

Social Research in Transport (SORT)
Clearinghouse

Institute of Transport Studies, Monash University

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AMELIA: a tool for increasing social
inclusion

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**AMELIA – a tool
for increasing
social inclusion**

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The purpose of the policy-related work

- To develop a computer-based policy analysis tool to incorporate social inclusion into the transport policy-making process
- To ensure that the tool reflects the needs and expectations of socially excluded people

The policy analysis tool

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The policy analysis tool

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Methodology for

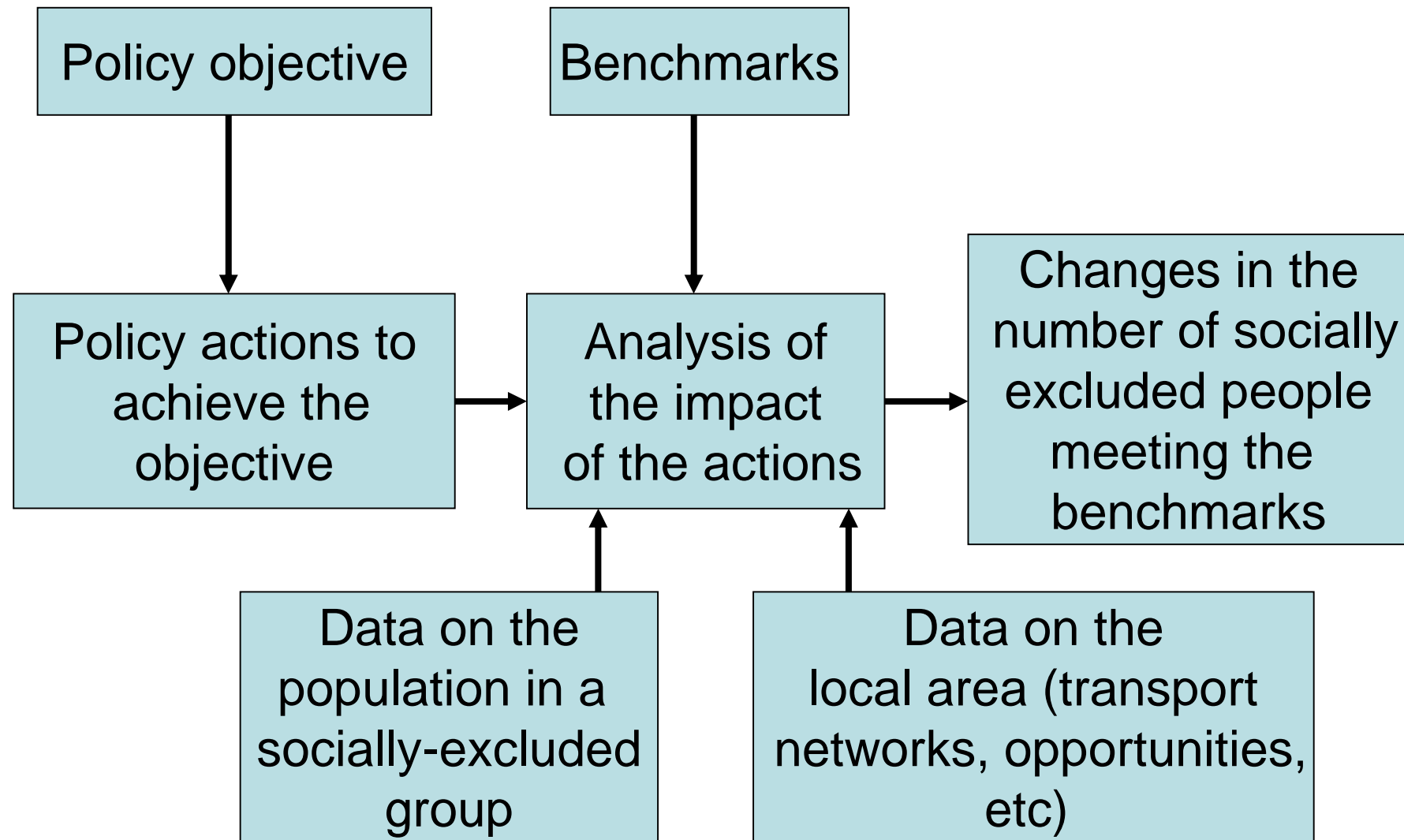
Enhancing

Life by

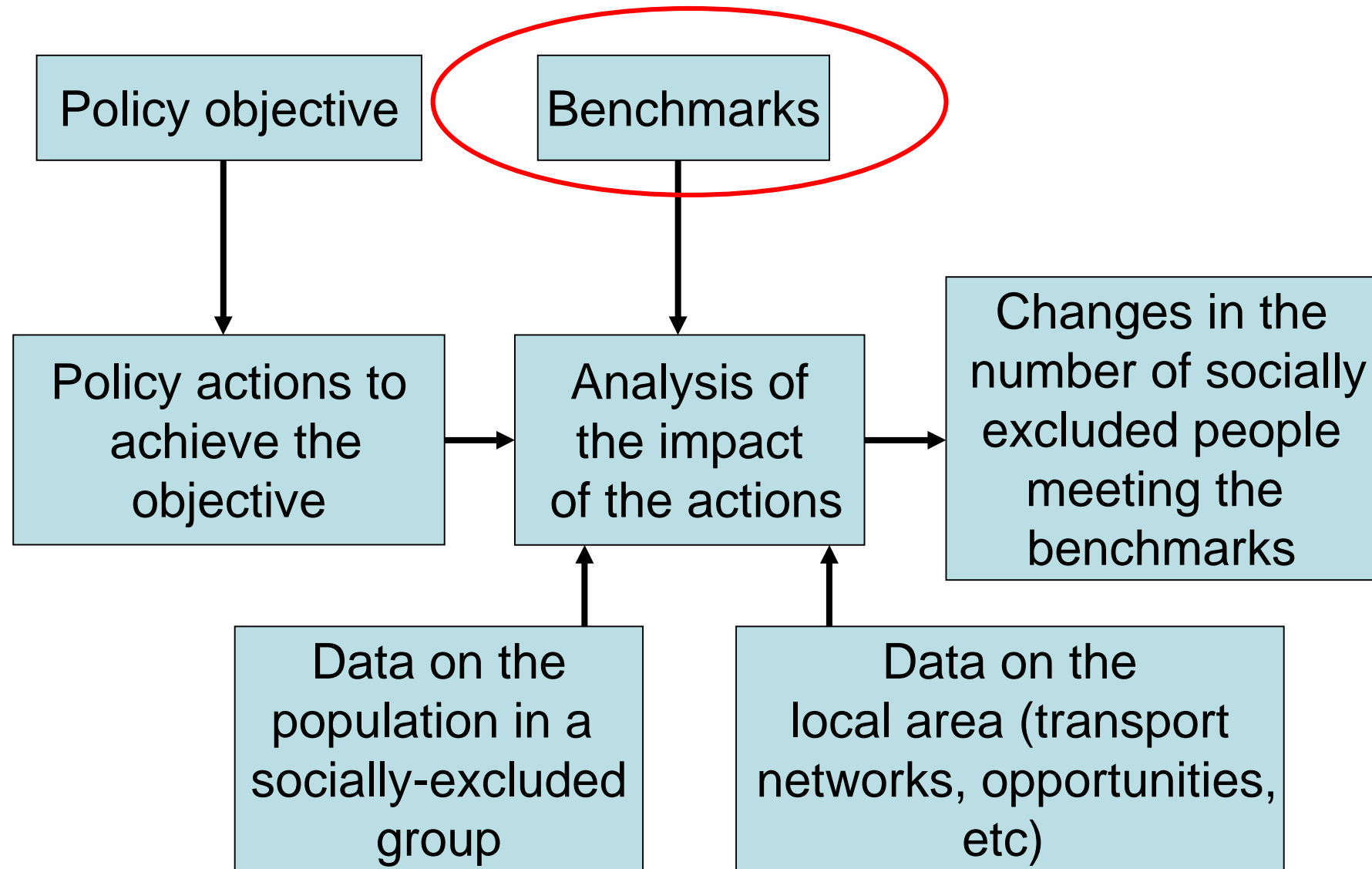
Increasing

Accessibility

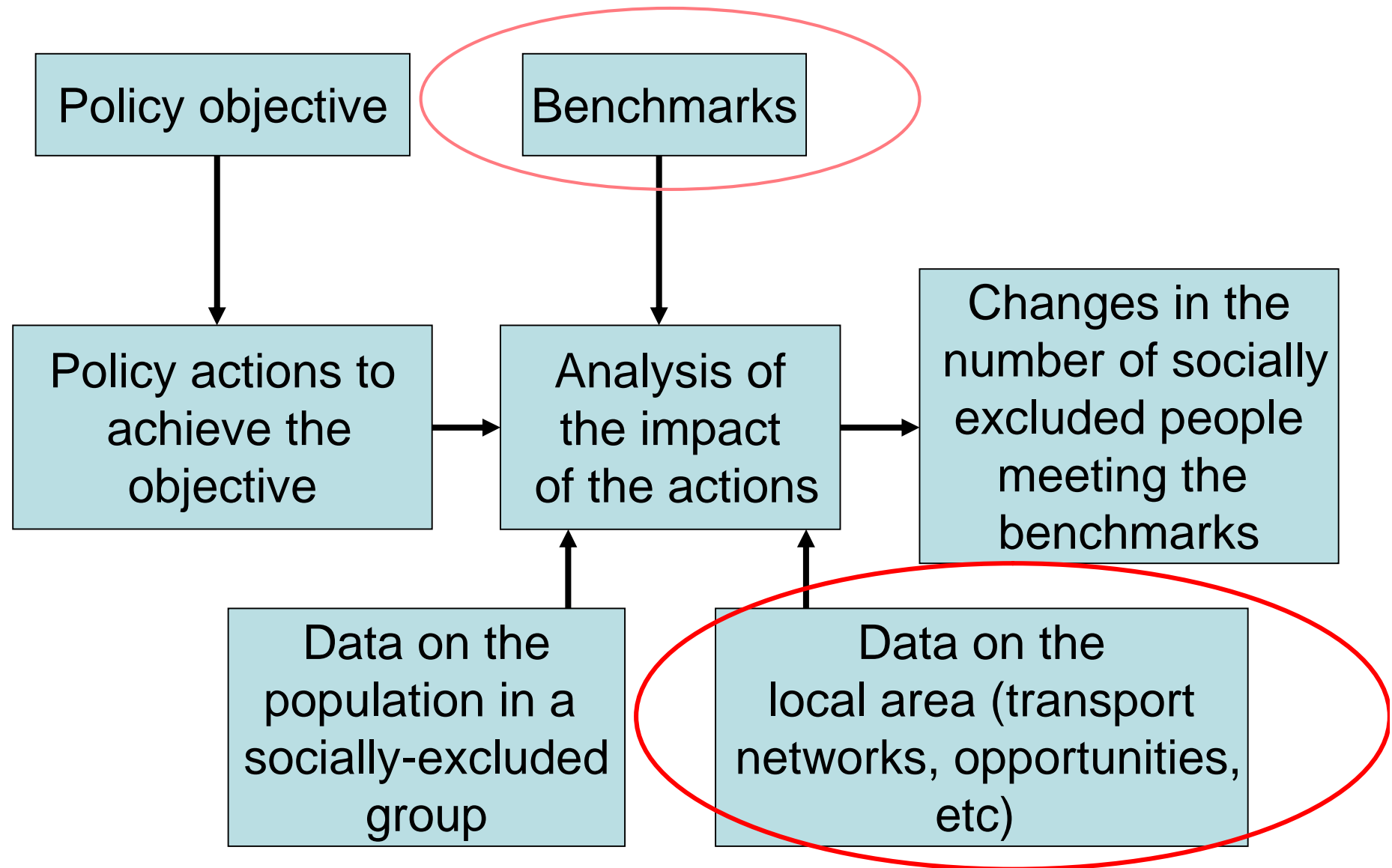
The elements of the policy analysis tool, AMELIA



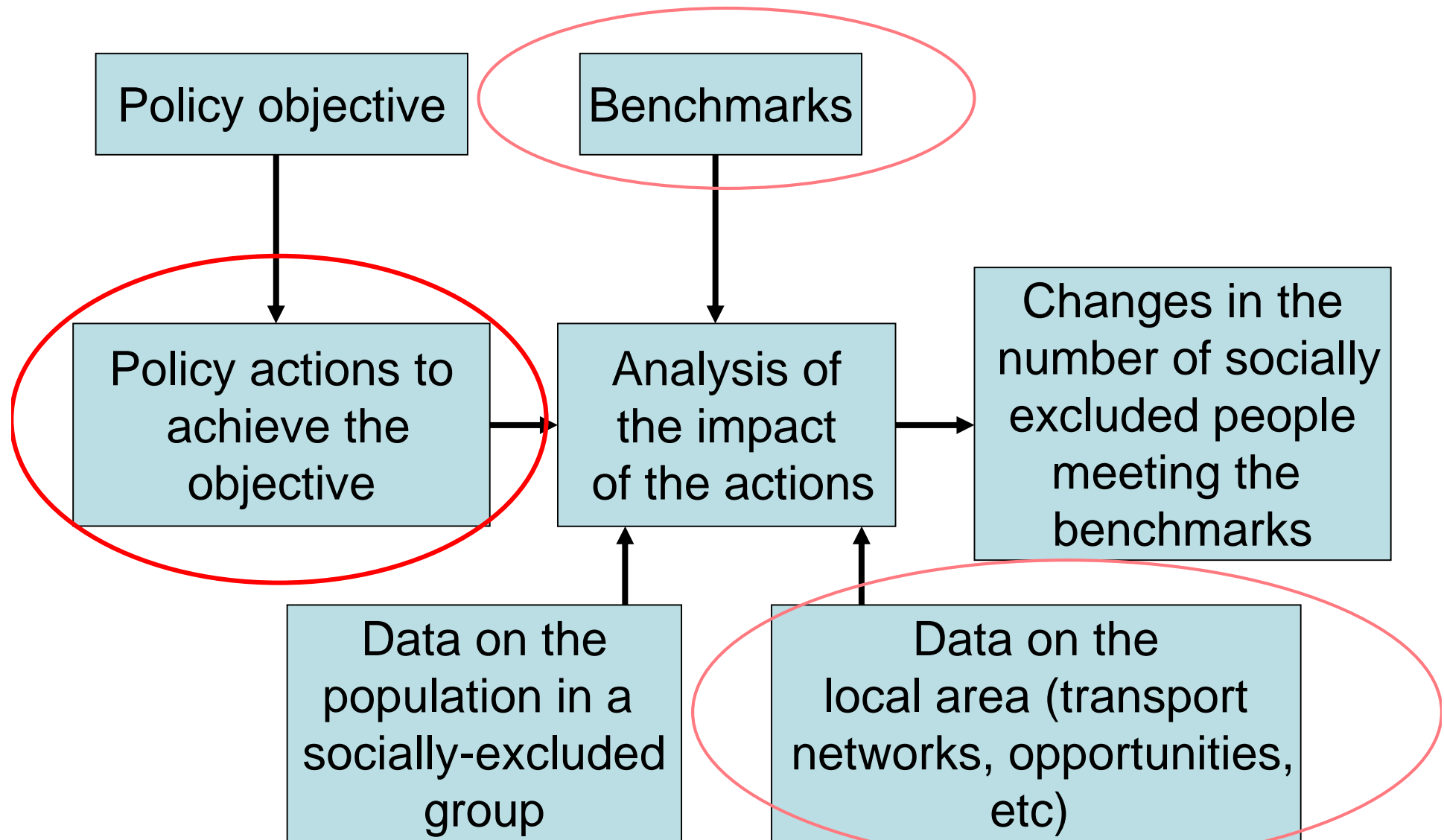
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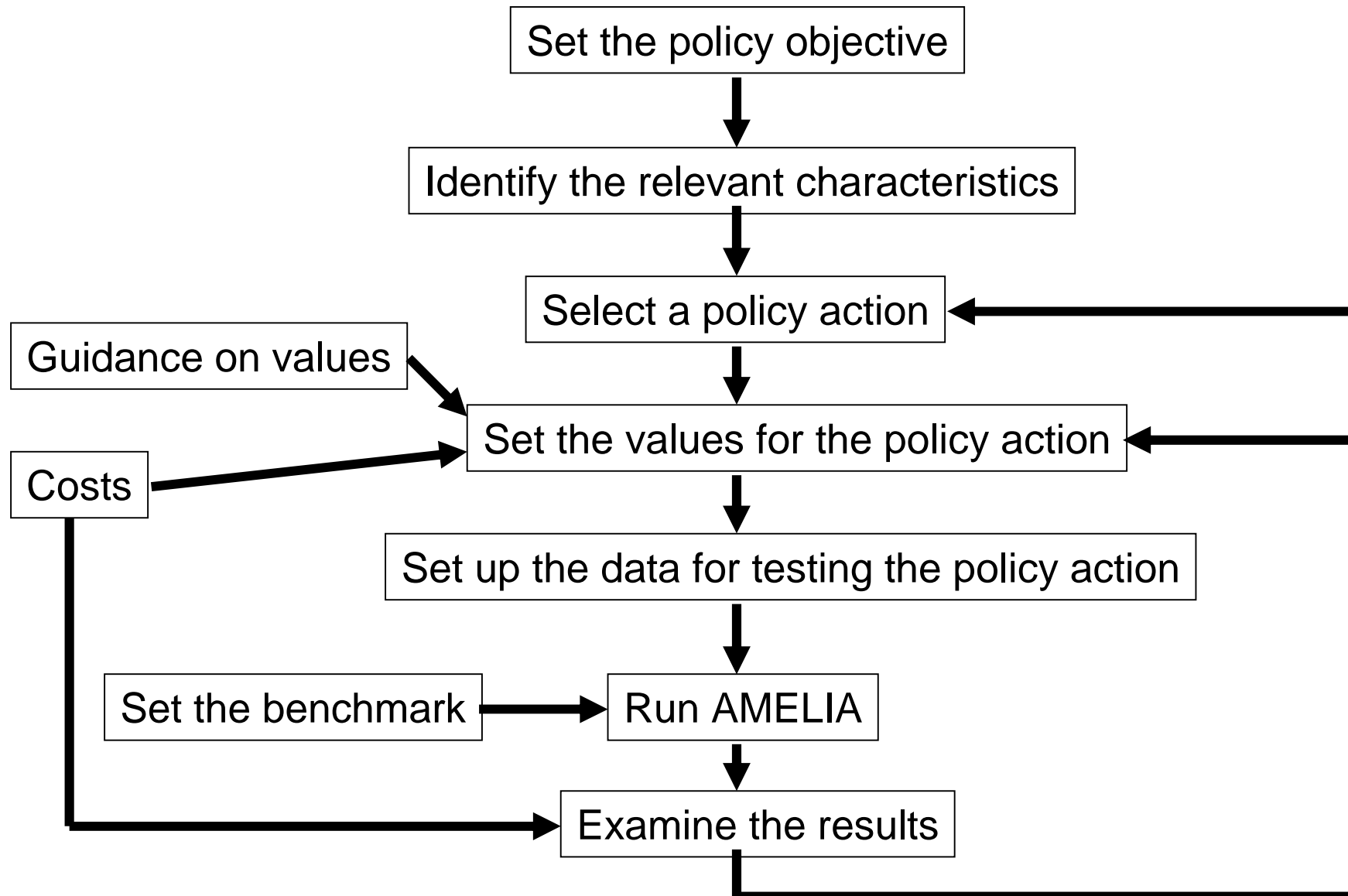


Setting the policy objectives

Examples of questions that can be addressed:

- How can accessibility be increased for members of a group of people who are socially excluded?
- How can accessibility by a particular mode be increased?
- How can barriers to accessibility be removed?
- How much does an increase in accessibility cost?
- How much extra accessibility can be bought for £X?

The procedure



Characteristics of the policy actions

- To date, 57 policy actions have been identified which can be examined using AMELIA
- They have the following characteristics:
 - 10 types of social exclusion
 - 6 modes of travel
 - 14 types of policy action
 - 13 types of barriers that can be overcome

Policy actions for socially excluded groups

Socially excluded group	Number of policy actions
People with limited mobility	26
Non-car owners	25
Wheelchair users	19
Young people	10
Parents with infants in pushchairs	9
People living in rural areas	8
Job seekers	4
People with visual impairment	3
People on low incomes	2
People with hearing impairment	2
Members of ethnic minorities	0
Parents with young school children	0
People with learning difficulties	0

Policy actions for modes of travel

Modes of travel	Number of policy actions
Bus	21
Walk	21
Rail	14
Bicycle	8
Not applicable	8
Car	7
Taxi	1

Types of policy action

Type of policy action	Number of policy actions
Public transport service	9
Street crossing design	6
Public transport infrastructure	6
Access to other modes from the street	5
Pavement design	5
Building access	4
Organisational	4
Planning	4
Road design	3
Street environment	3
Vehicle design	3
Car park design	2
Fares	2
Public transport information	1

Policy actions to overcome various barriers

Barrier to travel	Number of policy actions
Difficulty travelling a long way	9
Difficulty using public transport	9
Change of level	7
Difficulty crossing the road	6
Psychological	6
Lack of public transport	6
Lack of private transport	5
Difficulty entering vehicles	4
Difficulty moving along the pavement	4
Financial	2
Difficulty finding the way	2
Difficulty standing or walking for a long time	2
Difficulty using ticket machines	2

Guidance

Guidance is provided on:

- Best practice in design
- Personal characteristics that define why the person is excluded

Design guidance is provided on:

- **Buildings**
- **Bus stops**
- **Car parks**
- **Changes of level**
- **Pavements**
- **Road crossings**
- **Streets**
- **Vehicle design**

Design guidance is provided on:

- **Buildings** (Access to buildings, Public conveniences, Refreshment facilities, Provision of ticket machines)
- **Bus stops** (Access, Design, Provision of information, Bus shelters)
- **Car parks** (Access, Design,)
- **Changes of level** (Escalators, Lifts, Ramps, Steps, Travelators)
- **Pavements** (Pavement width and obstacles, Tactile paving)
- **Road crossings** (Design, Dropped kerbs, Signalised crossings, Traffic islands)
- **Streets** (Design, Lighting, Provision of seating)
- **Vehicle design** (Access to public transport vehicles, Bus interiors, Taxis)

Sources of the guidance:

- ‘Inclusive Mobility: A guide to best practice on /access to pedestrian and transport infrastructure’, Department for Transport, 2005
- ‘Improving Transport Accessibility for All’ ECMT, 2006
- ‘Manual for Streets’ DfT, DCLG, 2007
- ‘Town and infrastructure planning for safety and urban quality: state-of-the-art report’, COST Action C6, published by the European Commission, 2000
- ‘The American with Disabilities Act and Architectural Barriers Act Accessibility Guidelines’, published by the United States Access Board, 2004
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