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*Science and Technology in Childhood Obesity
Policy (STOP)*

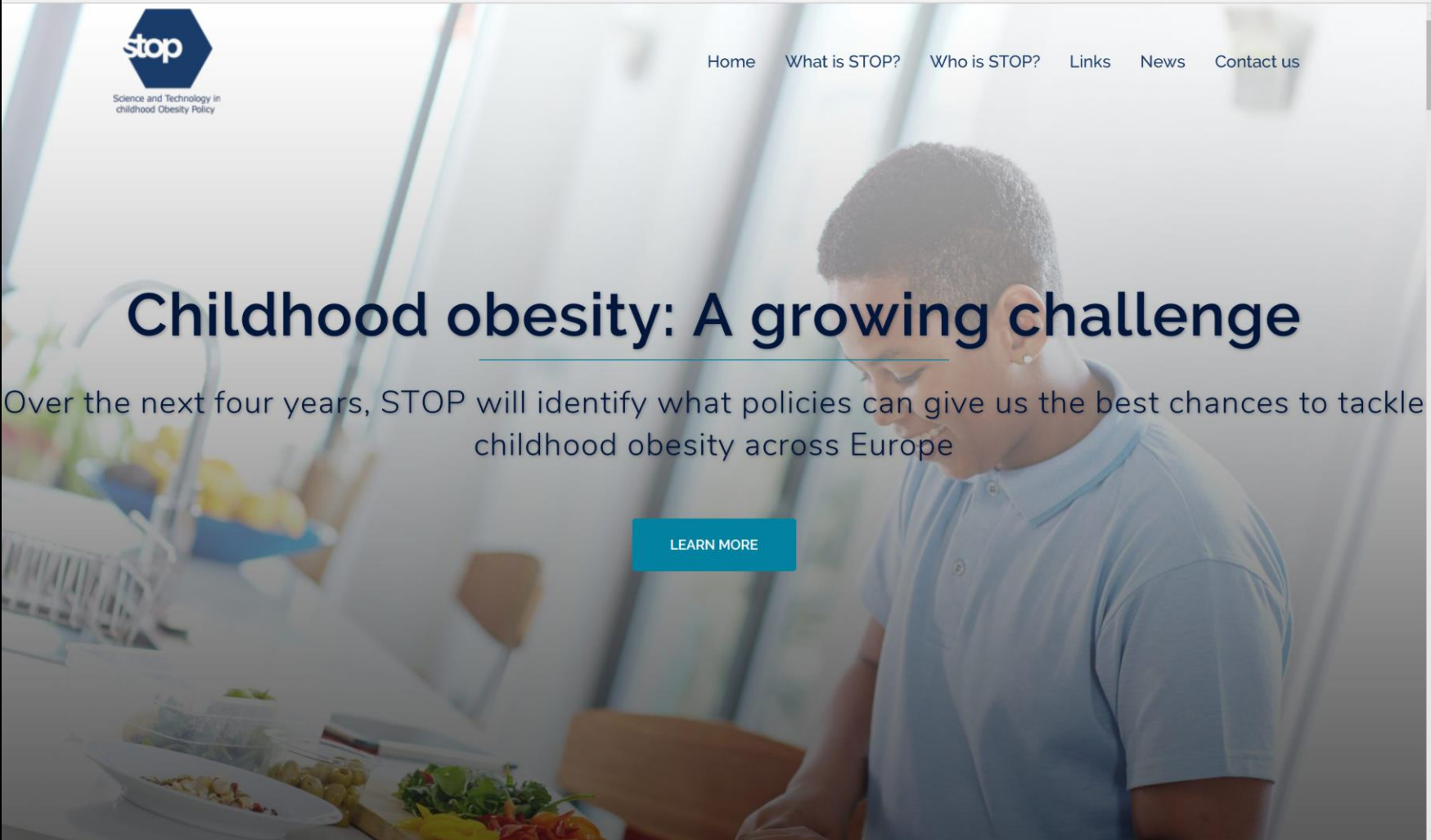




Childhood obesity: A growing challenge

Over the next four years, STOP will identify what policies can give us the best chances to tackle childhood obesity across Europe

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Imperial College
London



KAROLINSKA INSTITUTET
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DGS
Direção Geral da Saúde

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Centro de Investigación Biomédica en Red



NATIONAL INSTITUTE
FOR HEALTH AND WELFARE
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University of Ljubljana
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HEC
PARIS

AgroParisTech

INRA
SCIENCE & IMPACT

National Public Health Agencies

Academic and Research Organisations



Tervise Arengu Instituut
National Institute for Health Development



NIJZ
Nacionalni inštitut
za javno zdravje

ISGlobal
Barcelona
Institute for
Global Health

UHASSELT



WORLD
OBESITY

epi
european
public health
alliance

Civil Society Organisations



ISPUP
INSTITUTO DE SAÚDE PÚBLICA
DA UNIVERSIDADE DO PORTO

Innovation for sustainability
ISINNOVA

EAT

eit Health

eit Food

World Health
Organization

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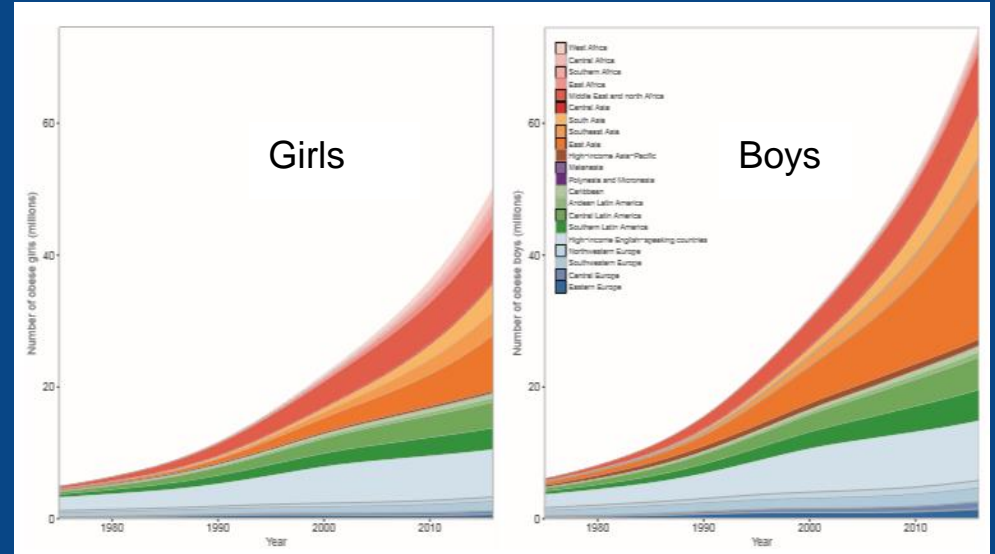
HARVARD
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SCHOOL OF PUBLIC HEALTH

Obese Children Worldwide, age 5-19

— 1975-2016

The childhood obesity epidemic has first developed in the United States and is now spreading rapidly at the global level



Source: NCDRisC Collaboration, The Lancet, 2017.

stop

Main Gaps in Knowledge on Childhood Obesity

- Measuring childhood obesity
- Understanding determinants and causal pathways
- Assessing policy impacts
- Working in a multi-actor framework



Measuring Childhood Obesity

DATA POOLING AND STATISTICAL
MODELLING

GAPS:

- Mix of measures based on different approaches
- Incomplete coverage, knowledge of variations
- Measuring diet and physical activity

SURVEYS

BIG DATA

BIOMARKERS



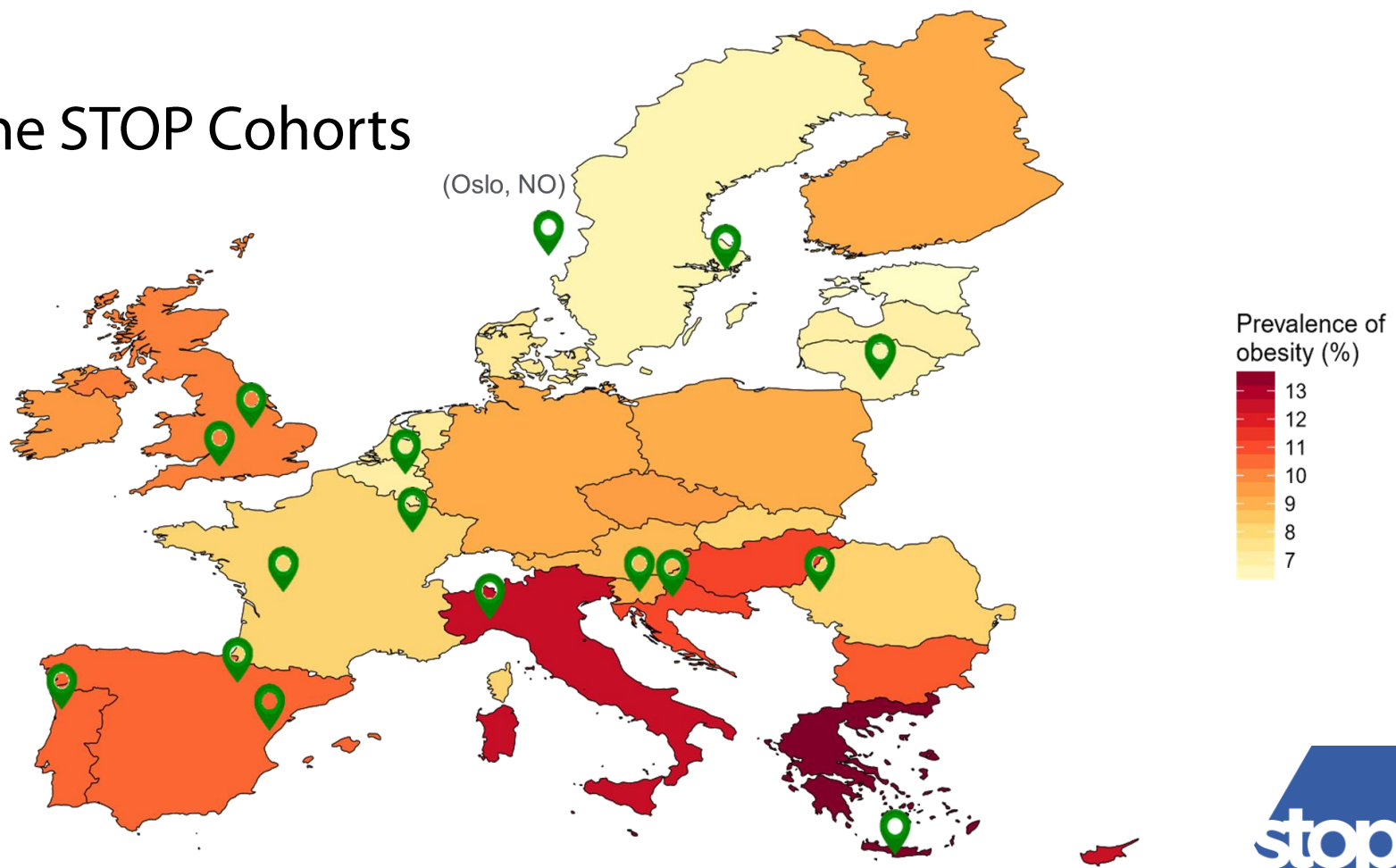
Understanding Determinants and Causal Pathways

LEVERAGING CUTTING EDGE SCIENCE

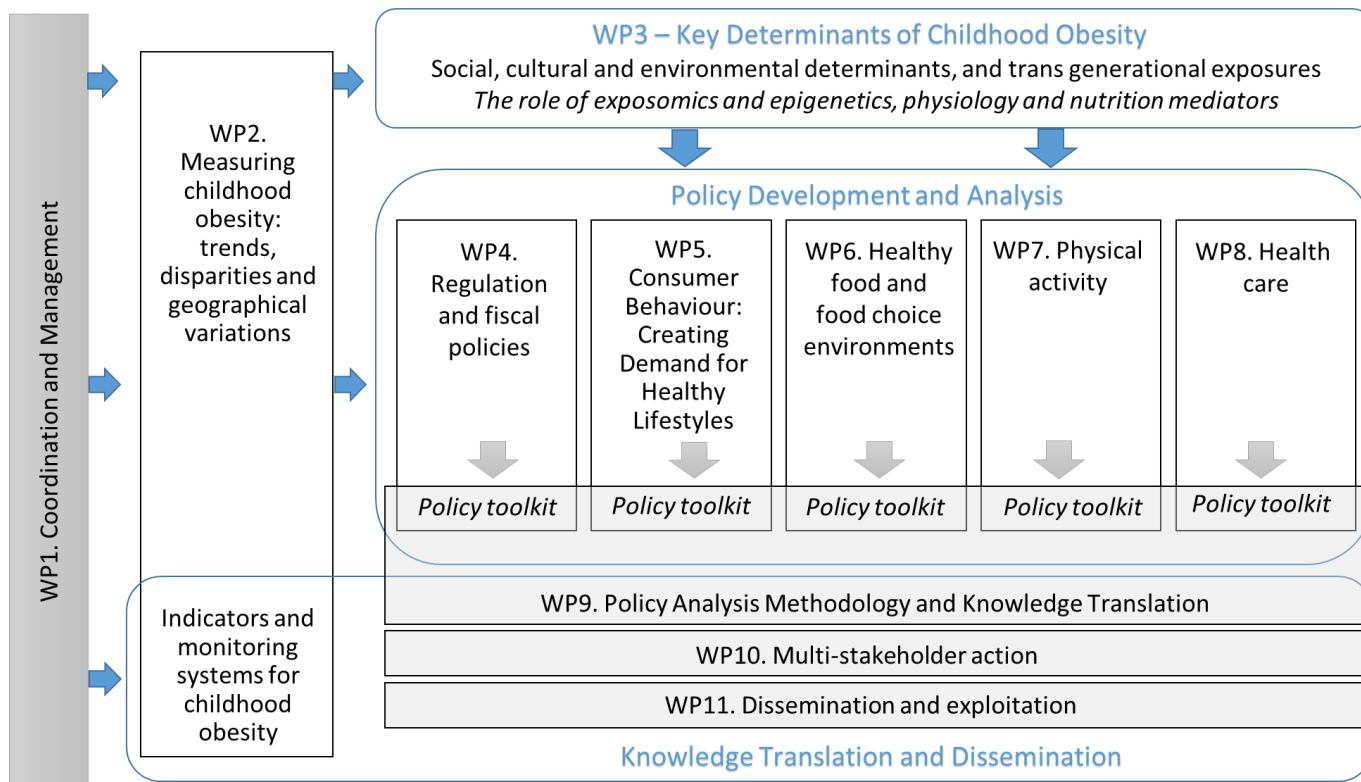
Starting from the family and the living environment (the school environment, the play environment, the built environment, the digital environment), and leveraging new biomarkers to understand influences on children's bodies,



The STOP Cohorts



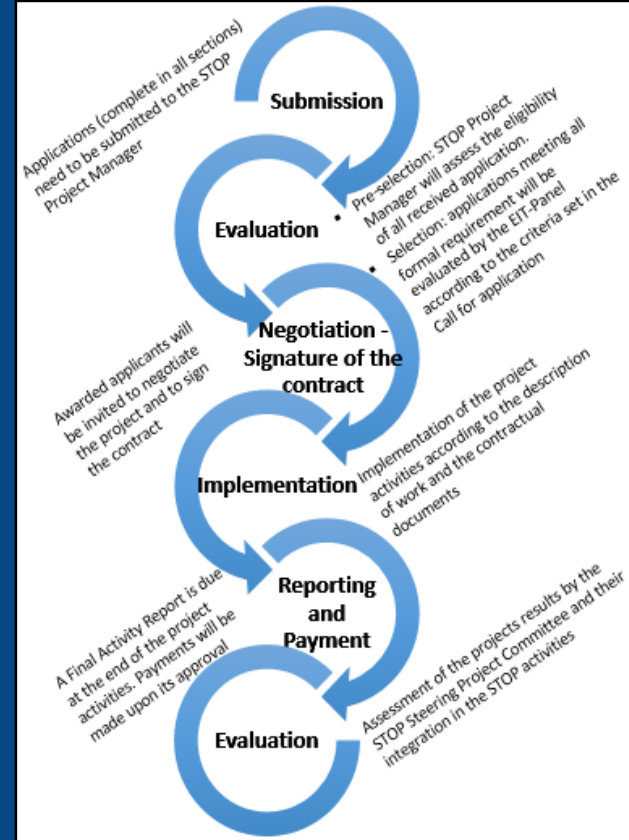
The STOP Project Structure



STOP Industry-led Innovation Projects

VIABLE MARKET SOLUTIONS TO TACKLE OBESITY

- € 600k to fund up to 4 pilot projects for 2 years
- Translate innovative concepts into viable technology solutions to tackle childhood obesity
- Areas include:
 - New “food concepts”
 - Innovations in food retail
 - Digital solutions for healthier choices
- Call out April 2019
- Projects to start September 2019



Assessing Policy Impacts

NEW EVIDENCE AND POLICY
SIMULATIONS



GAPS:

- Growing evidence base, but limited outcome measures
- Sustainability of behaviour change and health improvement
- Understanding of long-term impacts

SIMULATION
SYSTEMATIC
REVIEWS
ECONOMETRICS





THANK YOU