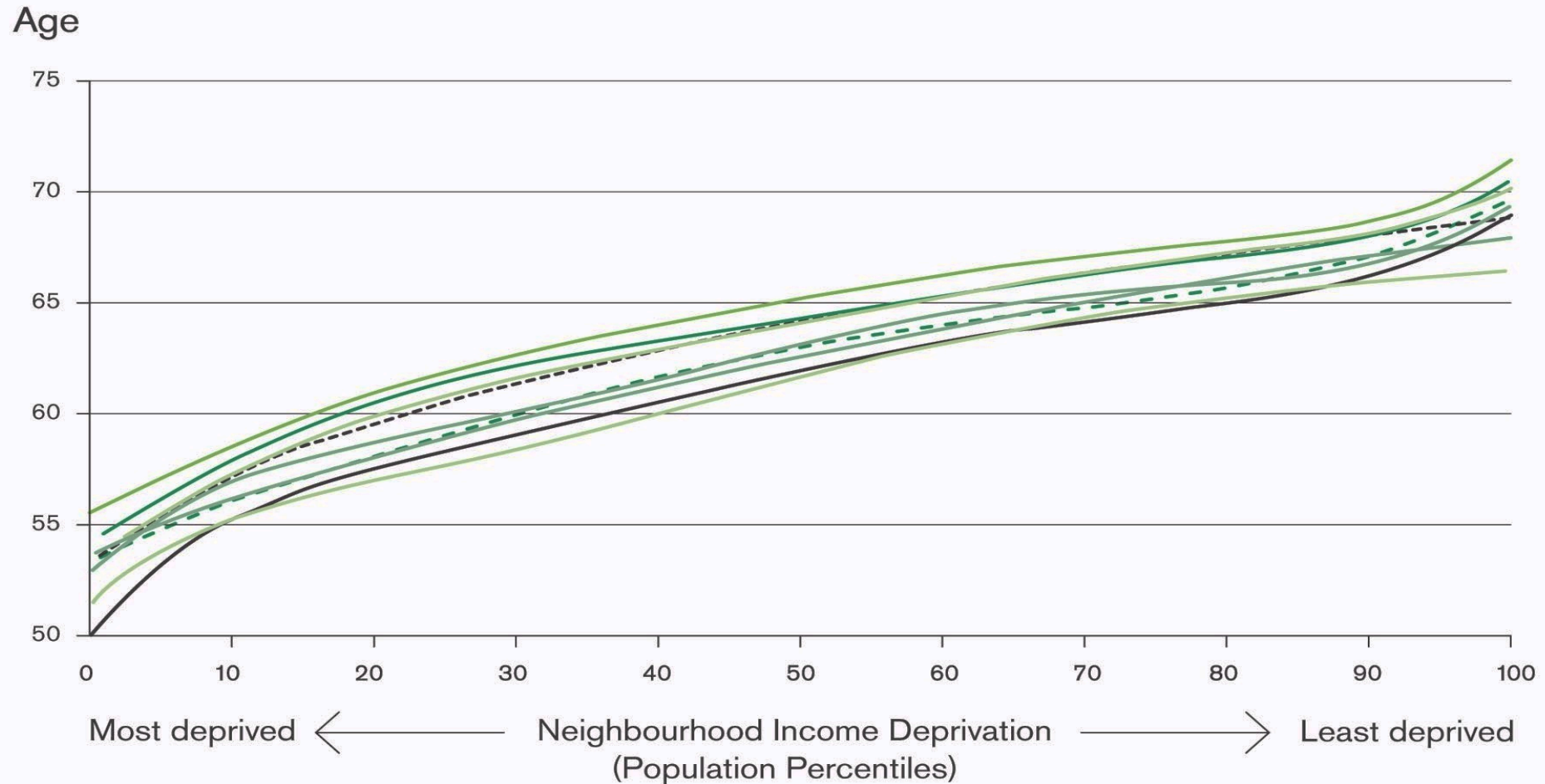
stress & mental illness

Life expectancy at birth for males over time plus social class (Marmot report)



Disability-free life expectancy at birth vs. neighbourhood income

(Marmot report)





Health in All Policies (HiAP)

Targets the key social determinants of health through integrated policy response across relevant policy areas with the ultimate goal of supporting health equity.



The rationale behind Health in All Policies

Health is influenced by social, environmental and economic factors, which lay beyond the realm of the health sector.

**AT LEAST 3,000,000 PEOPLE TAKE
PILLS FOR DEPRESSION IN THE UK.**

**The market is not delivering places
where people can thrive**

ARE YOU HAPPY?



The market is not delivering places
that support healthy lifestyles



Built with no concern for population health

Attractive homes . . .

. . . behind walls . . .

. . . in unattractive neighbourhoods



Built with no concern for population health

Strung out local facilities . . .

. . . design optimised to **suppress** walking!!?



Built with no concern for population health

Office and retail parks looking lavish . . .

. . . but 90% car-dependent



Childhood environments which lack of stimulation



We even build toxicity into our high streets

Betting shops

Money lenders

Fast-food takeaways

Cheap alcohol

Tanning salons

Vaping emporia



Sir Geoff Hurst
Why England
deserve the
2018 World Cup

Sport Page 3



£0.80
Thursday 01.11.07
Published
in London and
Manchester
guardian.co.uk

the

'Fit towns' plan to tackle child obesity

- Proposals for 10 healthy eco cities
- Weight a key factor in cancer: study

Patrick Wintour
Political editor

The report from the World Cancer Research Fund says obesity is a major factor in cancer and people should fight to keep their weight down throughout their lives. "The most striking thing to emerge from the

Obesogenic towns

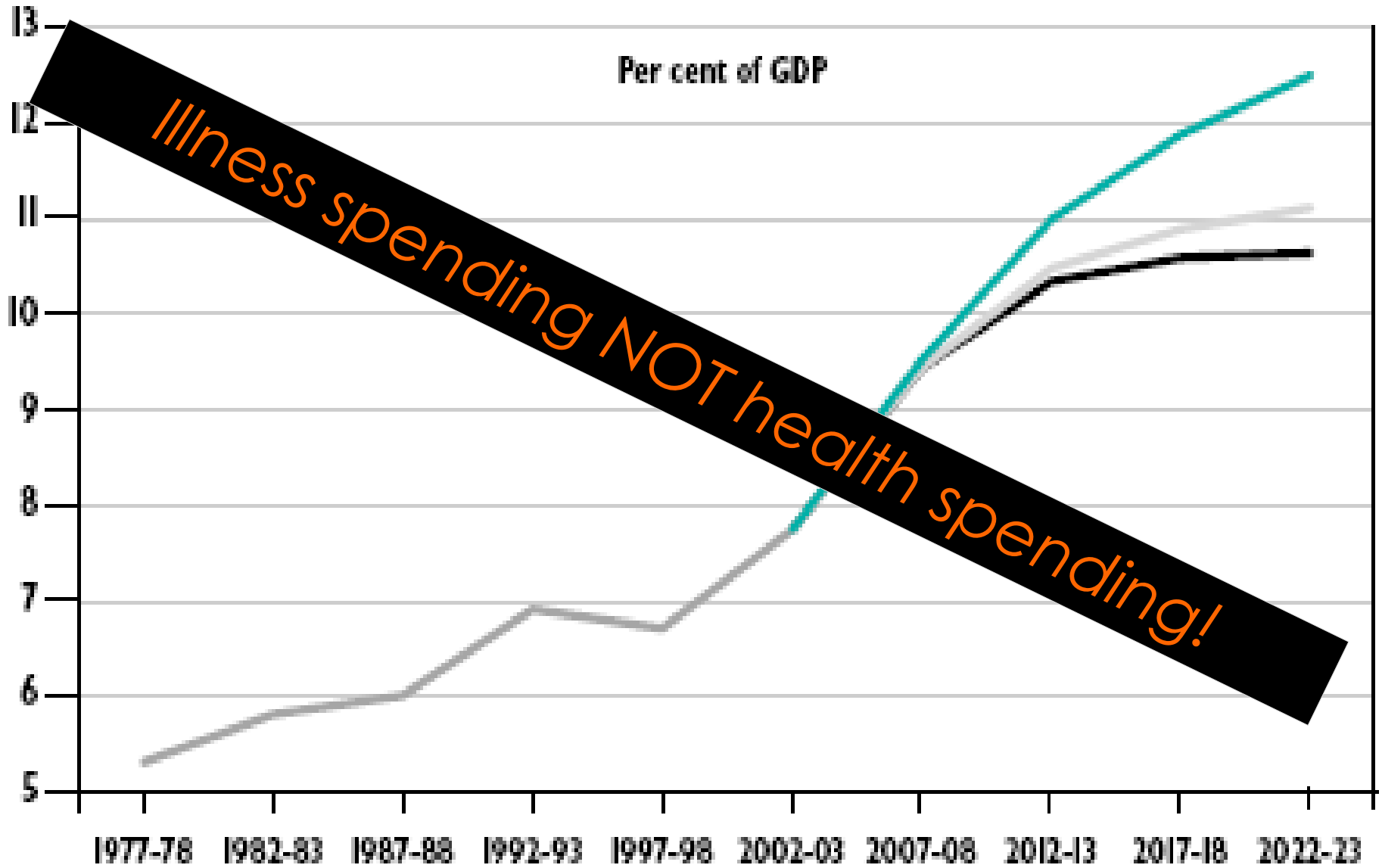
(Swinburn et al. 1999)

Depressogenic towns

(Francis et al. 2012)

Pathogenic towns

Total UK health spending



— Slow uptake — Solid progress — Fully engaged

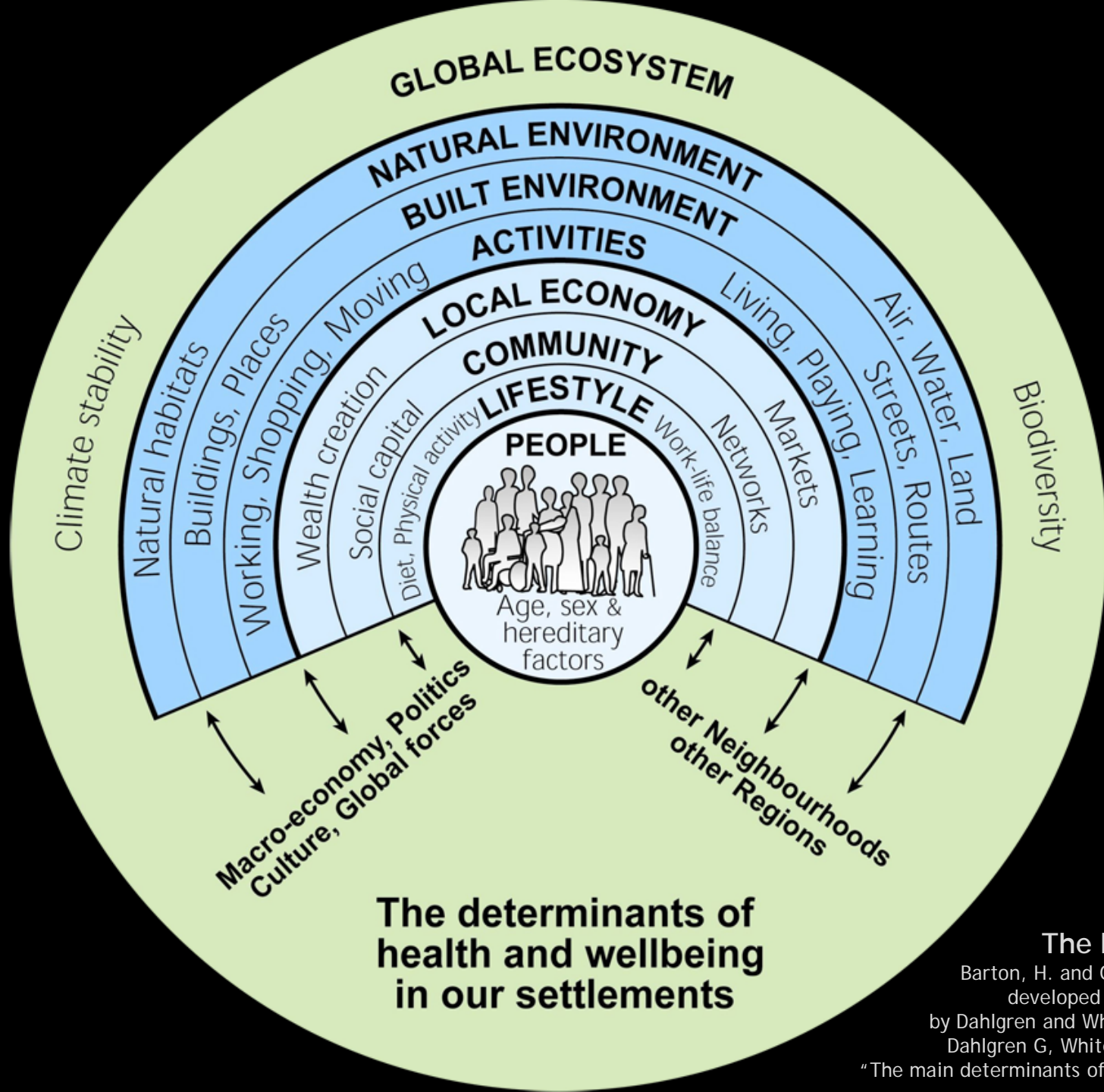
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How do we ensure that city development reduces inequalities?

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Los factores determinantes para la salud y el bienestar en nuestros barrios

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ONE LANE DEVELOPMENT AND RESIDENTIAL MIX OF LIGHT-INDUSTRIAL

Spectrum Appraisal for Health

Grading a proposal against the local criteria

Very High	High	Medium	Low	Very Low
Red	Yellow	Green	Blue	White



Health Walk Audit:

Communities and their local environments

- What keeps your community healthy?
plus
- What detracts from health?
makes
- Agenda for action

Health Walk Audit: Communities and their local environments



Health Walk Audit: Communities and their local environments



Health Walk Audit: Communities and their local environments



What keeps Bedminster healthy?

Aspects of the local area which support (and detract) from health



Healthy City Group

11 May 2013

- * Centres where people are out doing things eg. Long Filly bar, Car Farm, east end (West Park) cafes
- * East street - good access to fruit veg, butchers in some places.
- * New arrival area + other improvements eg. ped work project
- * Good feel in residential streets
- * Good density + location for walking
- * Cycling - lots of good new resources
- * East street much improved [regular walking]

- Community care takers concept eg. Parkdale re: N food delivery team
- ▶ Extending pavement for interesting things
- ▶ West street - look + feel for cycling + pedestrians
- ▶ Investment in cycling facilities along Coronation Rd. + connections
- ▶ Signage - walking + cycling
- ▶ More greenery eg. East st.
- ▶ To reduce car intensity [I learn from other areas of Bristol] plus best practice for cycling will
- ▶ Solving issues associated with Monica Wilks house. Access + mobility



- Lots of parked cars
- Difficult pavements
- Cemetery - few benches + other places
- Air quality issues eg. West street
- Some very difficult areas for food + retail access
- Evidence re: litter in places
- "Housing" territory re: public realm
- Private overgrowth onto pavement
- Council cycling - some lack of attention to detail and old facilities non
- Parking at corners
- Buildings - derelict + poor maintained upper stories
- Empty retail
- Housing conditions re: private landlords + basement
- Mobility for opening the pavements obstructed
- Police issue/interest

Health Walk Audit: Communities and their local environments

What keeps St Jude's and Old Market healthy?



Supporting health

- Quiet areas + seats
- ▶ Safe connecting routes walking + cycle
- Safe housing/entry
- Trees
- Buildings + Identity
- Basket Ball ✓ (night use)
- Specialist traders in Old Market - Gay community
- Vibrant shops + food - Stapleton Rd.
- Rescue centre (but at capacity)

Aspects of the local area which support (and detract) from health

- Needs a Voice
- Agenda for health
- ▶ Health equality + accessibility
 - ▶ Health + transport forum actions
 - ↳ invisible barriers
 - ▶ Asset of empty buildings
 - ▶ Asset of green 'dead' land - no ownership
 - need
 - community
 - real purpose - allotments
 - play
 - ▶ Street party / markets / carnival
 - ▶ Event, animation
 - ▶ Messages - Don't do or welcome
 - ▶ Proposals + change as a focus
 - ▶ Recycling issues with community

-
- Dead green lands
 - Empty buildings - absentee land lords
 - Noise levels in some areas
 - Traffic speed + road design + unsafe
 - Quality of Old Market eg. Greening
 - Rough sleepers in underpass
 - Lack of play - under 5s, 5-10s, Early teens
 - Community engagement
 - Library closure
 - Community Venue
 - Connecting routes - pedestrian + cycling
 - Alcohol / sexual health - "street issue"
 - Christian service
- Detracting from health
- Drug paraphernalia in park
- Lack of community facilities
- Empty shops + Old Mkt.
- social problems
- individual



Neighbourhood Health Check
Healthy City Group
19 October 2011



SPECTRUM APPRAISAL: HEALTH SCOPING TOOL

Excellent	The health determinants are fully addressed. A very well-designed scheme could lead to exceptional practice.
Good	The health determinants are generally addressed. Well thought out, should lead to 'correct best practice'.
Negotiable	The health determinants are partially addressed. A more successful outcome depends on further work but based on the current approach.
Problematic	The health determinants are very weakly addressed. It is not likely to be satisfactory. Further work is needed on the current approach.
Unacceptable	The health determinants are not being addressed at all. It is not likely to be satisfactory. Further work is needed on the current approach.

Spectrum: Health appraisal
Location and configuration
Step 1 - Develop appropriate local criteria

Global ecosystem
Does the proposal respect ecosystem services & g. rivers and woodland?
Will the location of facilities minimise carbon intensive travel?

Natural environment
Will people have good access to the natural environment?
Is the development mindful of air quality?

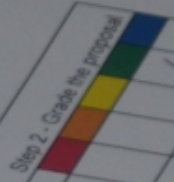
Built environment
Does the proposal provide a healthy built living and working context?
Activities
Will people have good access to local facilities?

Local economy
Does the proposal provide local jobs and conditions for a strong local economy?

Community
Does the configuration provide a context for social capital and community space?

Lifestyle
Will the proposal support or frustrate active lives?
Does the development cater for local needs?
Does the development suit the demographic, also to projected increases?

Broader strategic implications
Does the proposal relate well to existing development/communities in the area?



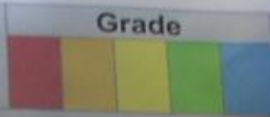
	1	2	3	4	5	6
Global ecosystem						✓
Natural environment						✓
Built environment						✓
Local economy						✓
Community						✓
Lifestyle						✓
People						✓
Broader strategic implications						✓





Derriford / Seaton
Draft Health Impact Criteria

Grade



Health
+ -
Equity

Strategic Links

1 - Strategic transport links



28 4

2 - Strategic sectoral links



20

People

3 - Homes for all



25 3

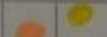
4 - Services that support well-being



32

Lifestyle

5 - Diet and local food growing



6 - Active lives



Community

7 - Community buildings



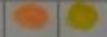
8 - Stakeholder involvement in planning and management



9/10 14

Activities

9 - Provision of local retail facilities



10 - Accessibility of local retail facilities



Local economy

11 - Local jobs, training and wealth creation



12 - District centre



23 10

Built environment

13 - Quality of the public realm as a place



14 - New transport links



(1) 23 8

Natural environment



+ve potential

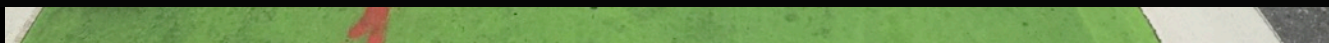




We can create healthy and sustainable places people want to live



In San Francisco; bike priority lanes proliferate





In San Francisco; bike priority lanes proliferate

Designing cities with a focus on wellbeing and health

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How can we support our communities to **demand** healthier neighborhoods?

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Ageing – A success story



*60 year olds now have the life of
40 year olds from a century ago*

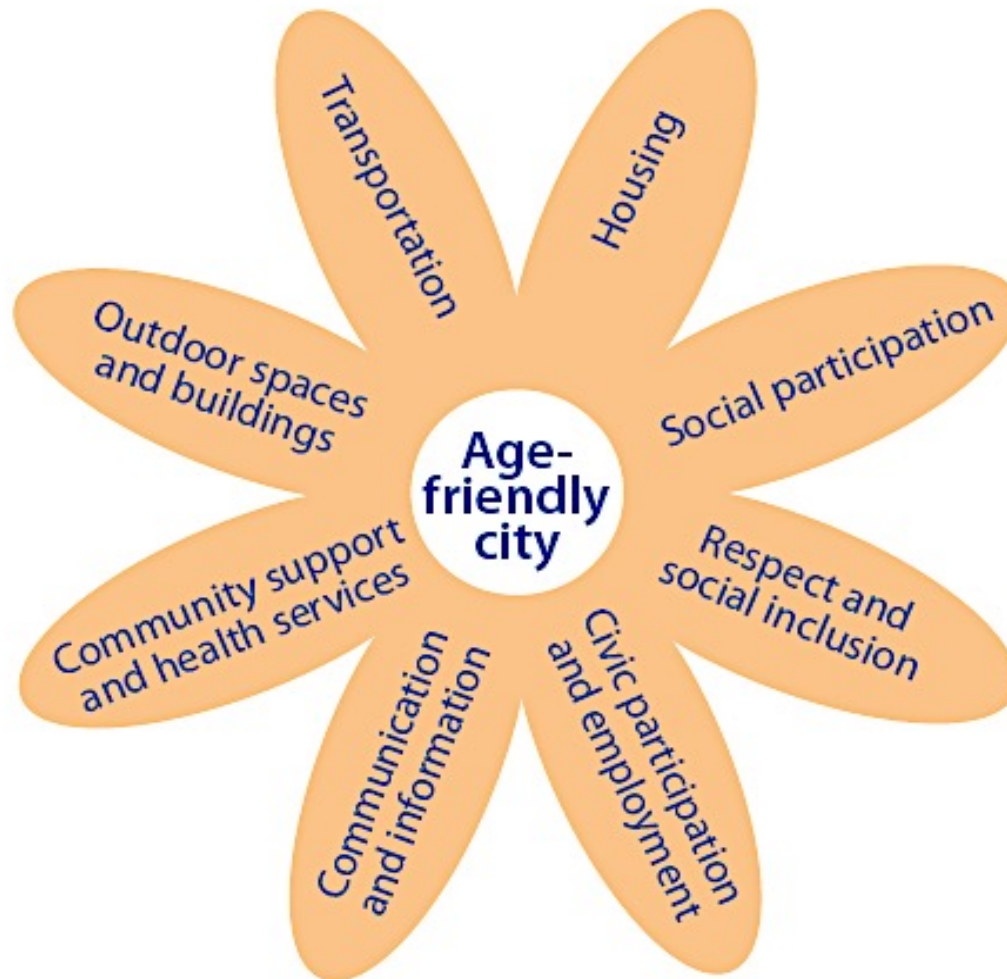
Older
person?

Age 71



European age-friendly cities

Figure 6. Age-friendly city topic areas



The evidence base: Getting outdoors

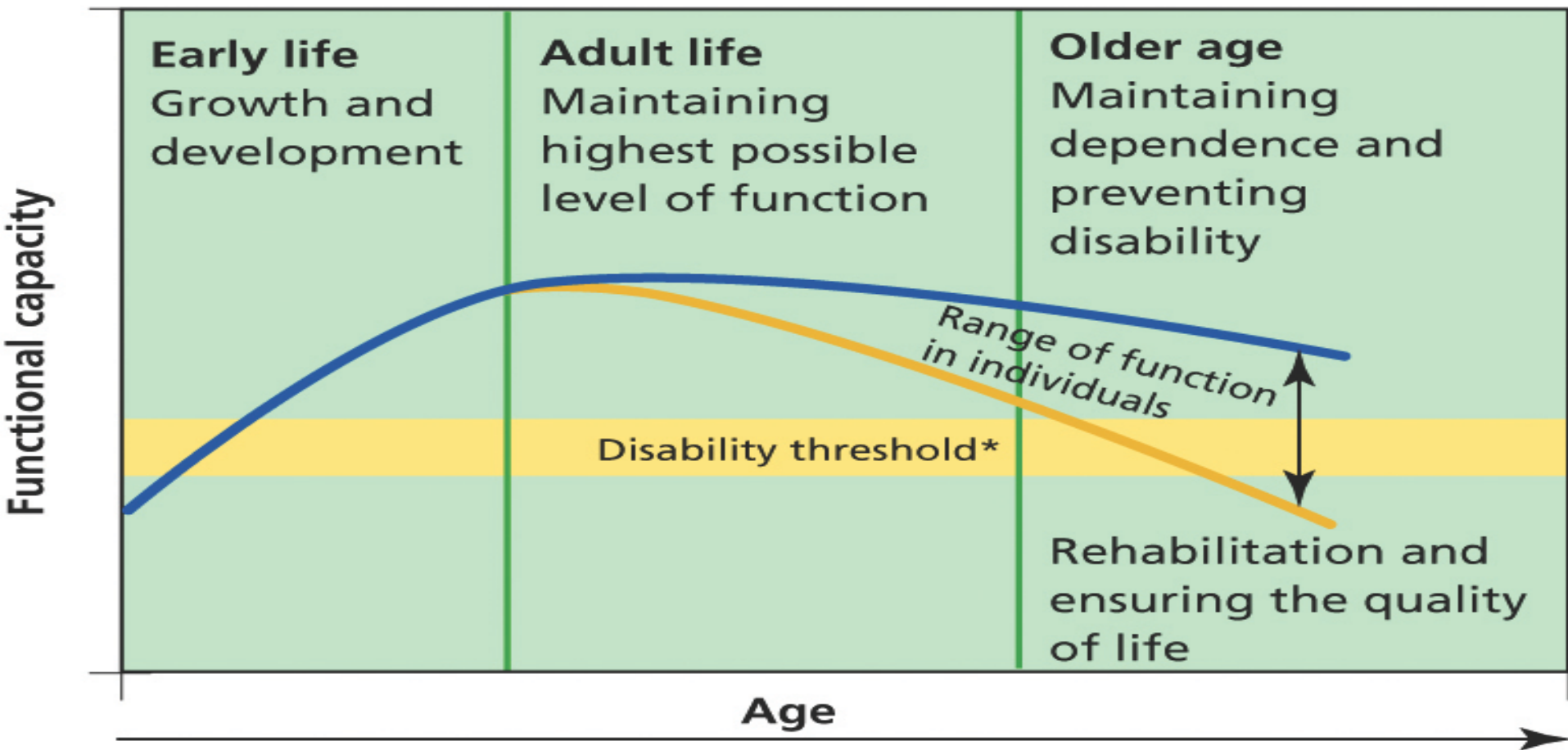
- Many older people face barriers getting outdoors, e.g. 52% of respondents in the UK said that a lack of public toilets in their area prevented them from going out as often as they liked
- Those living in residential care or sheltered homes are much less likely to get outdoors
- People living close to open and green spaces are more likely to get out

For older people



- Immediate home environment becomes more important due to increased physical difficulties which limit their spatial range
- Satisfaction with neighbourhood has a significant predictive effect on quality of life

Fig 9.1 A life-course approach to ageing



* Sources in the environment can lower the disability threshold, thus decreasing the number of disabled people in a given community

Source: Kalache A, Kickbusch I. A Global strategy for healthy ageing. World Health, 1997, 50(4):4-5.

A life-course approach to ageing (Kalache et al. 1997)



We can create safe play spaces



We must support healthy lifestyles for all

Life-course in the built environment

Themes for a healthy built environment :

- everyday movement and accessibility
- opportunities for social interaction and recreation
- supporting safe and inclusive communities

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Are we creating places that support health across all ages?

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	Urban planning	Green spaces	Housing	Facilities
Innovative leadership	?	?	?	?
Reducing inequalities	?	?	?	?
Active citizenship	?	?	?	?
Life-course approaches	?	?	?	?

*'Health is created
and lived by people
within the settings of
their everyday life;
where they learn,
work, play, and love.'*

WHO Ottawa Charter 1986



Our challenge for this conference

Can we form a consensus on:

- ▶ *What issues cities need to prioritise?*
- ▶ *What kind of interventions might be effective?*
- ▶ *What are the constructive steps we can take to further this agenda?*

Gap - what we know and what we do

Bridging the “Know-Do” Gap

Meeting on Knowledge Translation in Global Health

10–12 October 2005

World Health Organization
Geneva, Switzerland



World Health
Organization

International Public Health Symposium on Environment and Health Research

Science for Policy, Policy for Science: Bridging the Gap

Madrid, Spain, 20–22 October 2008



SHAPING NEIGHBOURHOODS

FOR LOCAL HEALTH AND GLOBAL SUSTAINABILITY

2ND EDITION



HUGH BARTON, MARCUS GRANT AND RICHARD GUISE



Cities HEALTH

Guidance for
designers

ROUTLEDGE
ROUTLEDGE
HANDBOOKS



The Routledge Handbook of Planning for Health and Well-Being

Edited by Hugh Barton, Susan Thompson,
Sarah Burgess and Marcus Grant

Cities
HEALTH

Evidence for
policy-makers

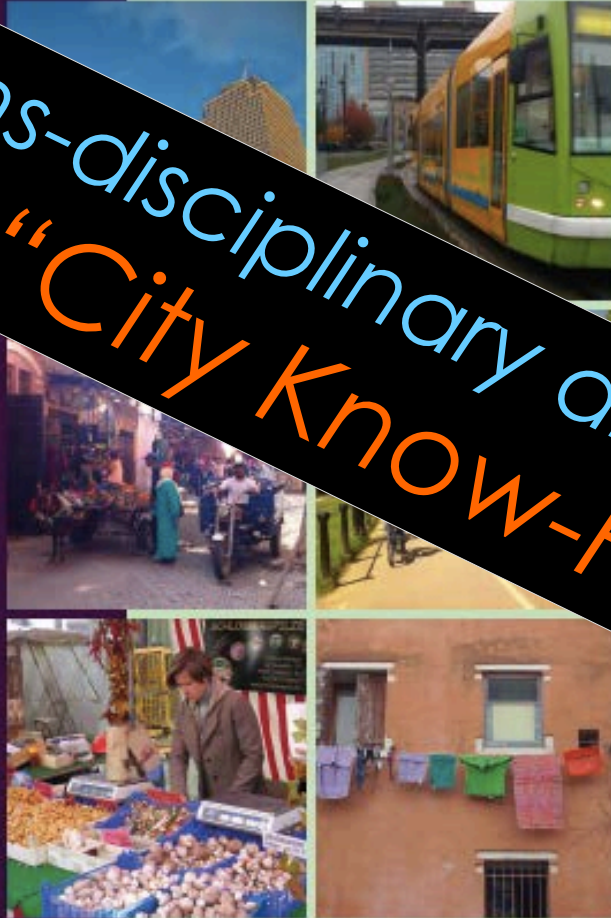
Cities HEALTH

Cities HEALTH

Trans-disciplinary dialogues for
"City Know-How"

Bridging the
'Know-How'
gap

- Article one which is about something
- Article two which is about something
- Article three which is about something
- Article four which is about something



**Bristol Health
Partners**



Thank you

Marcus Grant

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