



Equity Implications of Including Environmental Impacts of Health **Technologies in Economic Evaluations Informing Pricing and Reimbursement Decisions**



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INTRODUCTION

- Broadening the dimensions of value in healthcare by incorporating further value elements in established cost-effectiveness analysis (CEA) is a topic of discussion.
- An important factor to consider are environmental costs, namely the impacts on the environment resulting from a health products' development, production, distribution, use, and disposal. However, including this dimension in CEAs would have equity implications and distributional consequences.
- The objective of this work is to explore the perception of multiple stakeholders on the inclusion of environmental impacts of health technologies in CEAs, and pricing and reimbursement decisions.

METHODS



Semi-structured interviews with multi-stakeholder



Interview template developed and pilottested



Ethic approval obtained



Purposive selection of geographies and perspectives



Interviews recorded and transcribed

RESULTS & CONCLUSIONS

Participants



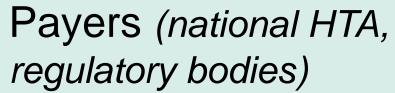
Agreed to be 13 interviewed

Countries represented

- Incorporating environmental impact in decision-making would require a shift from a health system perspective to a societal perspective for most HTA agencies
- Little consensus on measurement and approach to adopt are evident, and a lack of standards for reliable, complete data could increase the risk of misinterpretation of data and errors
- Expertise in other environment-related disciplines is still unavailable among payers but training is being offered at the hospital level, where green procurement may be more feasible in the short term
- Balancing equity implications, cultural and value aspects, and public vs. private perspectives will be important to ensure correct attribution of costs as well as any rewards (e.g., price premiums for greener solutions).
- Equity implications include a strong intergenerational component as well as a disproportional impact on lower income vs. higher income countries • Aligns with an evidence-based approach of health care in considering costs and outcomes related to health technologies and health interventions • Uncertainty whether HTA is the right place to start since costs for all types of environmental impacts are not necessarily known • Procurement, using rewards and/or penalties, may be a more direct route to reducing environmental impact and encouraging more ecologically responsible decisions on what to allow or finance
- Belgium
- France
- Ireland
- Netherlands
- Portugal
- Spain
- United Kingdom

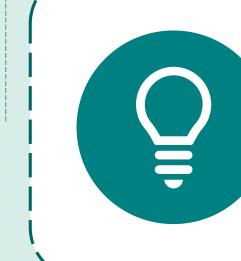
Perspectives











- Environmental impact has become important at the corporate level (e.g., internal policies, dedicated teams), but it has not so far been addressed directly in HTA and market access
- Accounting for environmental impact is not seen as a direct threat to innovation since R&D is based more on clinical needs and each company's specialty areas
- Correct attribution of environmental costs to industry is a primary concern
- Incorporation of environmental impact into pricing is seen as highly problematic (e.g., lack of margins for certain drugs, possible threat to patient access, regulatory hurdles, conflicting policies)

Jan 2023 – Dec 2025

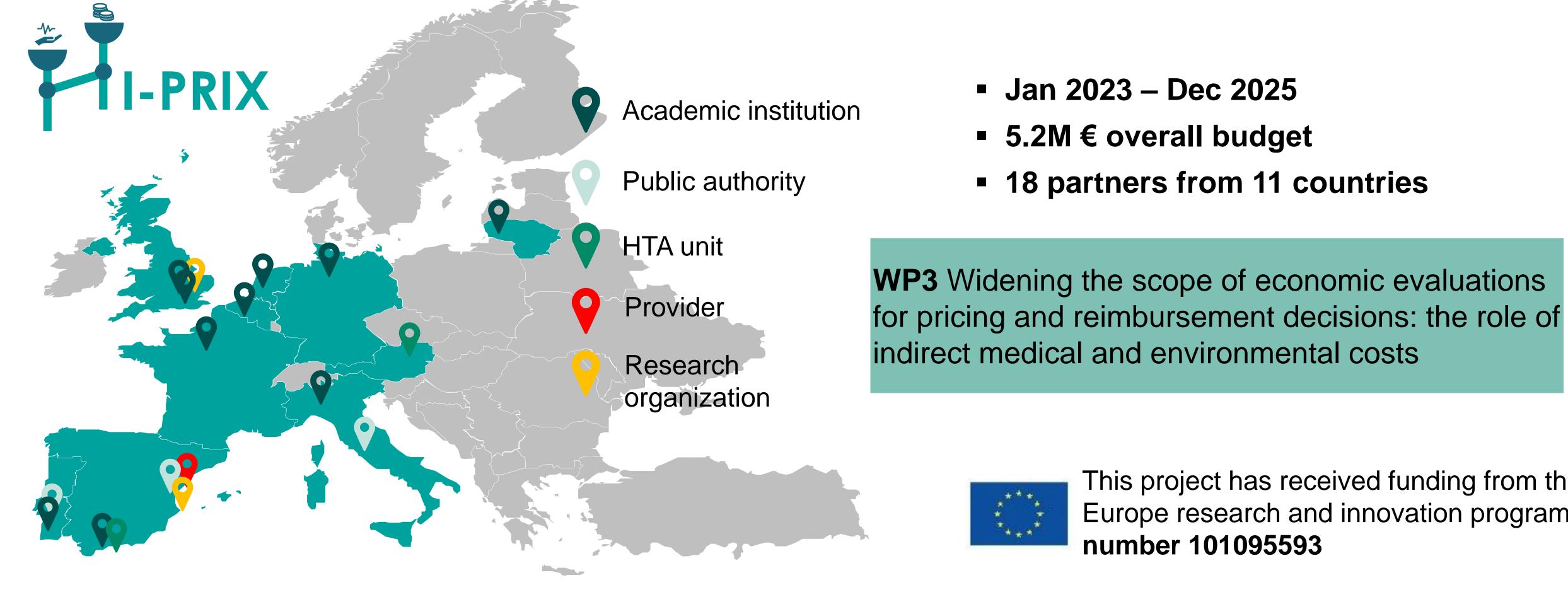
■ 5.2M € overall budget

18 partners from 11 countries

In principle, the environmental impact of health technologies can be used to widen the evidence base for pricing and reimbursement decisions. However, while "environment" has become a mantra of the modern era, with a variety of stakeholders demanding concrete actions to protect the environment, for the time being, procurement may be a more direct route to encouraging more ecologically responsible decisions on what to allow or finance (using rewards and/or penalties).

HEALTH INNOVATION NEXT GENERATION PAYMENT & PRICING MODELS (HI-PRIX):

Balancing Sustainability of Innovation with Sustainability of Health Care



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement number 101095593

