

URBAN AGE ELECTRIC CITY CONFERENCE

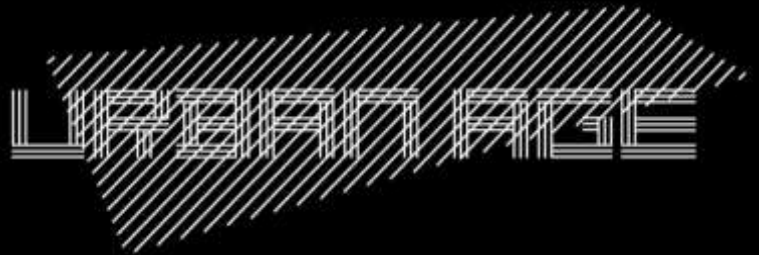
DECEMBER 2012

Philipp Rode

LSE Cities

*Facilitating transformation: a global survey
of city governments*

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FACILITATING GREEN TRANSFORMATION

a global survey of city governments

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Philipp Rode, LSE Cities / Urban Age Programme
London School of Economics and Political Science

LSE**Cities**

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02 Pioneering: attitudes towards socio-technical innovation

03 Collaboration: accelerating the green transition

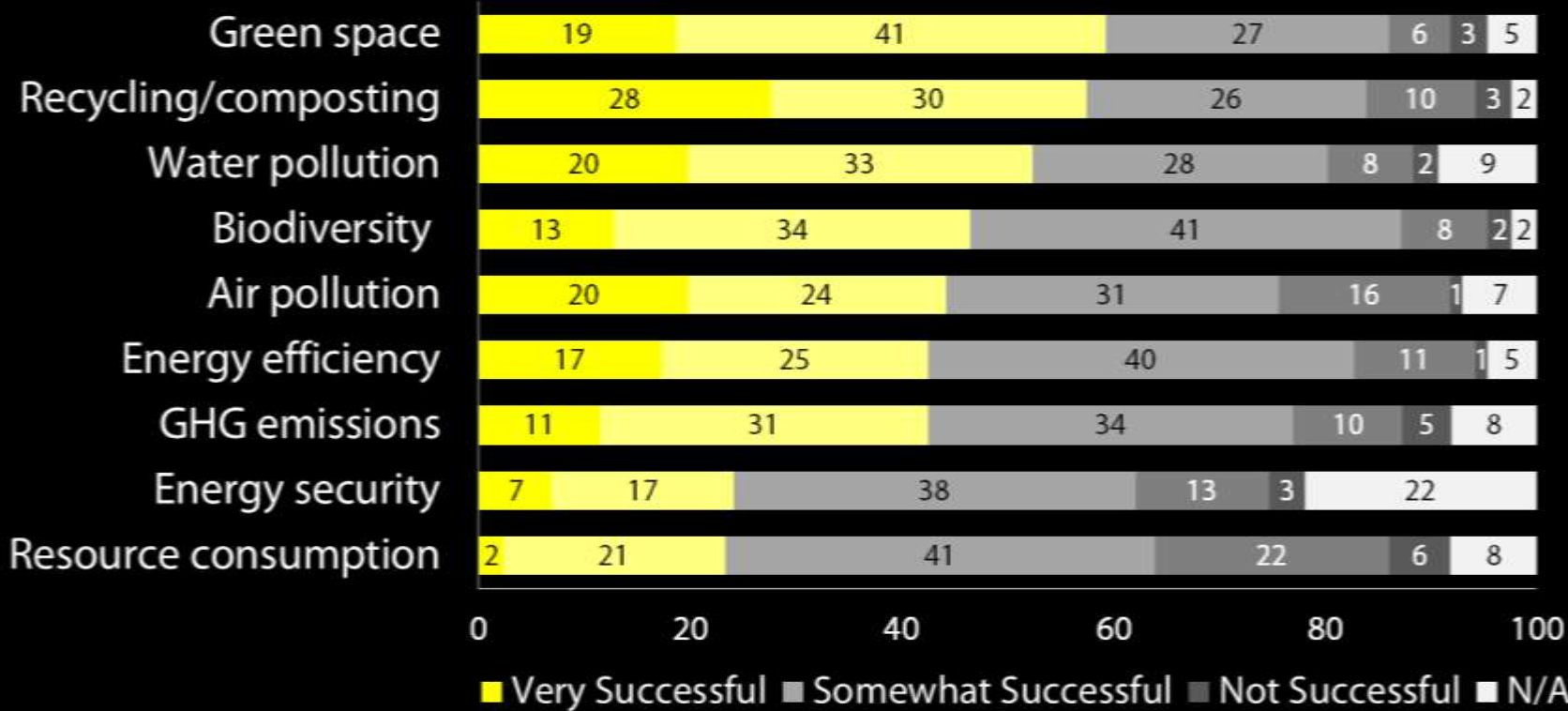
04 Place Making: spatial planning and infrastructure investments

SURVEY AND CASE STUDY CITIES



GREEN PROGRESS

To what extent have the following green policy objectives been achieved in your city?



ONE

POLICY SECTORS

where cities are making a difference

BUILDINGS



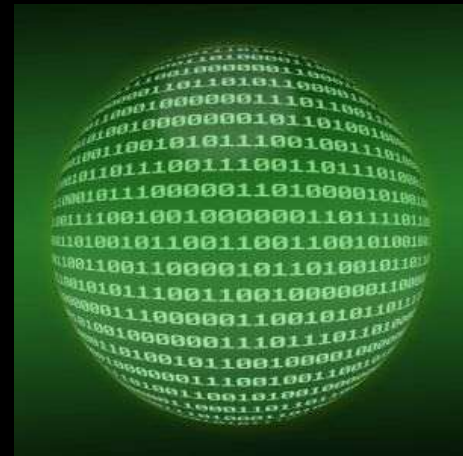
TRANSPORT



ENERGY



GREENING



FOOD

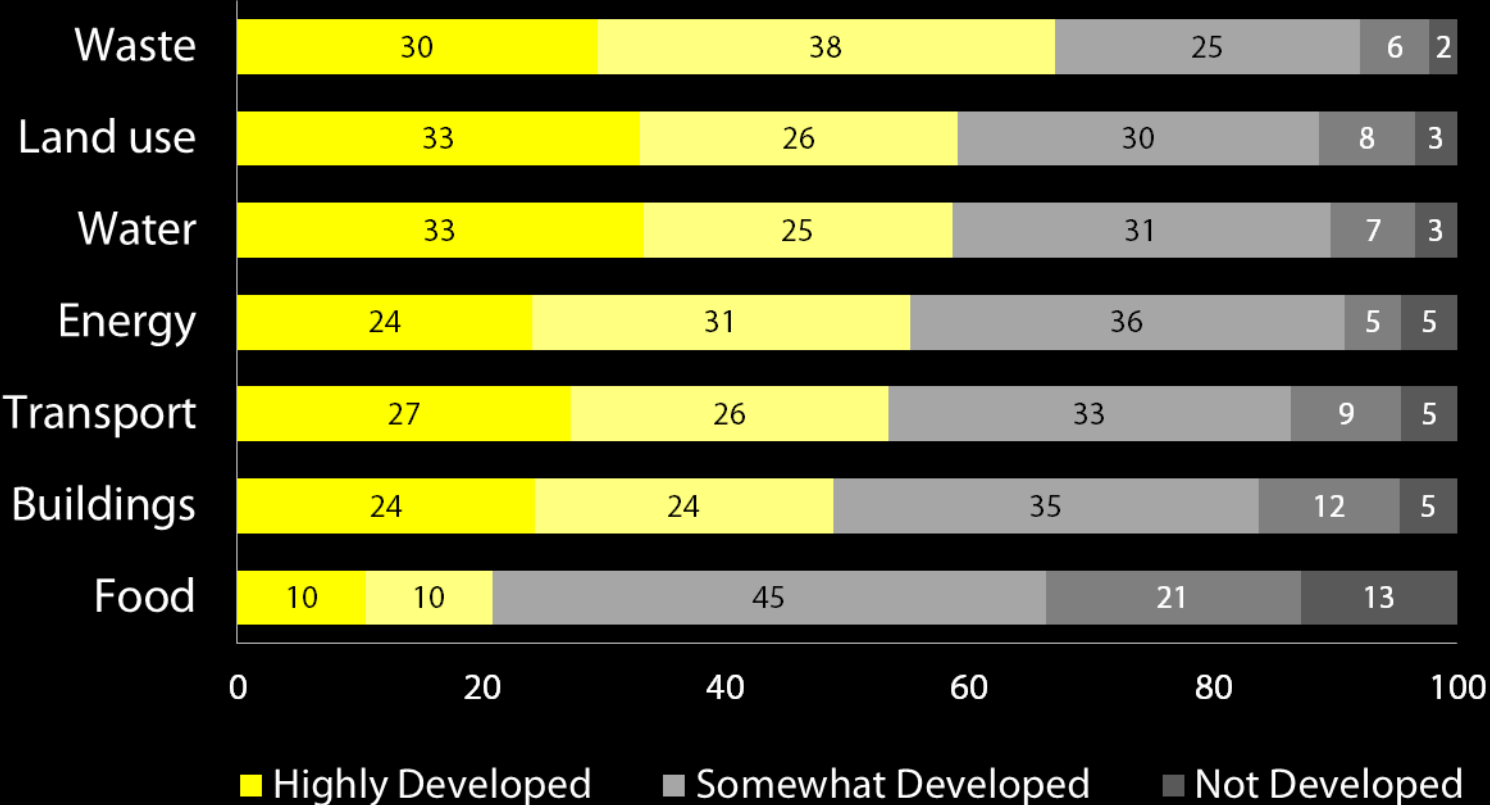
WASTE

WATER

SMART TECHNOLOGY

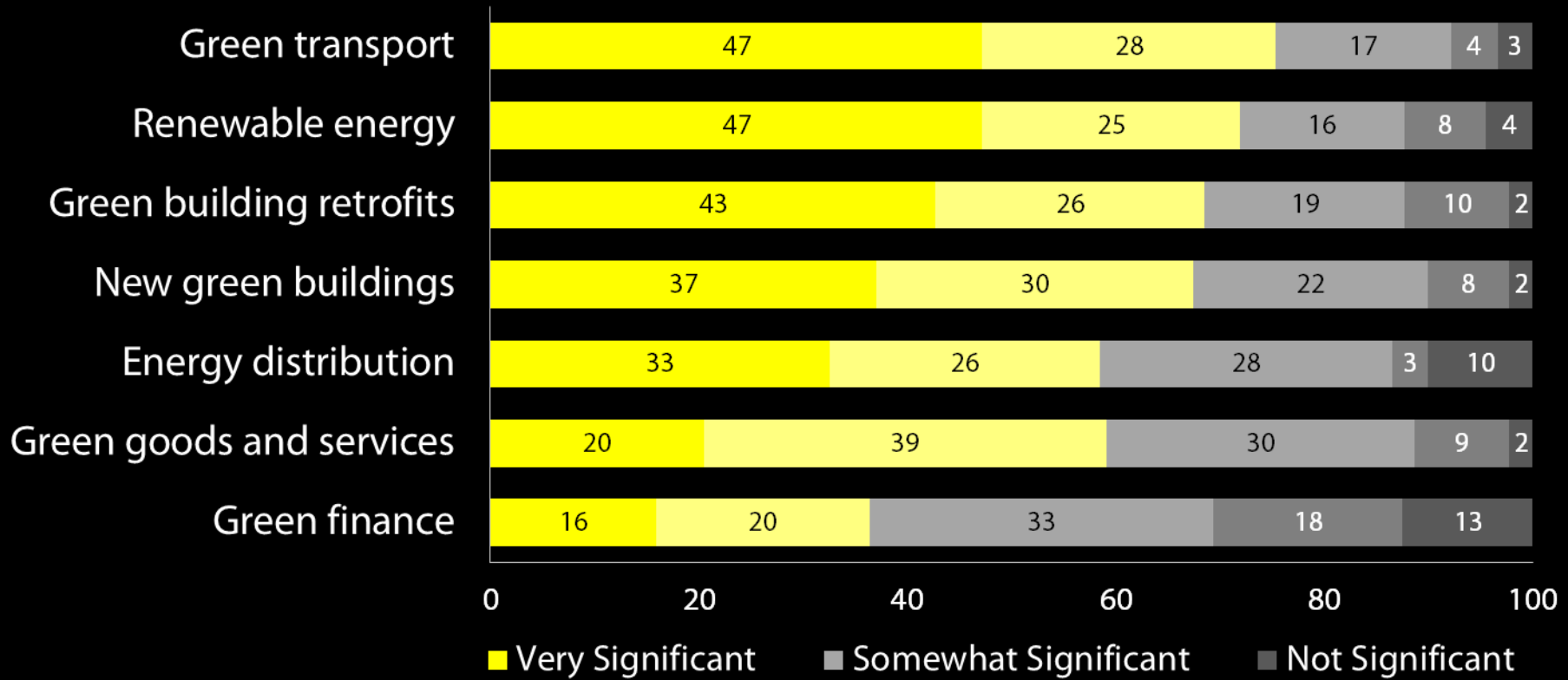
GREEN POLICY DEVELOPMENT

How developed are green policies in your city across the following policy sectors?



GREEN ECONOMY SECTORS

How significant are the following sectors for your city's economic growth?





COPENHAGEN
CYCLING



MEDELLIN
METRO CABLE



PARIS
VELIB



BOGOTA
TRANSMILENIO



LONDON
CONGESTION
CHARGE



HONG KONG
RAIL PROPERTY
POLICY



SAO PAULO
BUSES



BERLIN
E-MOBILITY



ZURICH
TRAMS



DELHI
BRT



NYC CYCLING

LONDON ARRAY OFFSHORE WINDPARK

- world's largest off-shore wind farm with 1,000 MW
- electricity for 750,000 homes
- 1.4m tonnes per year of CO₂ emissions reductions



MUNICH UTILITY COMPANY

- 7,500 employees and €4.9bn annual turnover
- 100% renewable energy target by 2025
- Total of €9 billion investment in renewables



TWO

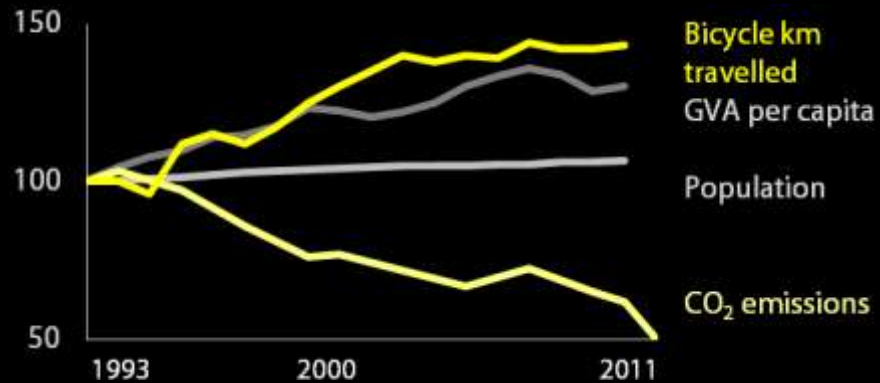
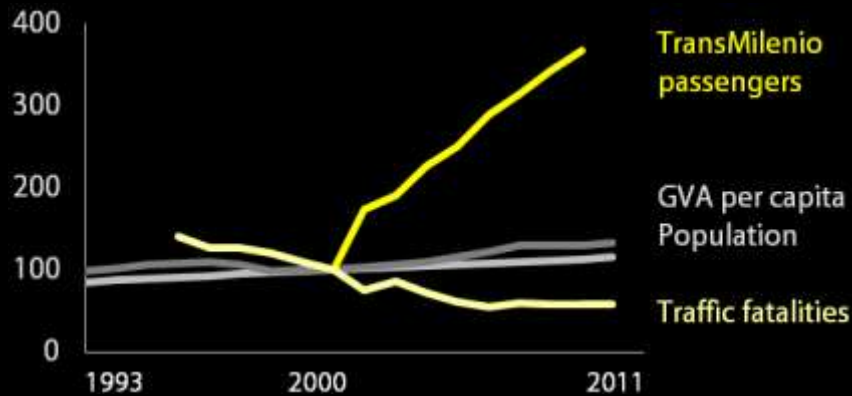
CITIES AS FIRST MOVERS

attitudes towards socio-technical innovation

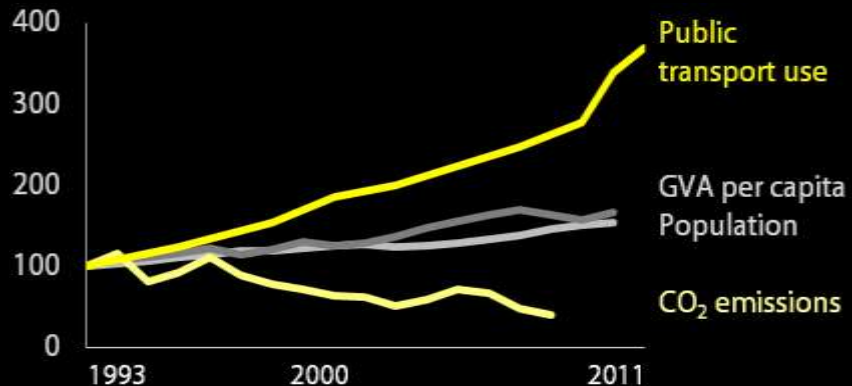
PIONEERING CITIES



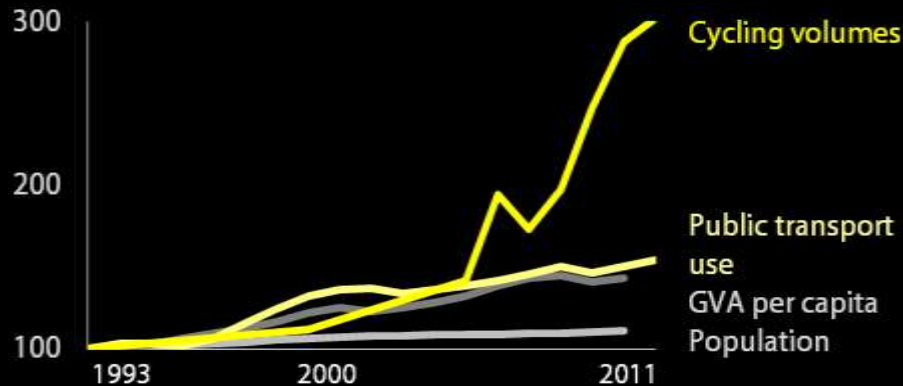
PATTERNS OF CHANGE



BOGOTA



COPENHAGEN

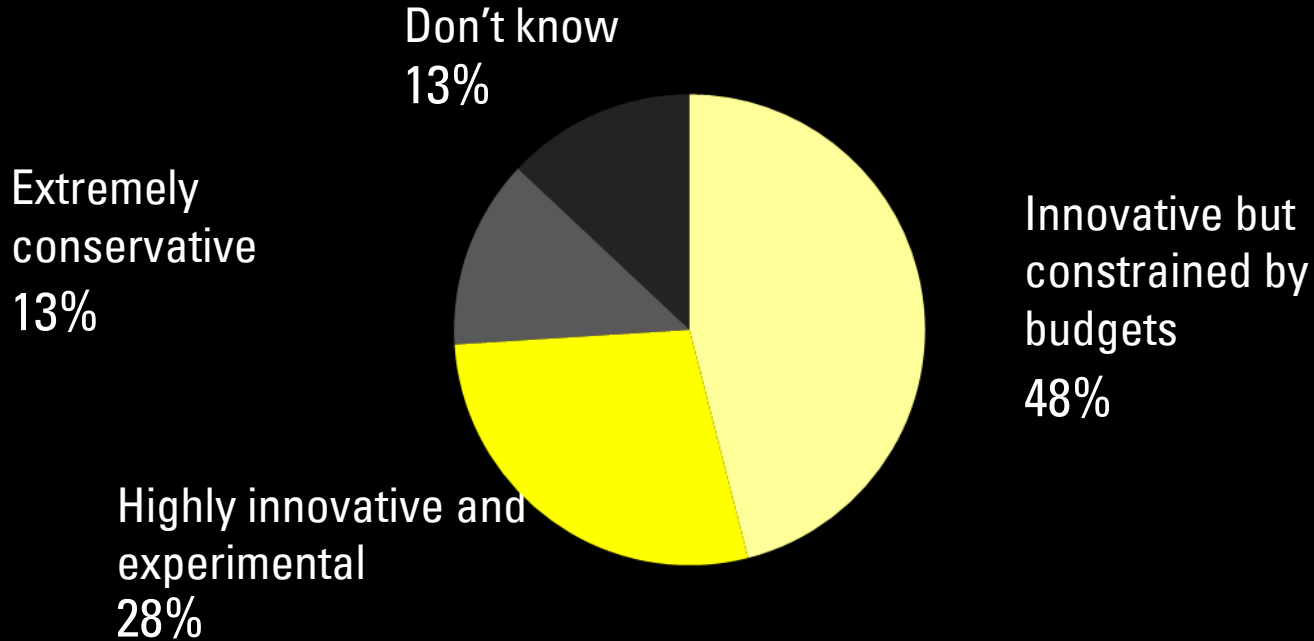


SINGAPORE

NEW YORK

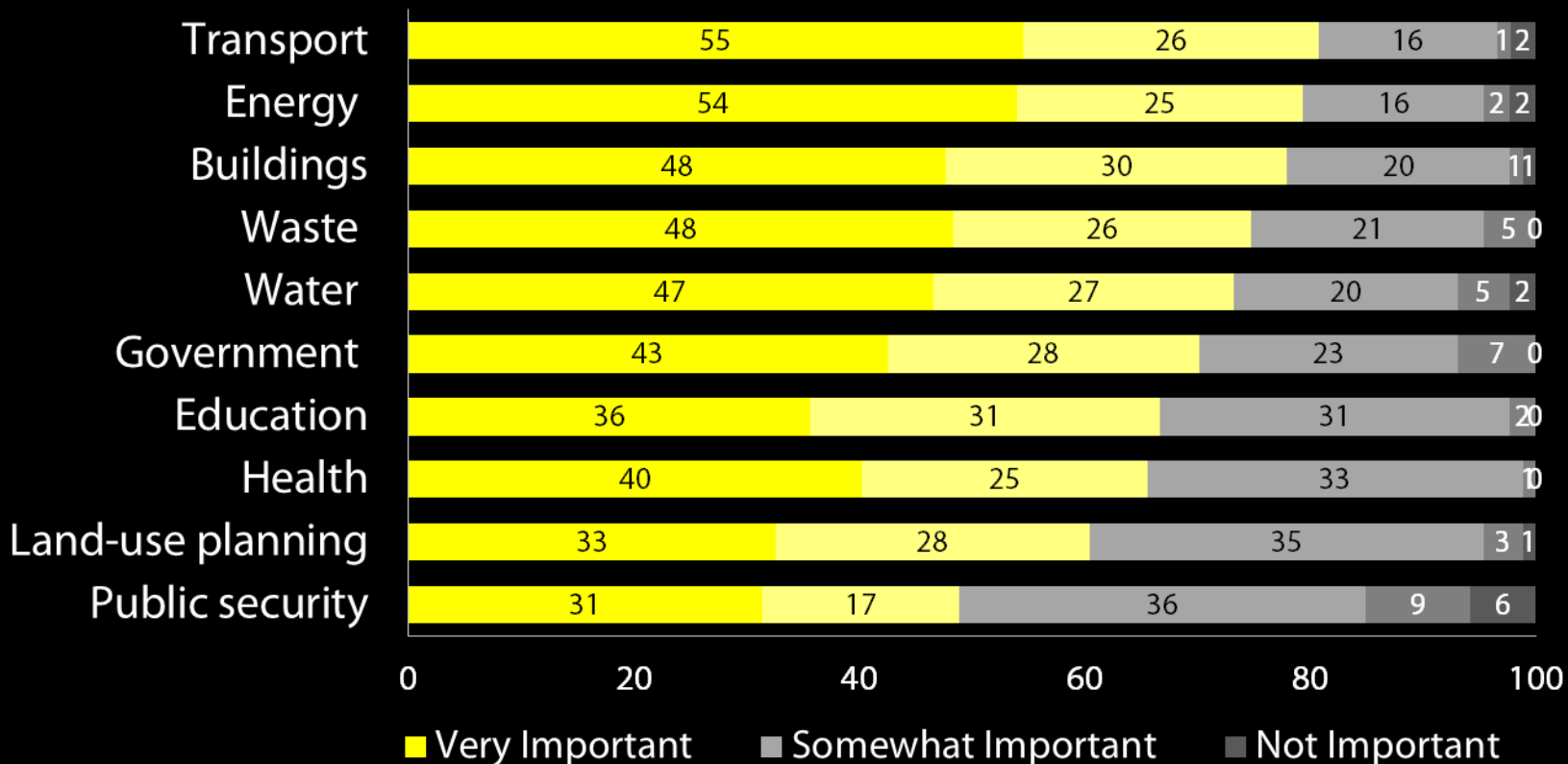
ATTITUDES TOWARDS GREEN INNOVATION AND INVESTMENT

How does your city approach investments in green technology and innovation?



NEW TECHNOLOGY ACROSS SECTORS

How important is the role of new technology in the following sectors of your city?



TRANSPORT



ENERGY



BUILDINGS



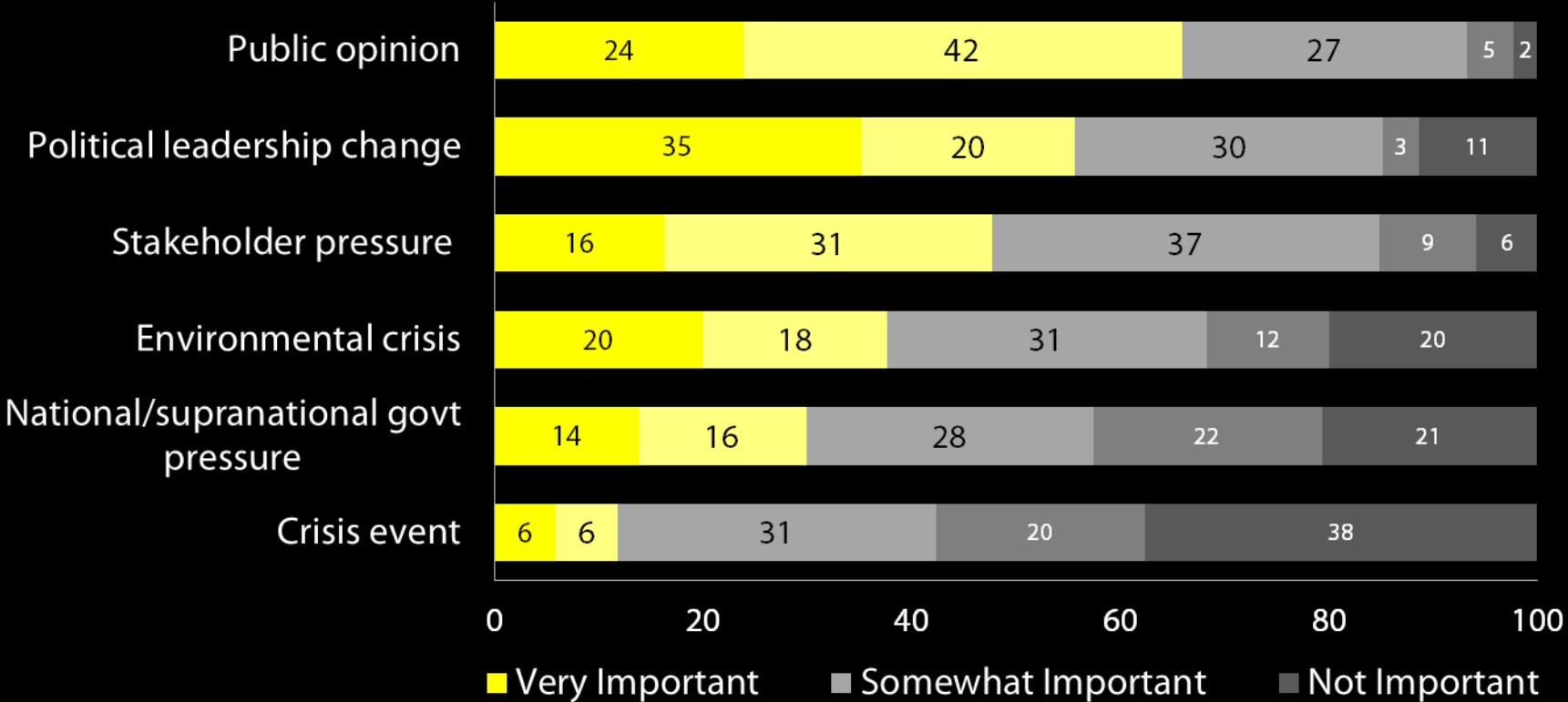
THREE

COLLABORATION

accelerating the green transition

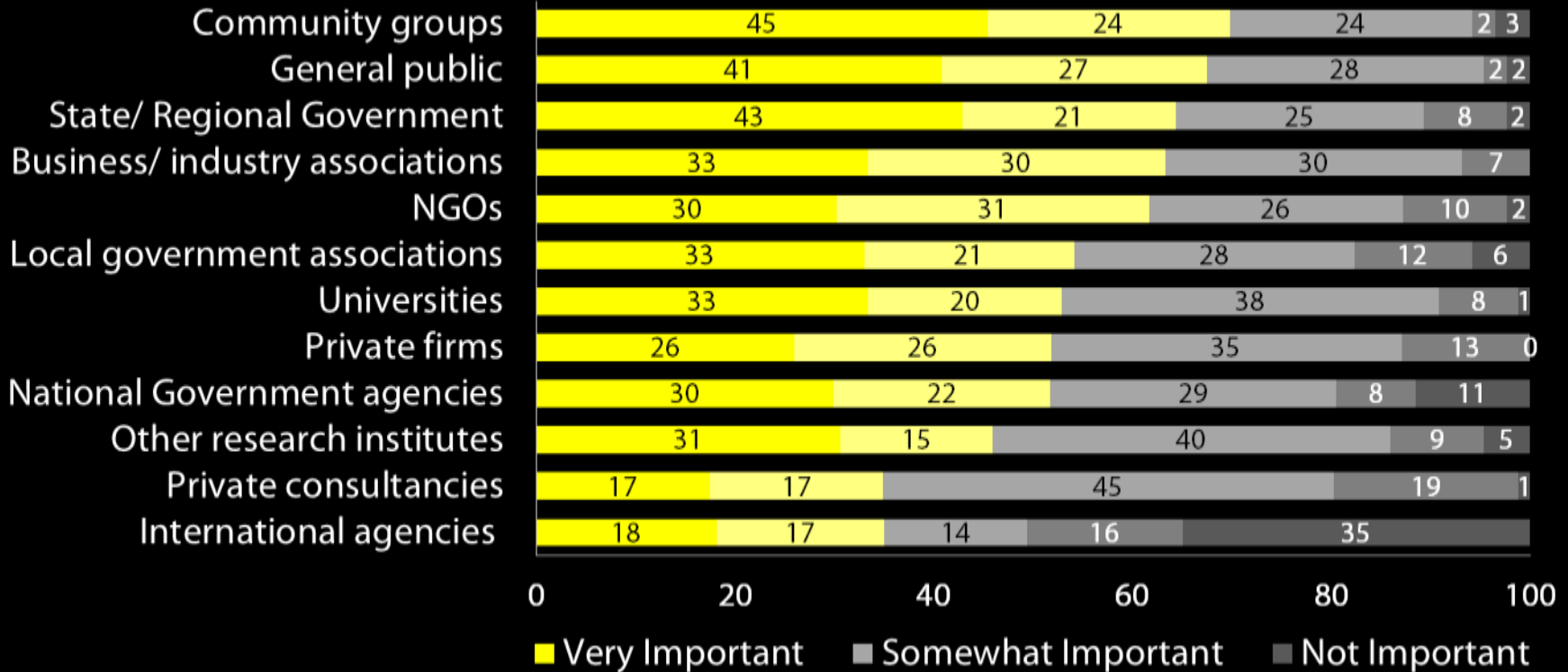
TRIGGERS FOR GREEN POLICY

Triggers in making green objectives an important part of a city's political agenda



INVOLVEMENT OF STAKEHOLDERS

Involvement of stakeholder groups in the formulation of your city's green policies



BERLIN ELECTRIC MOBILITY



- €25m state funding
- €75m private sector funding
- €680m total federal government e-mobility funding
- PLUS policy support related to Germany's Energy Transition

FOUR

CITIES AS PLACE MAKERS

spatial planning and infrastructure investments

GREEN POLICY TOOLS

91%
Development
planning

67%
Public private
partnerships

87%
Public
awareness

30%
Taxation

85%
Standards and
regulations

17%
Cap and Trade

70%
Public funding and subsidies

CAPABILITIES

How would you rate your city's capabilities in the following areas?

