

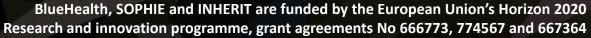




Project overviews World Water Week, Stockholm 28th August 2018

Dr Jo Garrett

European Centre for Environment and Human Health University of Exeter





Background



Environment and health

- Previous work has shown links between natural environments and positive health and wellbeing outcomes
- But has tended to focus on green spaces
- Much less is known about the effects of blue spaces on health
- Unique contribution to health and wellbeing



Background



Environment and health

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Overall aim



Urban blue infrastructure



Human health and wellbeing





Overall aim



Urban blue





Overall aim





Urban blue



Research agenda



- Protect the ocean
- Harness health benefits
- Reduce its risks



Overall aim







Urban blue

Health and wellbeing

Research agenda



- Protect the ocean
- Harness health benefits
- Reduce its risks

Policies and interventions



Improved health, health equity and sustainability















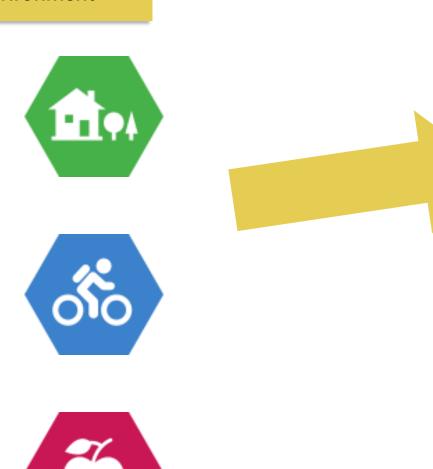






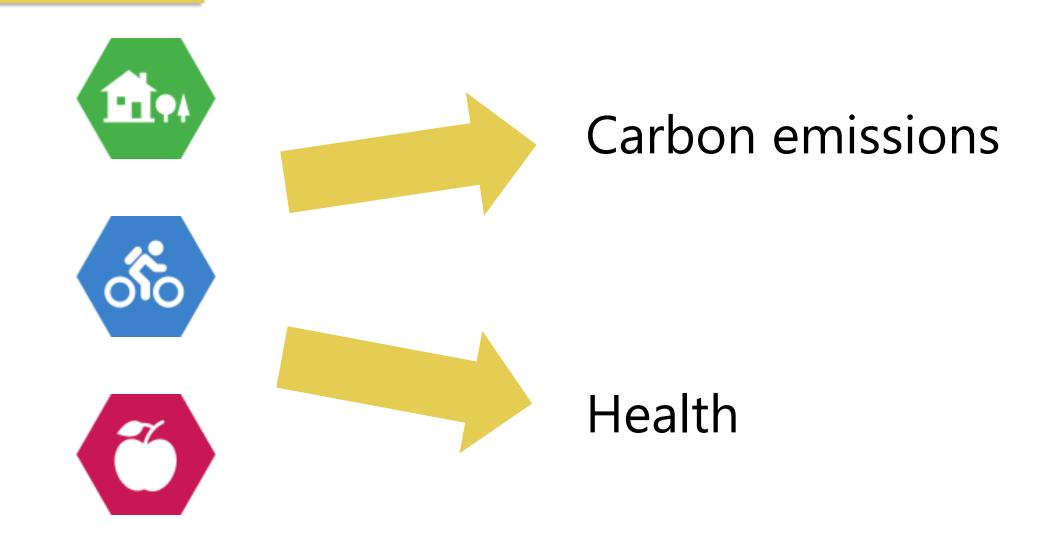


Health and the Environment

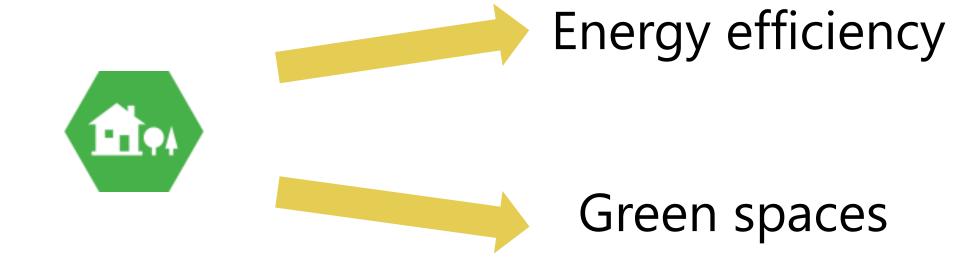


Carbon emissions









Partners



BlueHealth





















Partners



SOPHIE

















Partners



INHERIT









REVOLVE































Evidence synthesis



Evidence synthesis



Reviews:

- Regeneration projects
- Bluespace and health
- Virtual reality

International Journal of Hygiene and Environmental Health 220 (2017) 1207-1221



Contents lists available at ScienceDirect

International Journal of Hygiene and Environmental Health

journal homepage: www.elsevier.com/locate/ijheh

Review

Outdoor blue spaces, human health and well-being: A systematic review of quantitative studies

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Universitat Pompeu Fabra (UPF), Barcelona, Spain.

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d European Centre for Environment & Human Health, University of Exeter Medical School, Truro, UK



Evidence synthesis



Reviews:

- Regeneration projects
- Bluespace and health
- Virtual reality



Reviews:

- Marine and health policy
- Marine and health data
- Innovative solutions



Evidence synthesis



Reviews:

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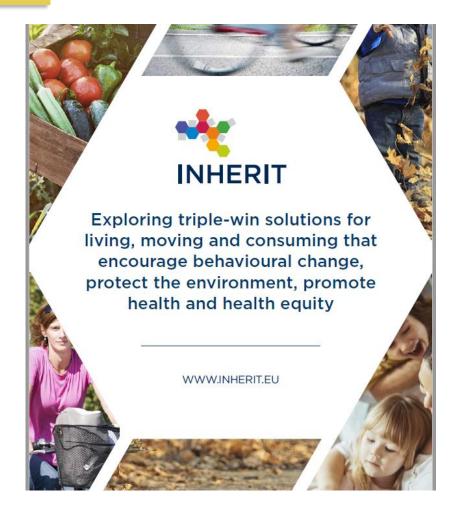


Baseline review and analysis

Promising practices



Evidence synthesis



https://inherit.eu/baseline-report/



Baseline review and analysis

- Key environmental stressors
- Their impact on health



Survey research

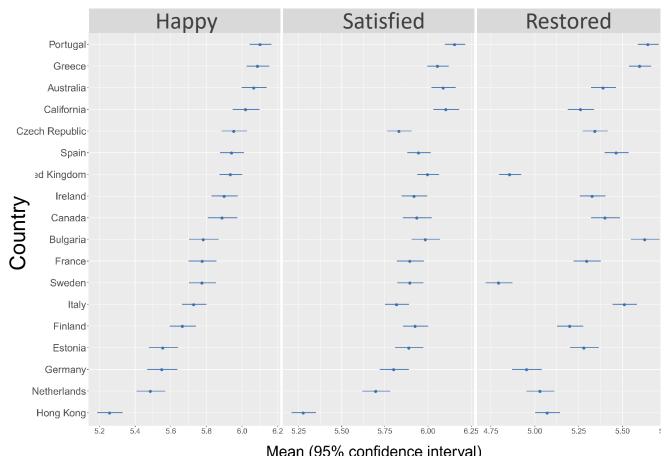


Survey research



International survey

- 18 countries
- Use of blue spaces



Mean (95% confidence interval)



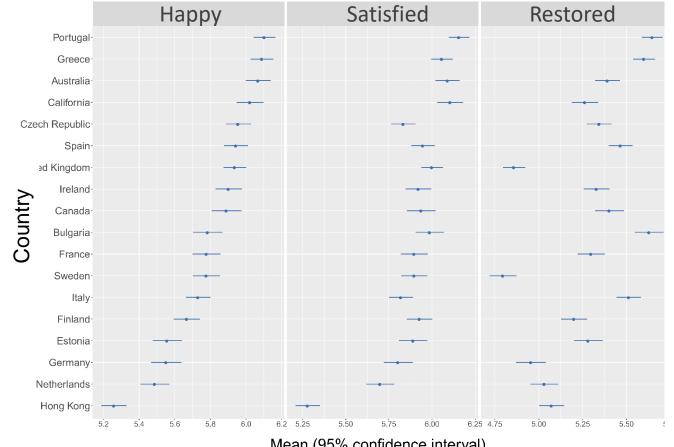
Survey research



International survey

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Mean (95% confidence interval)



Survey research





International survey

• 18 countries

Use of blue spaces



Europe-wide survey

- 10 countries
- Public perception
 Marine activities







Survey research







International survey

• 18 countries

Use of blue spaces



Europe-wide survey

- 10 countries
- Public perception
 Marine activities



Household survey

- 5 EU countries
- Attitudes towards change



Experimental/field work



Experimental/field work



Landscape interventions





Experimental/field work



Landscape interventions

VR lab experiments





Experimental/field work



Landscape interventions

VR lab experiments



Tourism + Citizen science







Experimental/field work



Seas, Oceans & Public Health in Europe

Linking oceans and health research



Landscape interventions

VR lab experiments

Tourism + Citizen science

Marine monitoring Implementing and assessing impact of 12 pilot projects



Experimental/field work





Implementing and assessing impact of 12 pilot projects



Engagement



Engagement



Innovation workshops

Public engagement group





Engagement



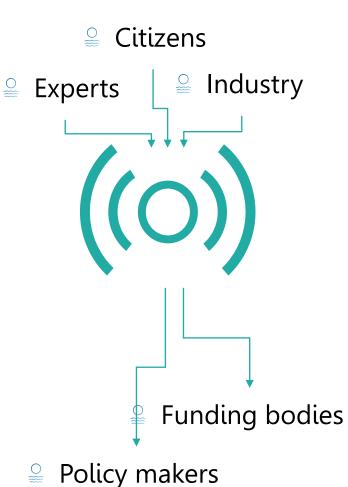
Innovation workshops

Public engagement group



Stakeholder discussions and collaborations

Expert group





Engagement





Linking oceans and health research



Public engagement group

Stakeholder discussions and collaborations

Expert group



Workshops and events

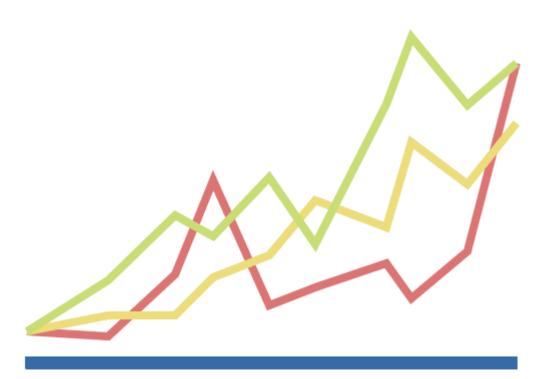
'back casting workshop'

Future scenarios



Building in resilience

- Changing climate
 - Heatwaves
 - Water quality
- Changing cities
 - Urban heat islands
 - More people living in urban areas
- Changing aspirations





Tools and outputs



Tools and outputs

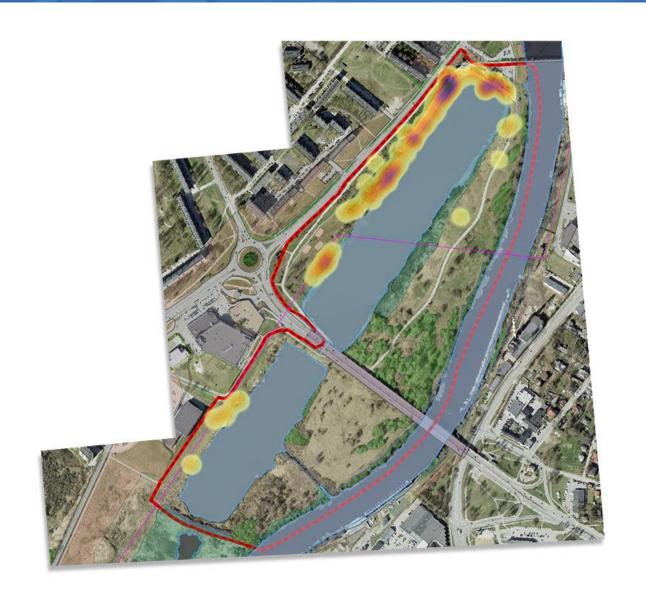


Environmental Assessment Tool (BEAT)

Behavioural Assessment Tool (BBAT)

Community Level Survey (BCLS)

Decision Support Tool





Tools and outputs



Evidence-based tools

Guidelines



Tools and outputs

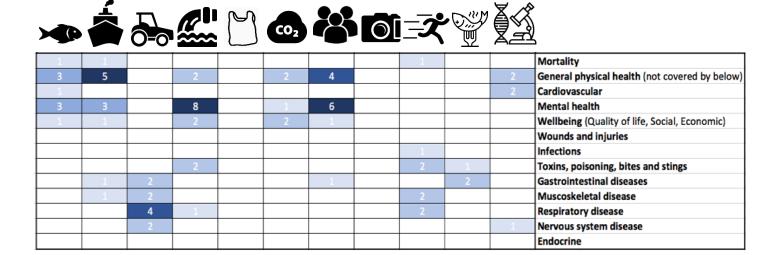


Evidence-based tools

Guidelines



Systematic map





Tools and outputs



Evidence-based tools

Guidelines



Seas, Oceans & Public Health in Europe

Linking oceans and health research

Systematic map

Strategic research agenda

Network of stakeholders







Tools and outputs



Evidence-based tools

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Systematic map

Strategic research agenda

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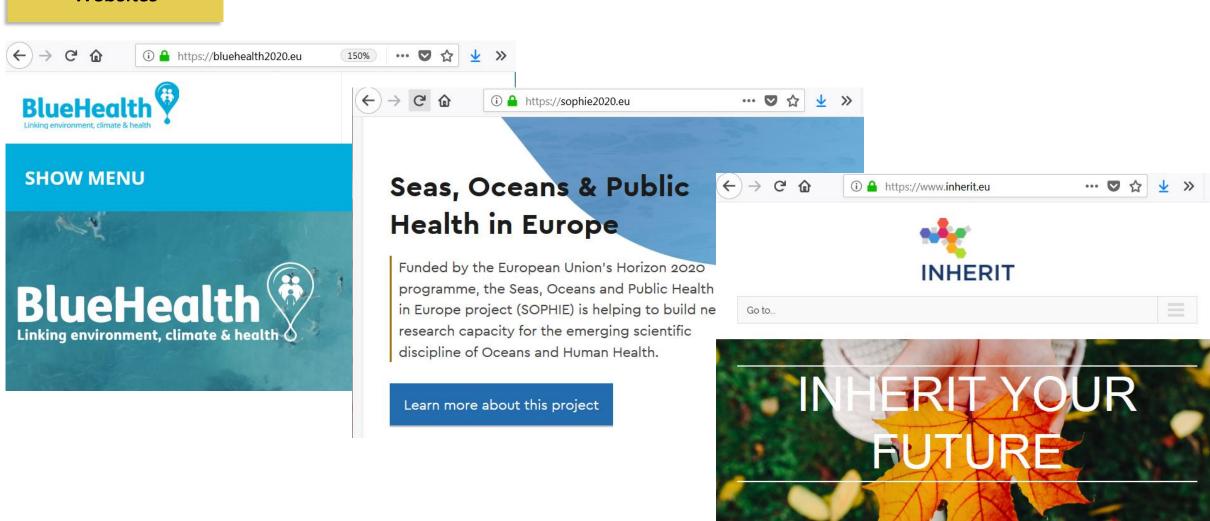
Common analytical framework

Policy kit

Find out more...



Websites



Find out more...



Twitter



@inheritEU

Legacy



Beyond 2020

• Shared vision of improved health, wellbeing and the

environment

- Evidence
- Policy guidance
- Planning tools







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BlueHealth, SOPHIE and INHERIT are funded by the European Union's Horizon 2020 Research and innovation programme, grant agreements No 666773, 774567 and 667364

