

Mind the gap: from real-world policies to health impact assessment modelling

A case study of Belgium's planned tobacco sale-point reduction policy

Sarah Croes

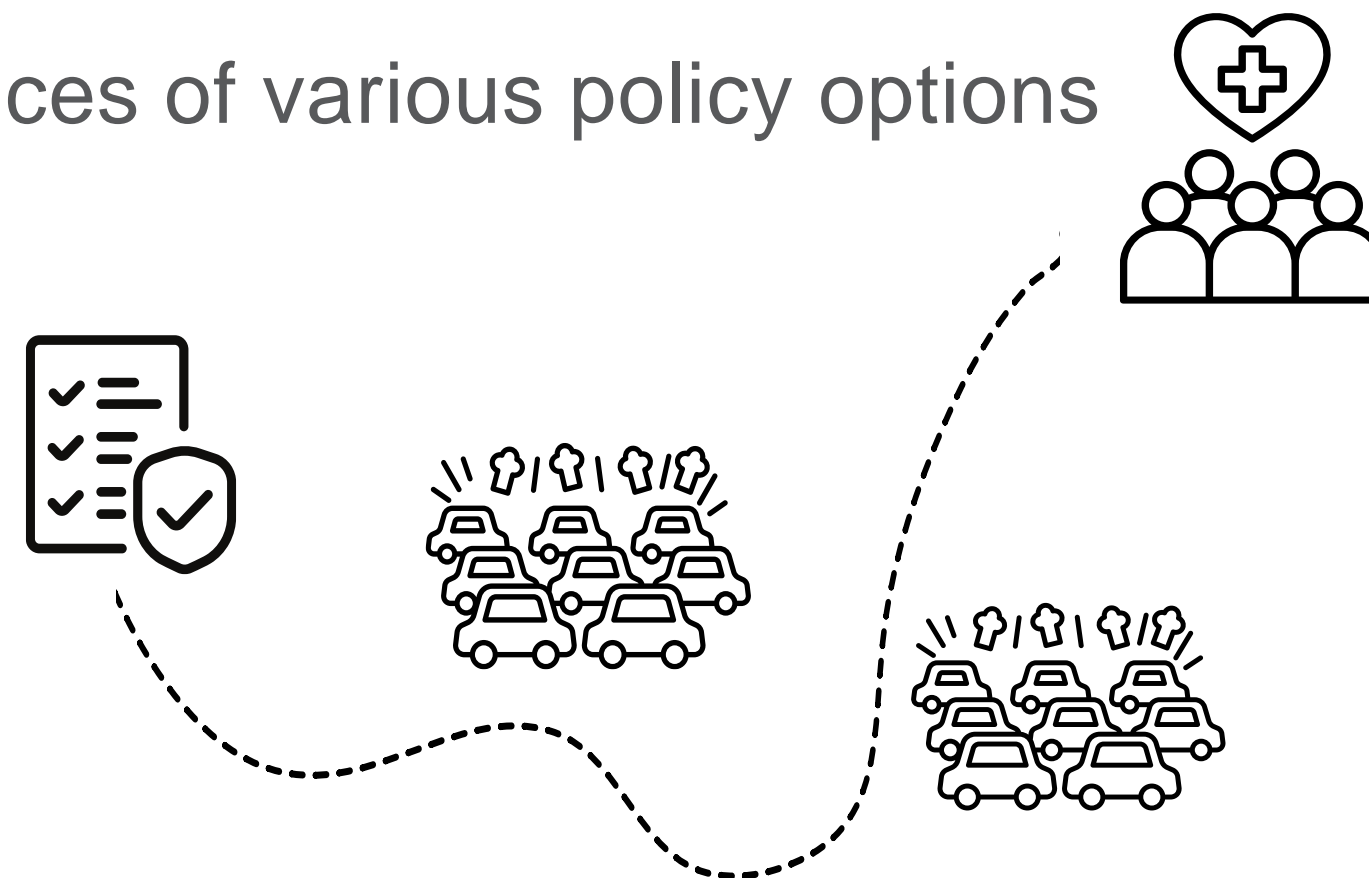
Vanessa Gorasso

Brecht Devleesschauwer



HIA for policy making

- Health Impact Assessment
- Objective :
 - ~ GPS for public health policy-making
 - Supporting evidence-based decision-making
 - Predicting consequences of various policy options



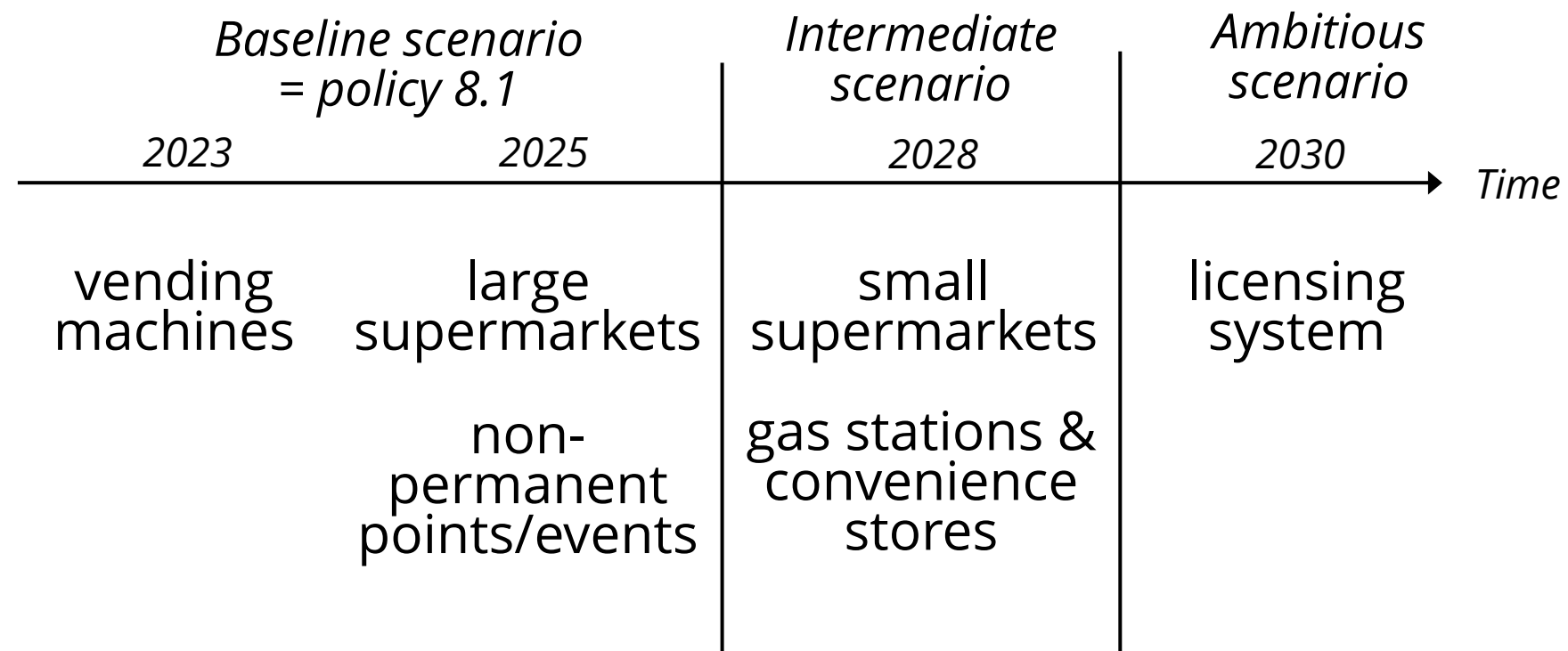
HIA for policy making

- Steps in HIA :
 - Screening
 - Scoping
 - Effect analysis
 - estimation change in health outcomes
 - policy analysis
 - description baseline situation
 - estimation change in exposure
 - interpretation, reporting and recommendations
 - Reporting
 - Monitoring and evaluation

Belgian case study - context



- Interfederal Strategy for Tobacco-Free Generation
 - ‘tobacco’ plan
 - reduce smoking by limiting access tobacco
 - reduce tobacco selling points
- Policy scenarios to changed smoking exposure




 federale overheidsdienst
VOLKSGEZONDHEID, VEILIGHEID VAN DE VOEDSELKETEN EN LEEFMILIEU

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ONTWERP VAN INTERFEDERALE STRATEGIE 2022-2028 VOOR EEN ROOKVRIJE GENERATIE

Informatie

Ontwerp van interfederaal strategie 2022-2028 voor een "rookvrije generatie"


 service public fédéral
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Information

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Policy - Literature GAP



Policy

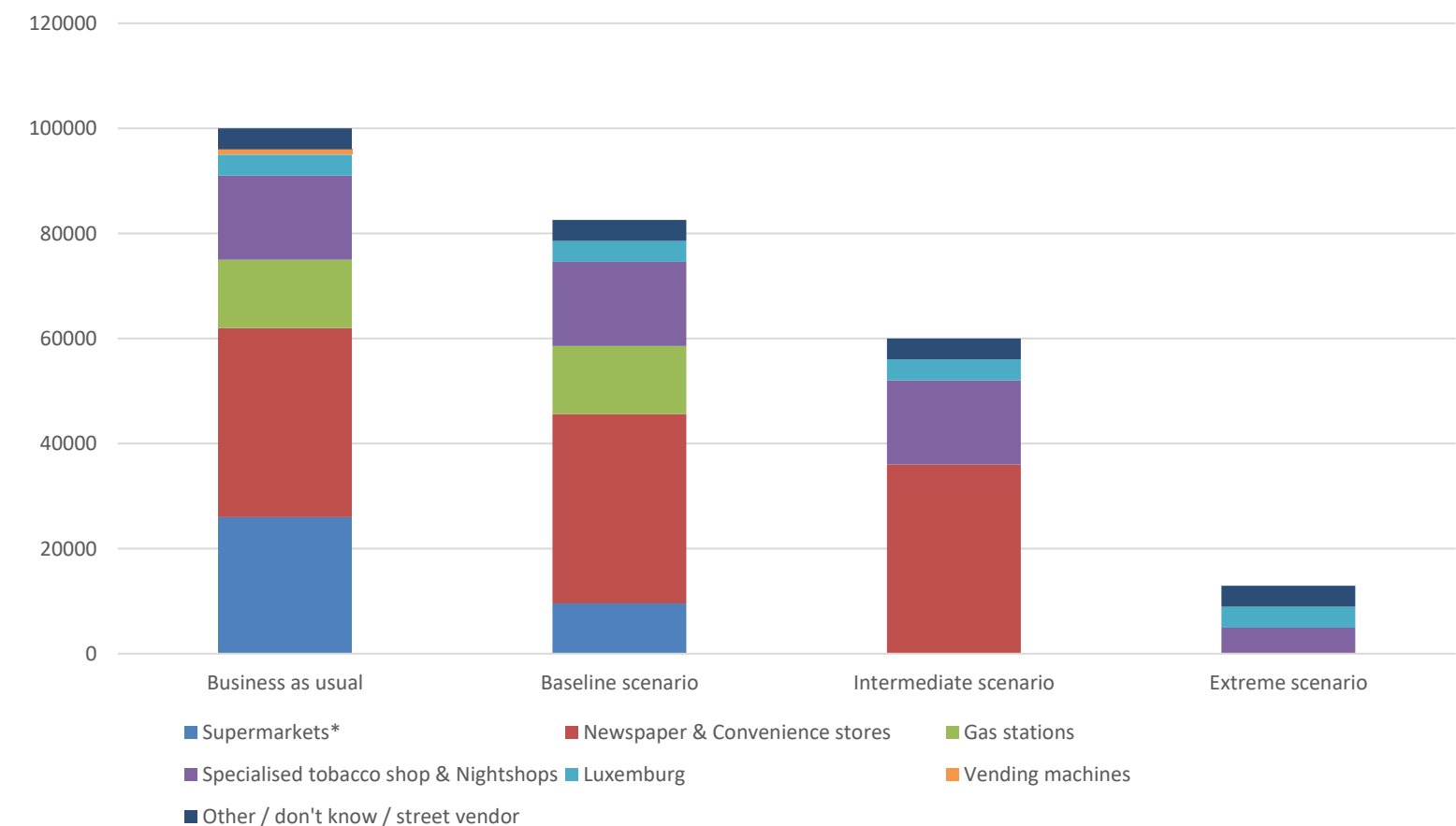
- Closing selection of sale channels
- Different timelines
- Impact on prevalence

Data / Literature

- % reduction of tobacco shop density or tobacco shop proximity to homes / schools

- need to translate sale channel into density
- where people buy their cigarettes?
- amount shops / sale channel in Belgium?

Volume weighted sales channels, policy scenarios



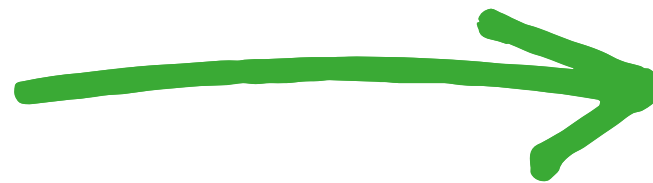
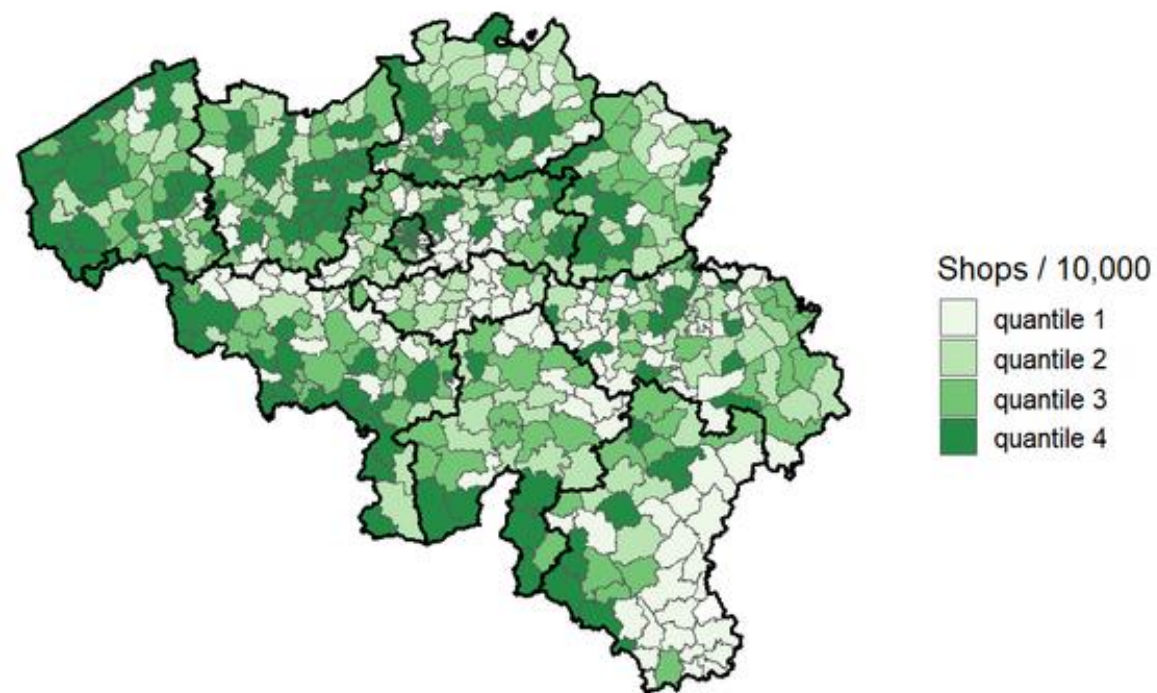
Challenges in translating policy into effect size

- Difference in smoking behavior measurement
 - smoking intensity : cigarettes smoked / day vs smoking prevalence
 - smoking behavior : initiation, cessation or relapse
- Mismatch policy and data
 - data on sale channels
 - purchase data
 - urban vs rural context
- Scope literature review
 - relevant country
 - percentage point change
 - prevalence trend
 - method

Take-away messages

- Need for monitoring system
 - current situation tobacco sale points
 - where will be the biggest change?
 - will policy affect sales? behavior? prevalence?

Distribution of Shops per 10,000 People



Questions?

Contact

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