

SMART & TRENDY CITY

STRATEGY FOR SUSTAINABLE DEVELOPMENT



RECOGNITIONS

2021/22



10

Cities in the world
with UN Habitat
certification

RECOGNITIONS

2021/22



10

Cities in the world
with UN Habitat
certification



5

Best sustainability
policies in Portugal
According to the ABAE
index

RECOGNITIONS

2021/22



10

Cities in the world
with UN Habitat
certification



5

Best sustainability
policies in Portugal
According to the ABAE
index



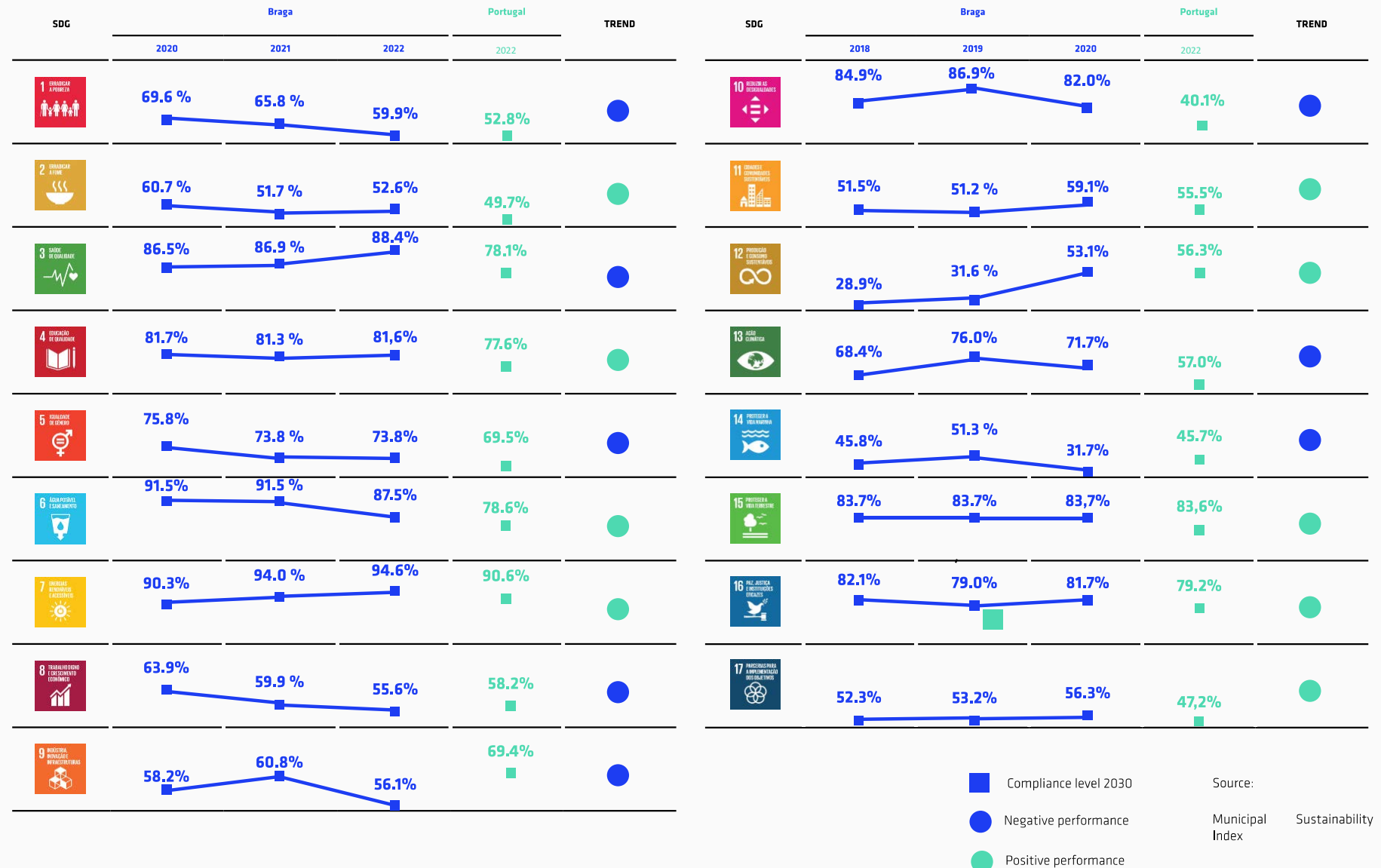
68,8%

SDG Achivement

AGENDA 2030 ACHIEVEMENT

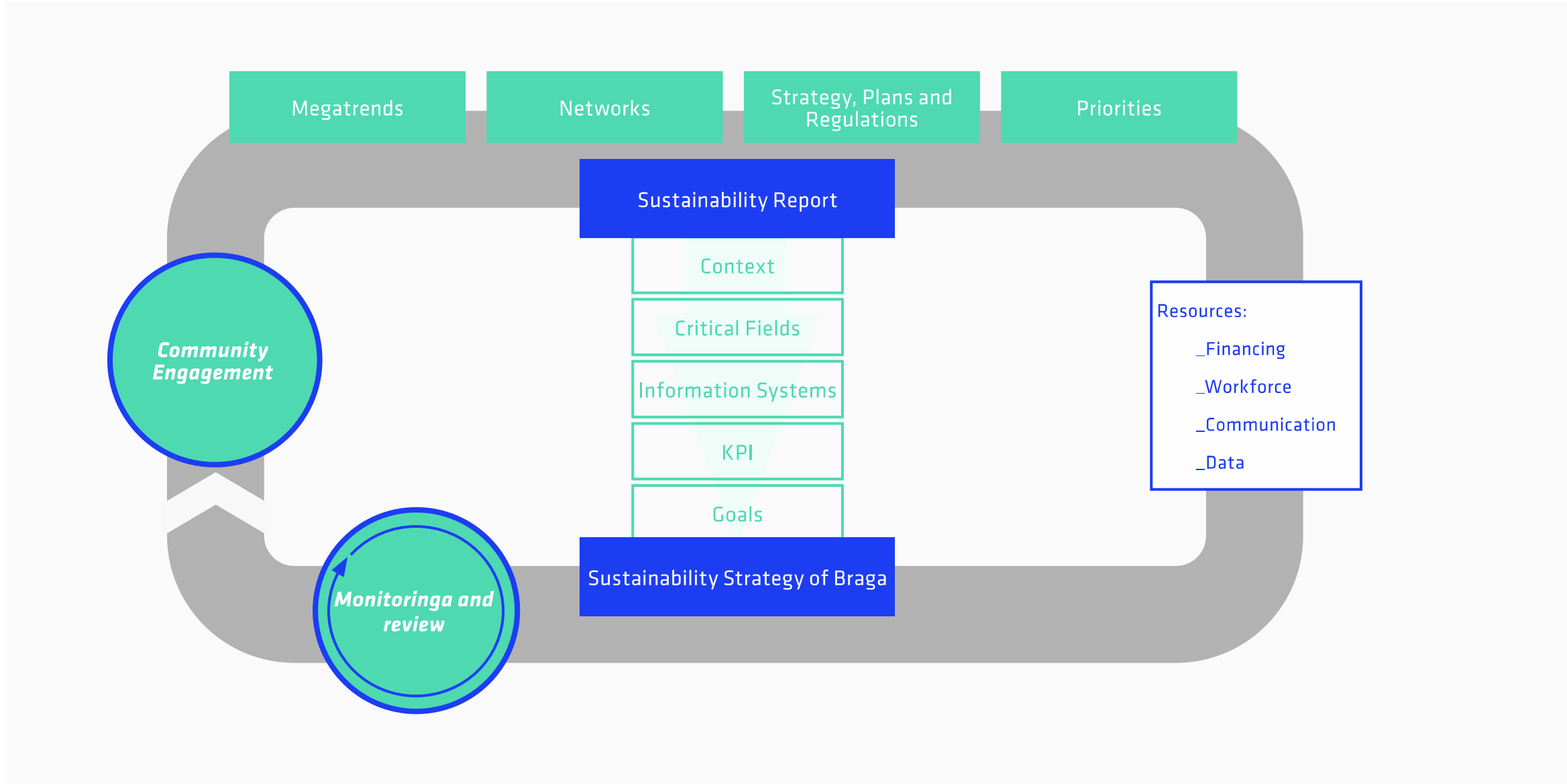
SDG

Level of achievement of the Municipality of Braga to the Sustainable Development Goals of the United Nations 2030 Agenda



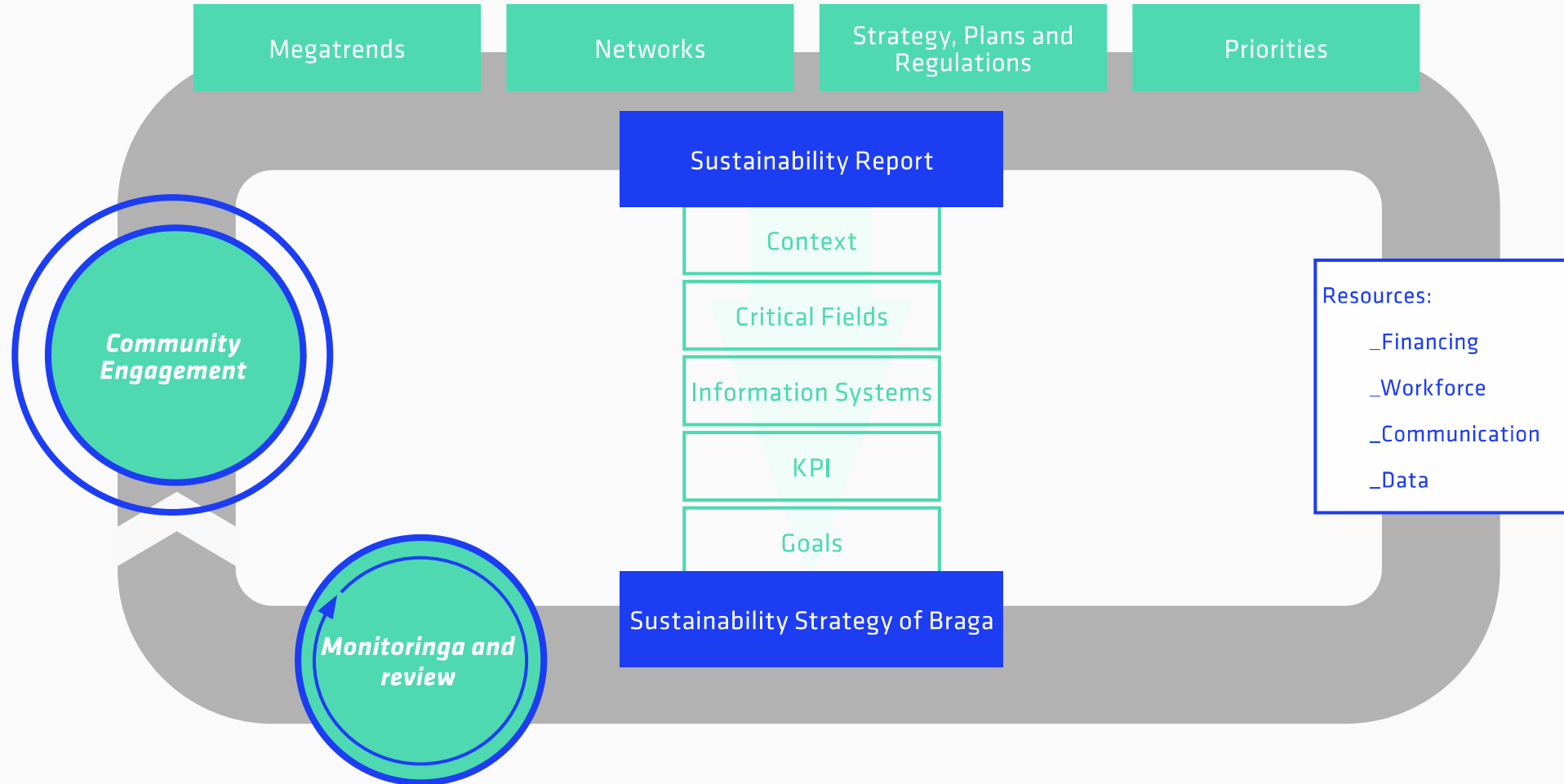
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



HOW WE PLAN THE FUTURE

STRATEGIC MODEL



COMMUNITY IN THE DECISION PROCESS

STAKEHOLDERS ENGAGEMENT

1

Stakeholders mapping

- _ Internal and External Stakeholders identification
- _ Selection by the Inclusion, relevance and importance criteria
- _ Hierarchy of representatives
- _ Responsiveness to information
- _ *Focus Group*

2

Relevant themes identification

- _ Trends analysis
- _ Themes identification in order to Braga Strategy
- _ Assesemnet of the ability to perceive the topics addresses by the stakholders

3


Engagement

- _ Relashionship level
- _ Inventory of stakeholders relationship channels under criteria of frequency and availabe means
- _ Risks identifications and sensitivities
- _ Scheduling and establishment of the implementation plan

4

Results Analysis

- _ Implementation od Engagement Matrux
- _ Introduction of the engagement results in the strategic decision process
- _ Publication
- _ Improvement plan

Stakeholders Group	Evaluation	Stakeholders Group	Evaluation
 Community	Satisfying 2,71	 Citizens Groups	Very Good 4,00
 Business community	Very Good 3,54	 Network	Very Good 3,50
 Municipal Companies	Satisfying 3,54	 Religious Institutions	n/a -
 Associations and NGO	Satisfying 3,40	 Press	Very Good 4,00
 Governmental Entities	Very Good 4,00	 European Entities	n/a -
 Education	Satisfying 3,00	 Cultural Institutions	Very Good 4,00
 Reserach Institutions	Satisfying 3,00	 Employees	Satisfying 3,40
 Sports Associations	Very Good 3,86	 Parish Councils	Very Good 3,80
 Health Institutions	Very Good 4,00	 Security and Civil protection institutions	n/a -
 Suppliers	Very Good 4,00		
 Social Institutions	Very Good 4,00		
 Regional Entities	Excelent 4,50		

Evaluation level

Very bad -1

Bad - 2

Satisfying - 3

Very Good - 4

Excelent - 5

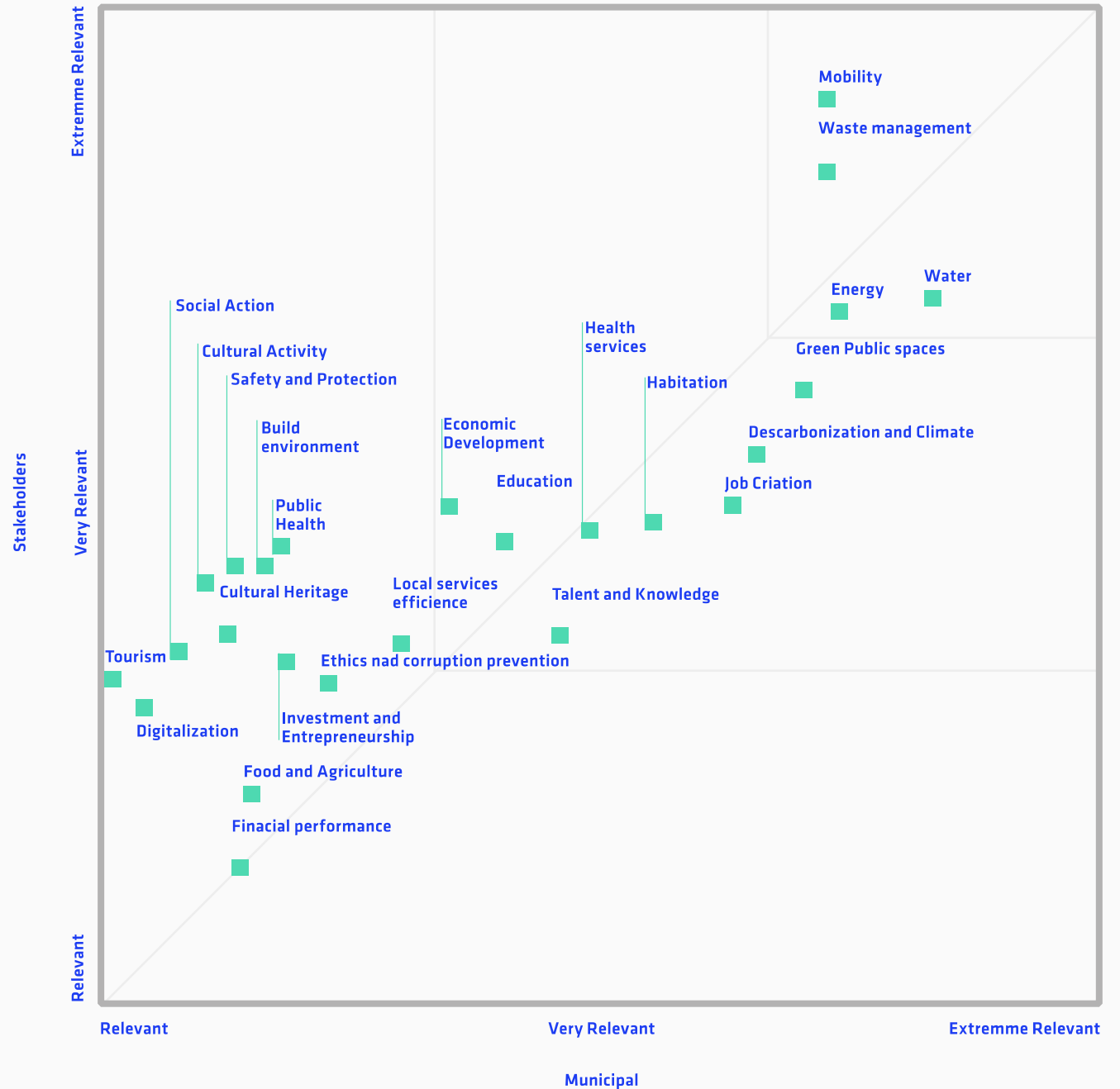
n/e - not evaluated

4– Very Good

Assessment to the Municipality of Braga in the context of Sustainable Development

Engagement Matrix

Alignment between community and municipal management expectations



COMMUNITY IN THE DECISION PROCESS

STRATEGIC COUNCIL FOR SUSTAINABLE DEVELOPMENT

Stakeholders from de Braga



Universidade do Minho



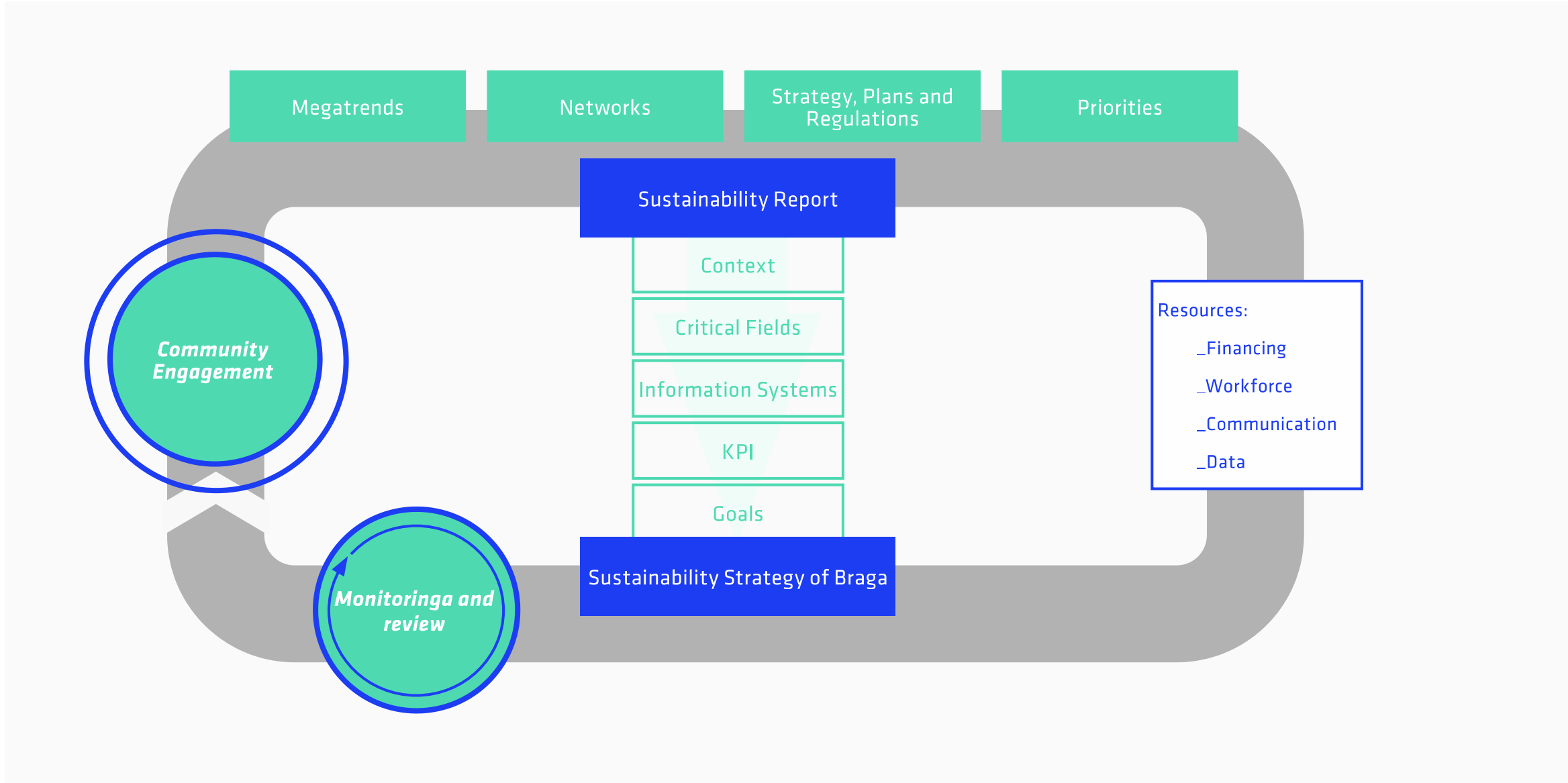
3 National experts
in sustainable development

3 Local citizens experts
in sustainable development



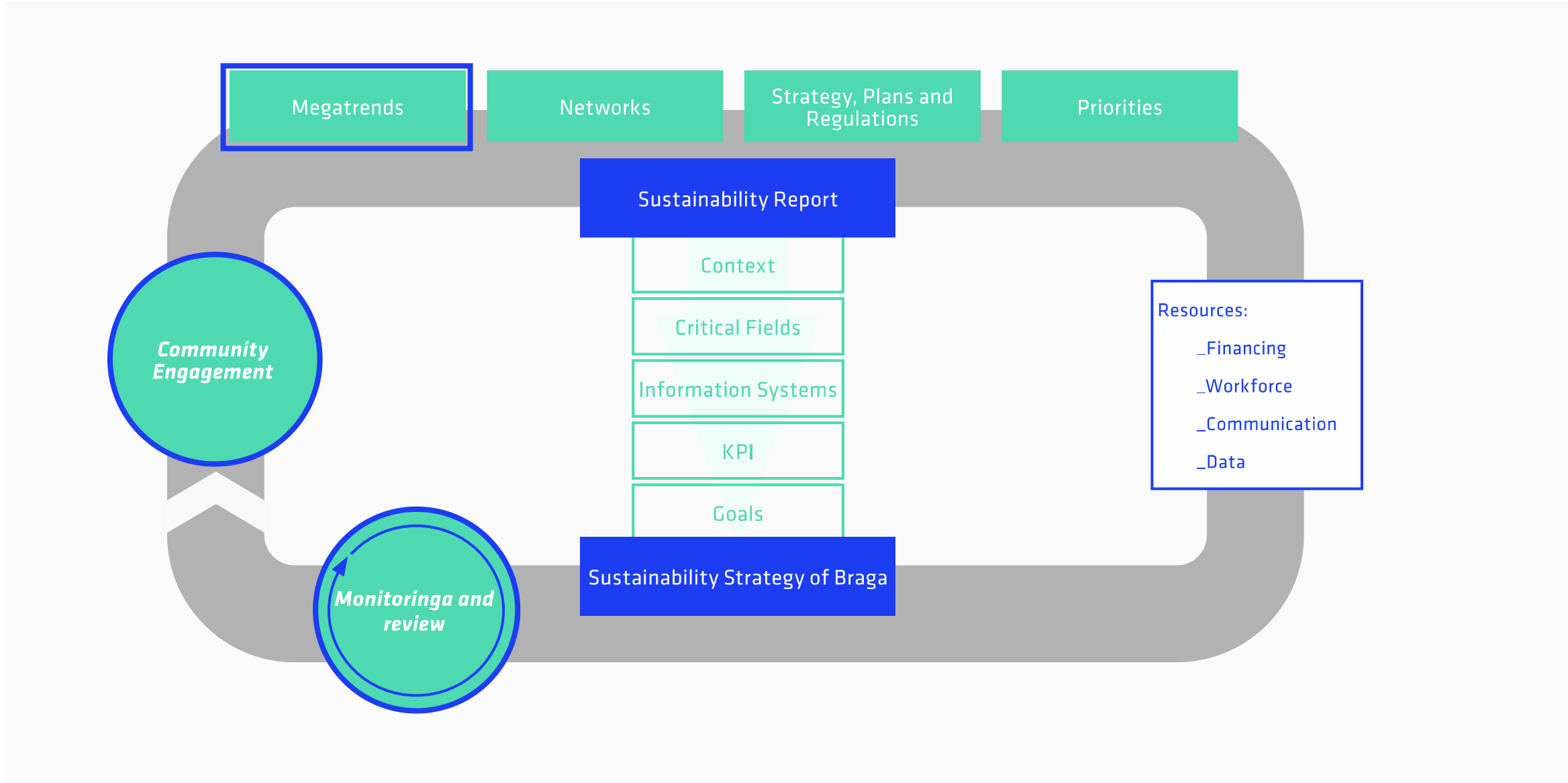
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



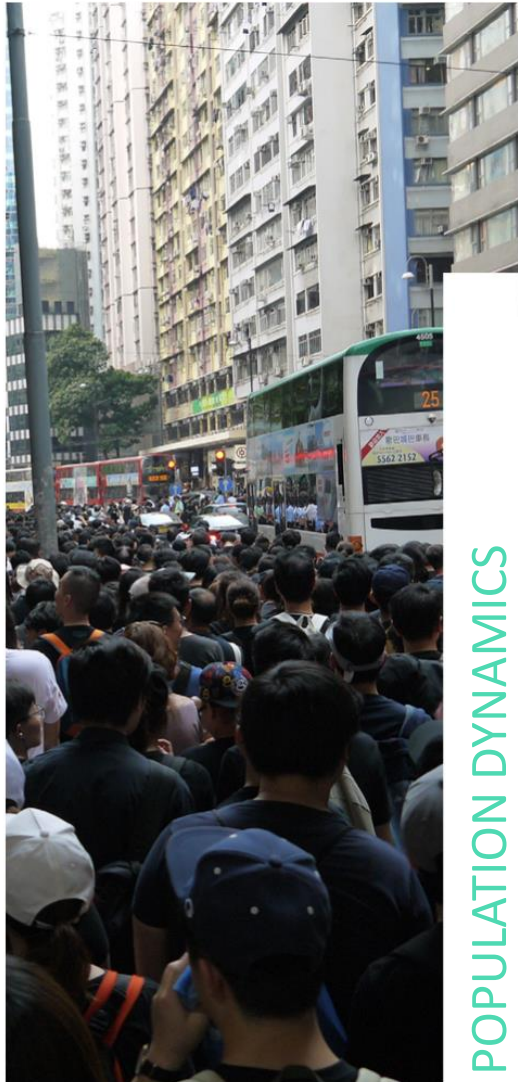
HOW WE PLAN THE FUTURE

STRATEGIC MODEL

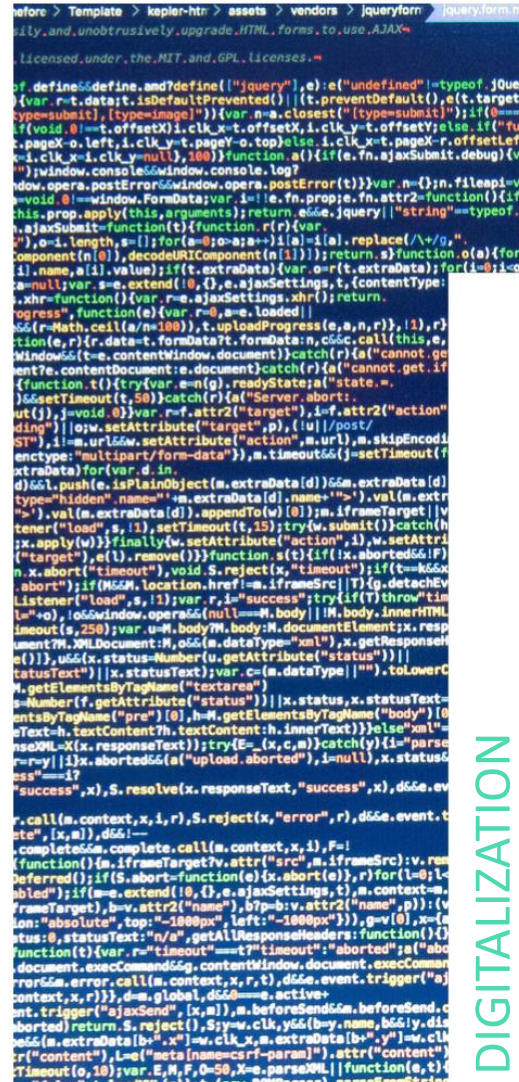


4 MEGATRENDS

WHAT IMPACTS WILL WE HAVE ON THE CITY



POPULATION DYNAMICS



DIGITALIZATION



CITIZENS' EXPECTATIONS



CLIMATE EMERGENCY

UNSTABLE URBAN FLOWS

POPULATION DYNAMICS



25%

Growth in world energy consumption by 2040 with 70% consumed by the US, China and India

1,7 billions

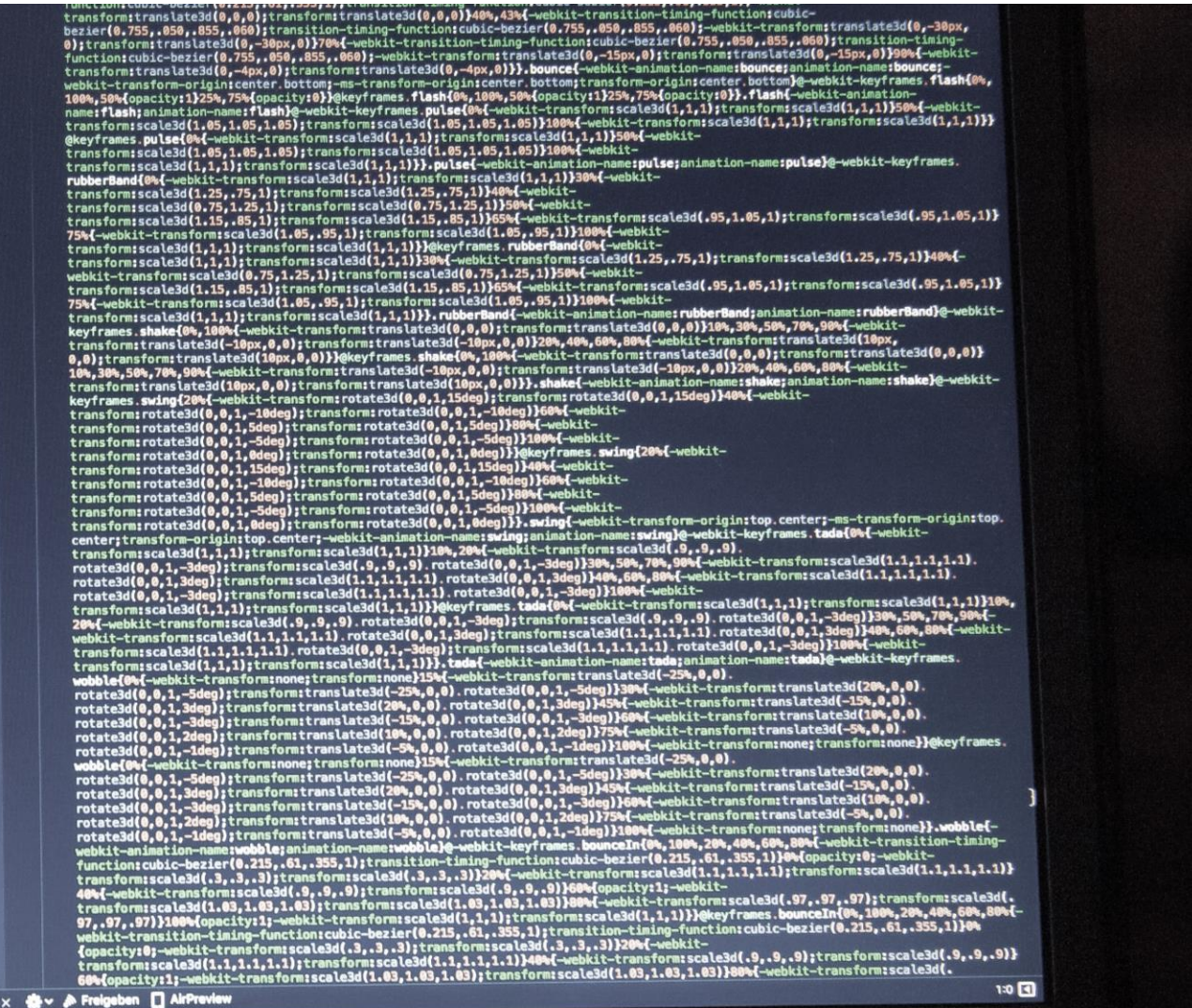
From people who will move from rural to urban areas in the coming decades

500

Cities will be responsible for global economic growth and resource consumption

CONSTANT TECHNOLOGICAL DISRUPTION

DIGITALIZATION



20%

Of SMEs in Europe are currently digitized, compared to 58% of large companies

85 billion

Jobs that will be automated in the next 5 years

1,6 p.p.

Perspective of Chinese GDP Growth Related to Artificial Intelligence.

DECREASE IN PUBLIC PARTICIPATION

CITIZENS' EXPECTATIONS



87%

Of voters in the US do not believe the media or the news distributed from any source

2 milhões

People took part in climate demonstrations

60,51%

Highest abstention rate ever in Portuguese presidencies

A PLANET TO PROTECT

CLIMATE EMERGENCY



2/3

Of global greenhouse gas emissions originate in cities

2010-2020

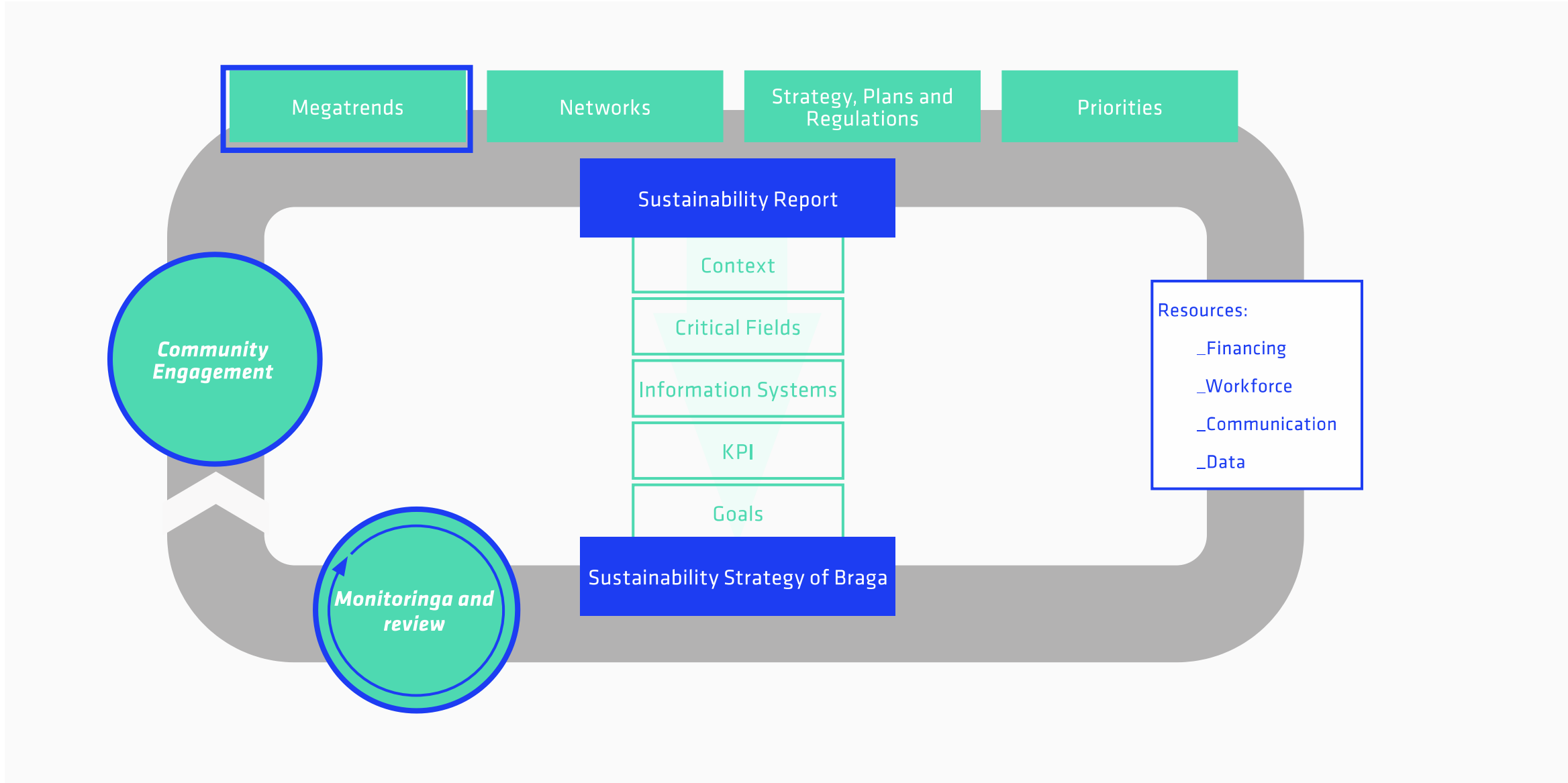
It was considered the hottest decade since the industrial revolution.

37 400

Endangered Species - IUCN Red List

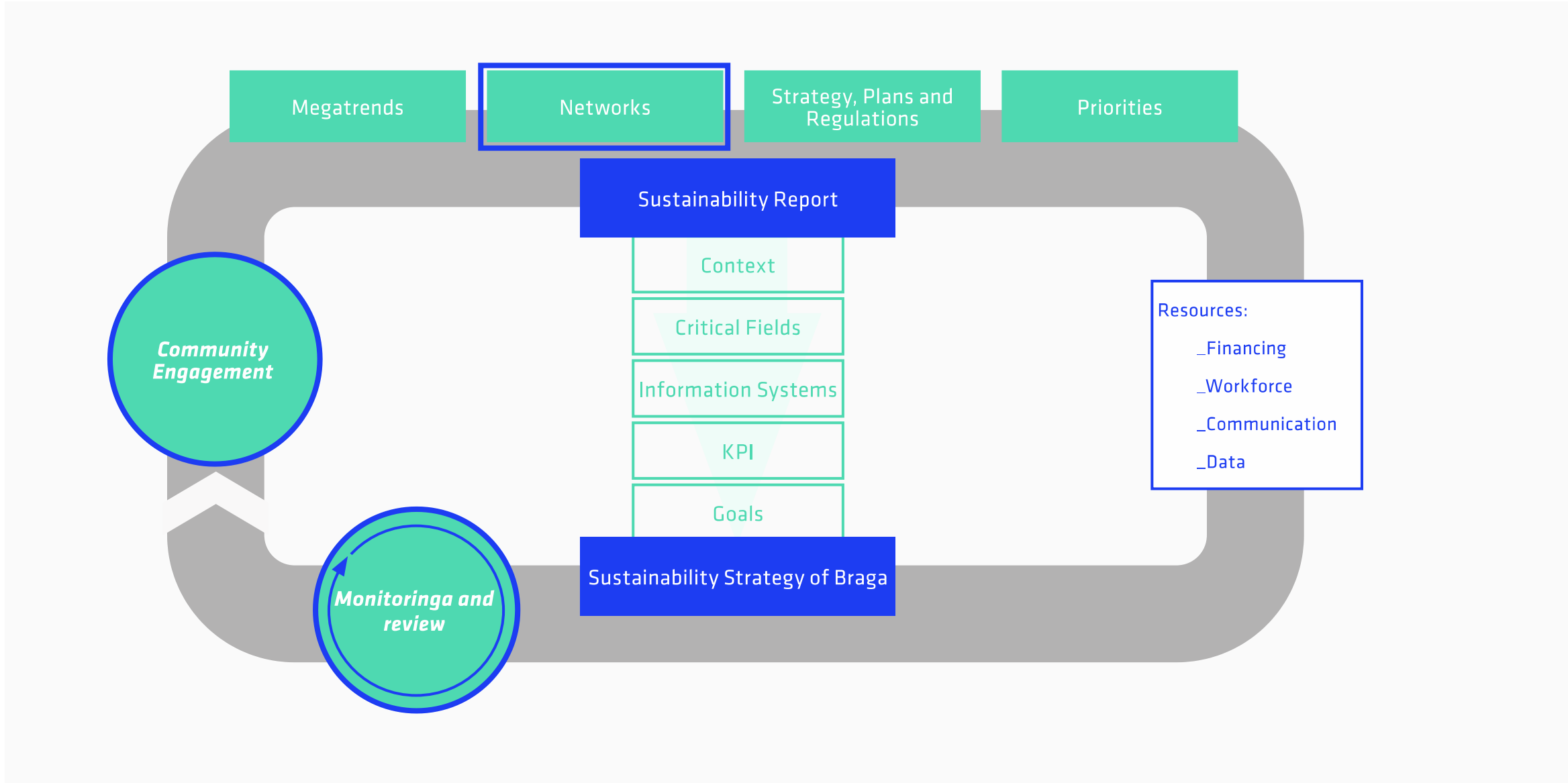
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



HOW WE PLAN THE FUTURE

STRATEGIC MODEL



CREATE TRUSTING RELATIONSHIPS

NETWORKS

Global and EU Governance



Networks and Umbrella Organizations



EU Programmes and Projects



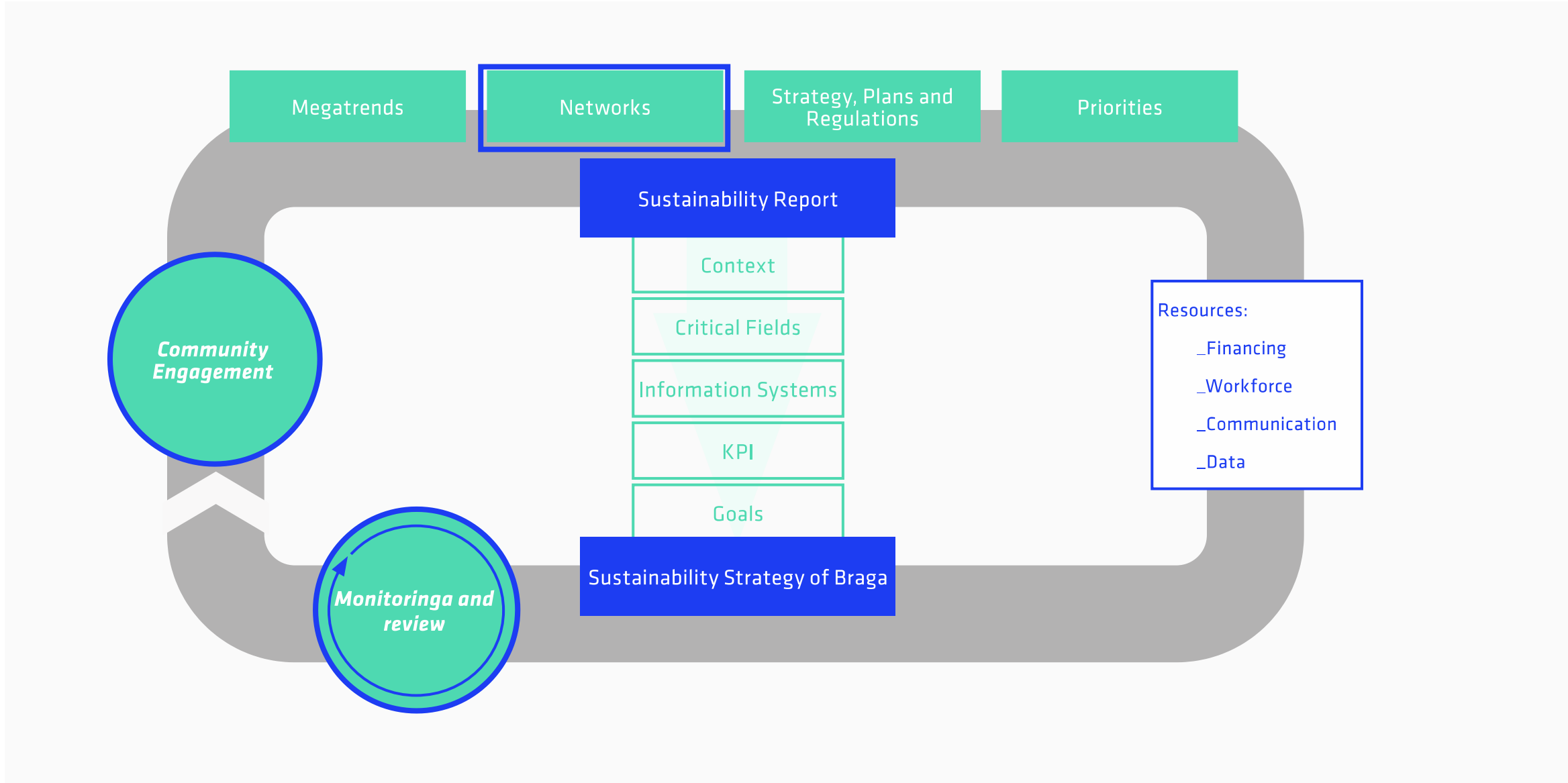
National networks



rede de municípios
para a adaptação local
às alterações climáticas

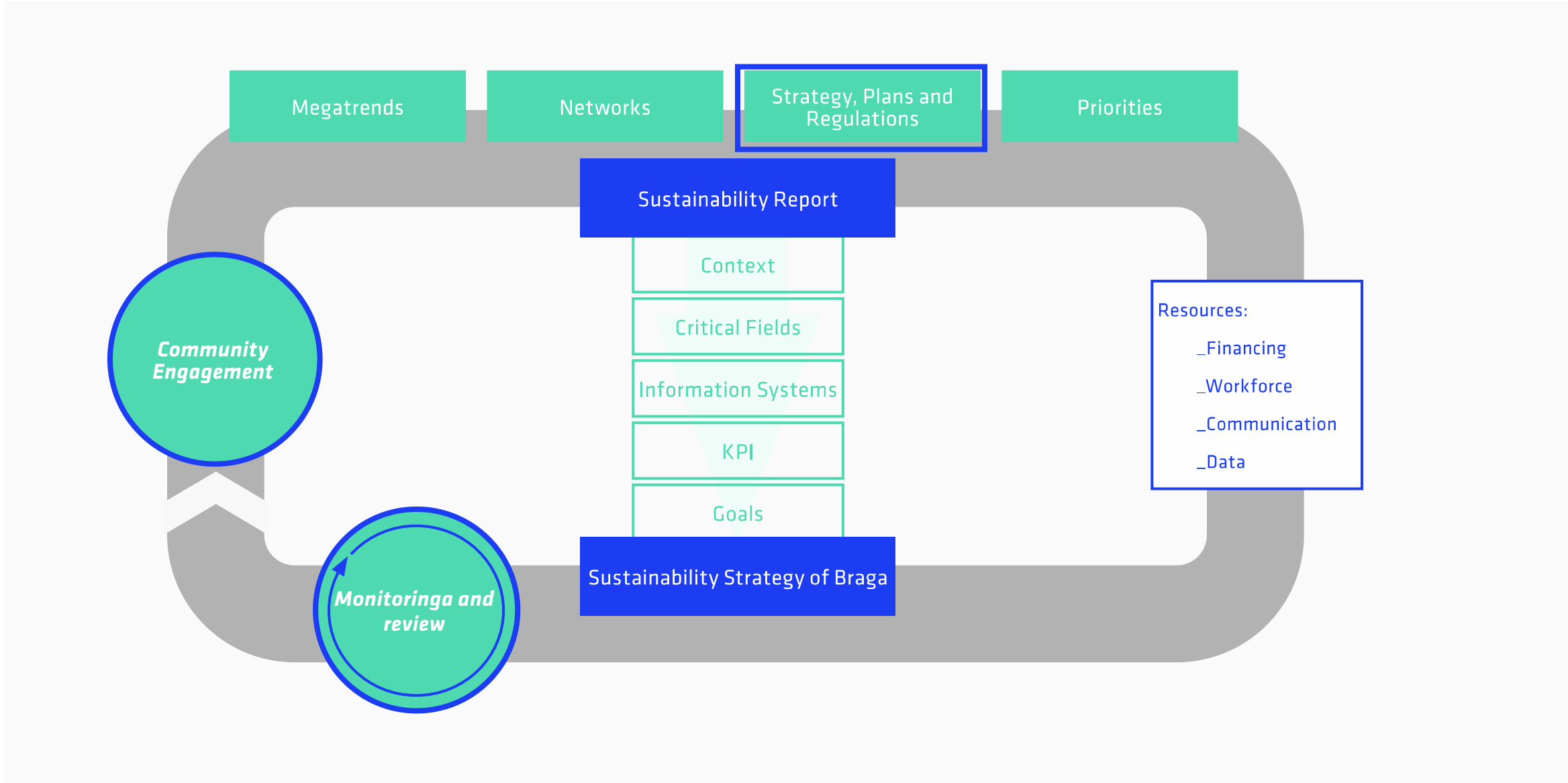
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



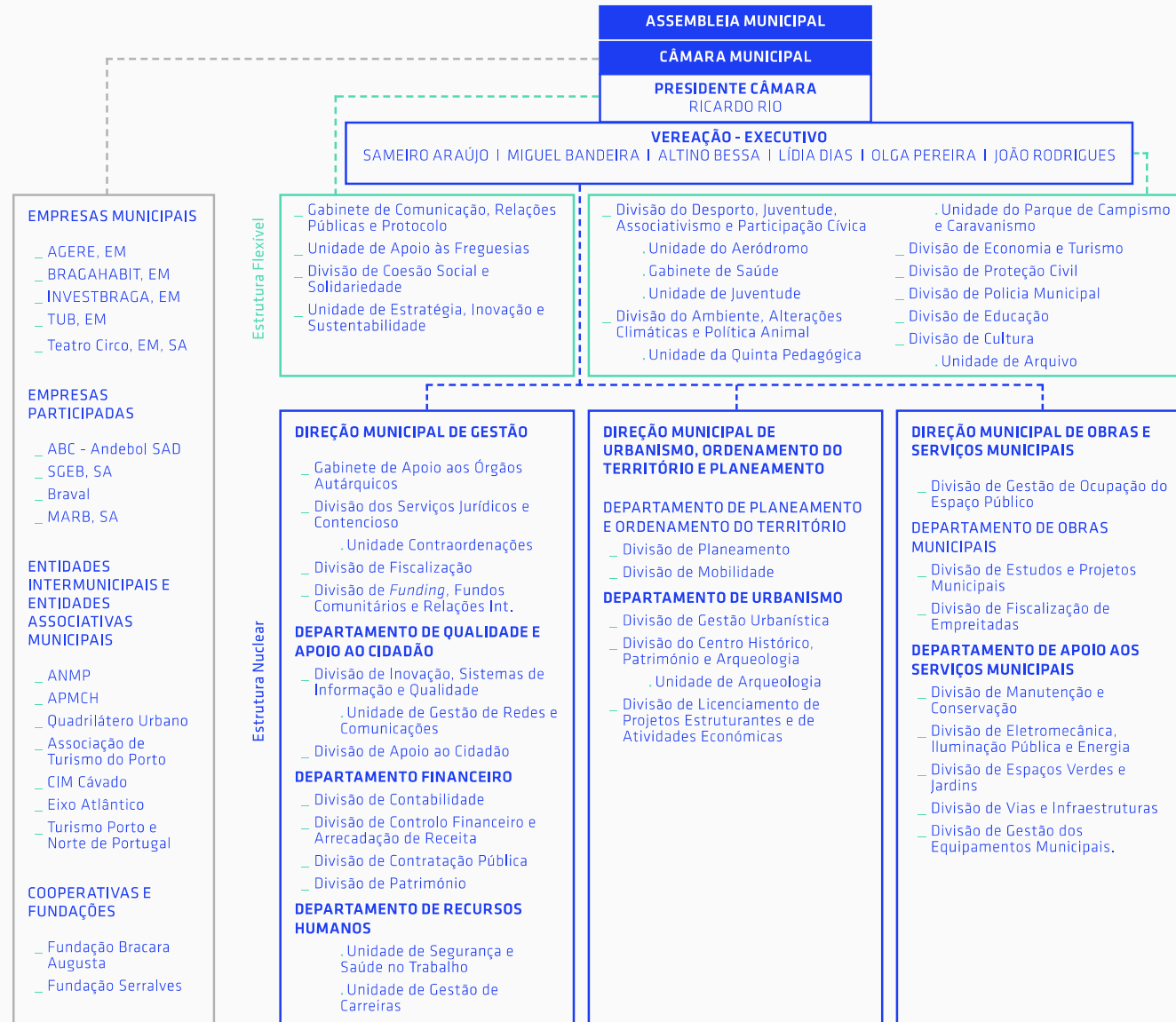
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



THE STRUCTURE THAT SUPPORTS CHANGE

ALIGNMENT FOR SUSTAINABLE DEVELOPMENT



CONTRIBUTE TO THE GLOBAL AGENDA

ALIGNMENT FOR SUSTAINABLE DEVELOPMENT

Local	Regional	National	European	Global
<ul style="list-style-type: none"> TUB Departamento de Inovação com a IBM e a Bosch Relatório de Valorização Ambiental das Freguesias Programa de desmaterialização do Município Braga Plano Estratégico Cultural de Braga 2030 Relatório de Avaliação e Execução do PDM Princípio de elaboração de Plano Municipal de Saúde Pública Plano de Desenvolvimento Económico de Braga 2026 Plano Estratégico para o Desenvolvimento Urbano Sustentável Human Power Hub 	<ul style="list-style-type: none"> Plano de Ação para a Mobilidade Sustentável Plano de Ação de Regeneração Urbana Plano de Integrado para as cidades Desfavorecidas Plano de Desenvolvimento Social 2016-2021 Plano Estratégico para a Habitação Local BUILD – Laboratório Vivo para a Descarbonização Plano Municipal de defesa da Floresta contra incêndios Proposta de Plano Estratégico para Energia Solar Agenda XXI Local Plano Diretor Municipal Plano de Mobilidade Sustentável Etc 	<p>Transversais</p> <ul style="list-style-type: none"> ECO XXI – Autárquico Roteiro para a Neutralidade Carbónica (RNC 2050), em elaboração; Programa Nacional para as Alterações Climáticas (PNAC 2020/203), Estratégia Nacional de Adaptação às Alterações Climáticas (ENAAC 2020) Estratégia Nacional para o Ar (ENAR 2020), Plano de Ação para a Economia Circular (PAEC) Programa Nacional da Política de Ordenamento do Território (PNPOT), revisão a aguardar publicação; Estratégia Nacional para as Cidades Sustentáveis 2020; Estratégia Nacional para as Compras Públicas Ecológicas (ENCPE 2020); Estratégia Nacional de Educação Ambiental (ENEA 2020); Comércio Europeu de Licenças de Emissão (CELE); <p>Resíduos</p> <ul style="list-style-type: none"> Plano Estratégico dos Resíduos Sólidos Urbanos (PERSU 2020+), Plano Nacional de Gestão de Resíduos 2014 -2020 (PNGR) Plano Estratégico de Abastecimento de Água e Saneamento de Águas Residuais (PENSAAR 2020) Florestas Programa de Desenvolvimento Rural para 2014 -2020 (PDR 2020) Estratégia para os Efluentes Agropecuários e Agroindustriais 2018-2025, Código de Boas Práticas Agrícolas (CBPA), Estratégia Nacional para as Florestas (ENF) 	<ul style="list-style-type: none"> Mobilidade Plano Estratégico Transportes e Infraestruturas (PETi3+) para 2014-2020 Programa de Mobilidade Sustentável para a Administração Pública - Quadro de Ação Nacional para a criação de uma infraestrutura para combustíveis alternativos (QAN) Energia Plano Nacional de Ação para as Energias Renováveis 2013-2020 (PNAER) Plano Nacional para a Promoção de Biorrefinarias; Programa de Eficiência Energética na Administração Pública - ECO.AP, Planos de Desenvolvimento e Investimento da Rede Nacional de Transporte de Eletricidade (PDIRT); Planos de Desenvolvimento e Investimento da Rede Nacional de Distribuição de Eletricidade (PDIRD); Etc <p>Posicionamento das Redes Europeias:</p> <ul style="list-style-type: none"> Eurocities ICLEI UrbAct Etc 	<ul style="list-style-type: none"> Diretiva nº 2014/95/EU Agenda Urbana EU Política Climática Europeia Estratégia Europa 2020 Estratégia Energia 2020 Roteiro Europeu de Baixo Carbono Plano de Ação Economia Circular Pacote Mobilidade Mission Horizon <p>Acordo de Paris</p> <ul style="list-style-type: none"> COP22 Agenda 2030 UN – 17 ODS Agenda Urbana UN Pacto dos Autarcas Estratégias Nações Unidas UNHabitat SDG SDG Academy Etc.

CONTRIBUTE TO THE GLOBAL AGENDA

ALIGNMENT FOR SUSTAINABLE DEVELOPMENT

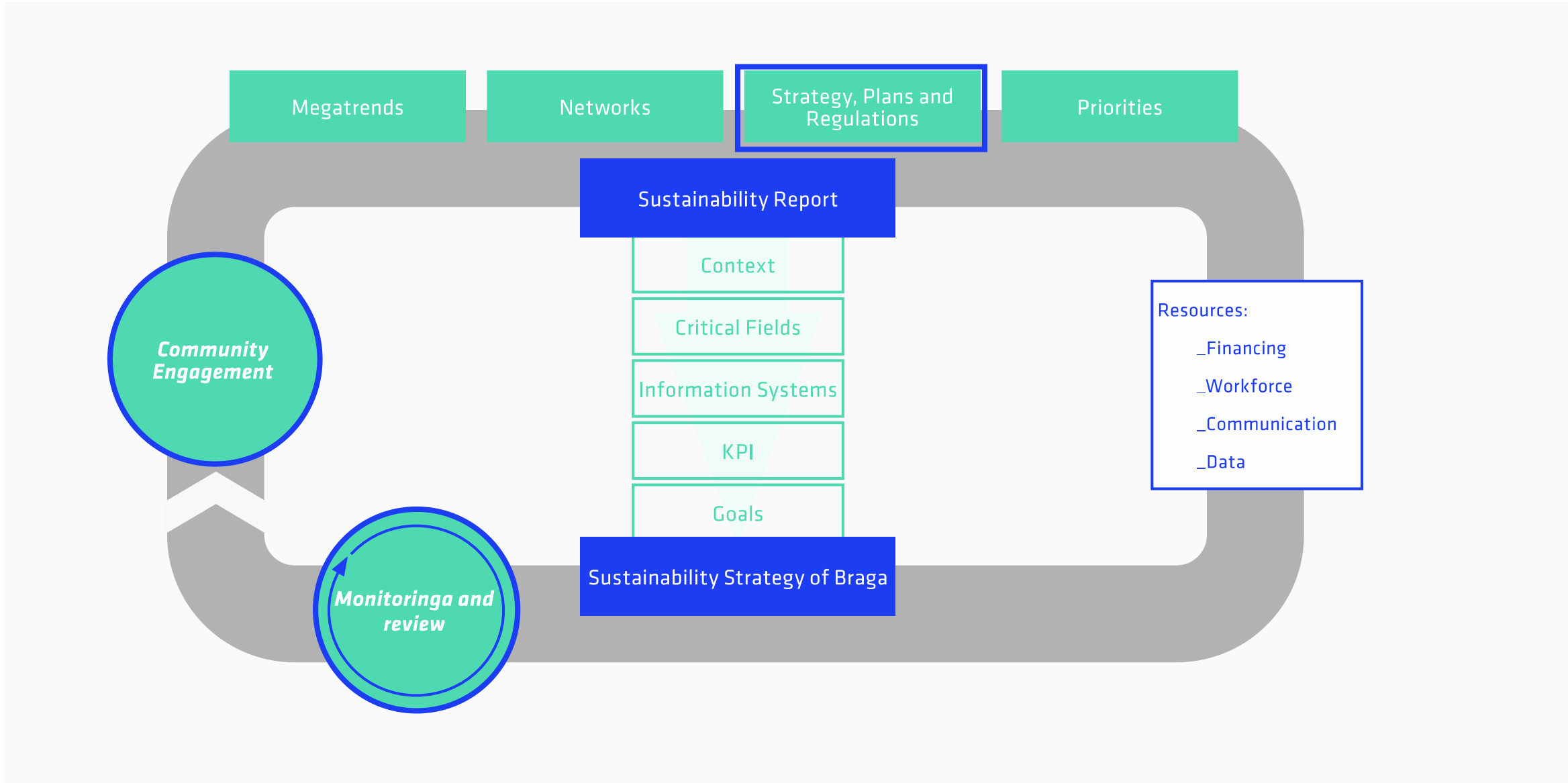


PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11



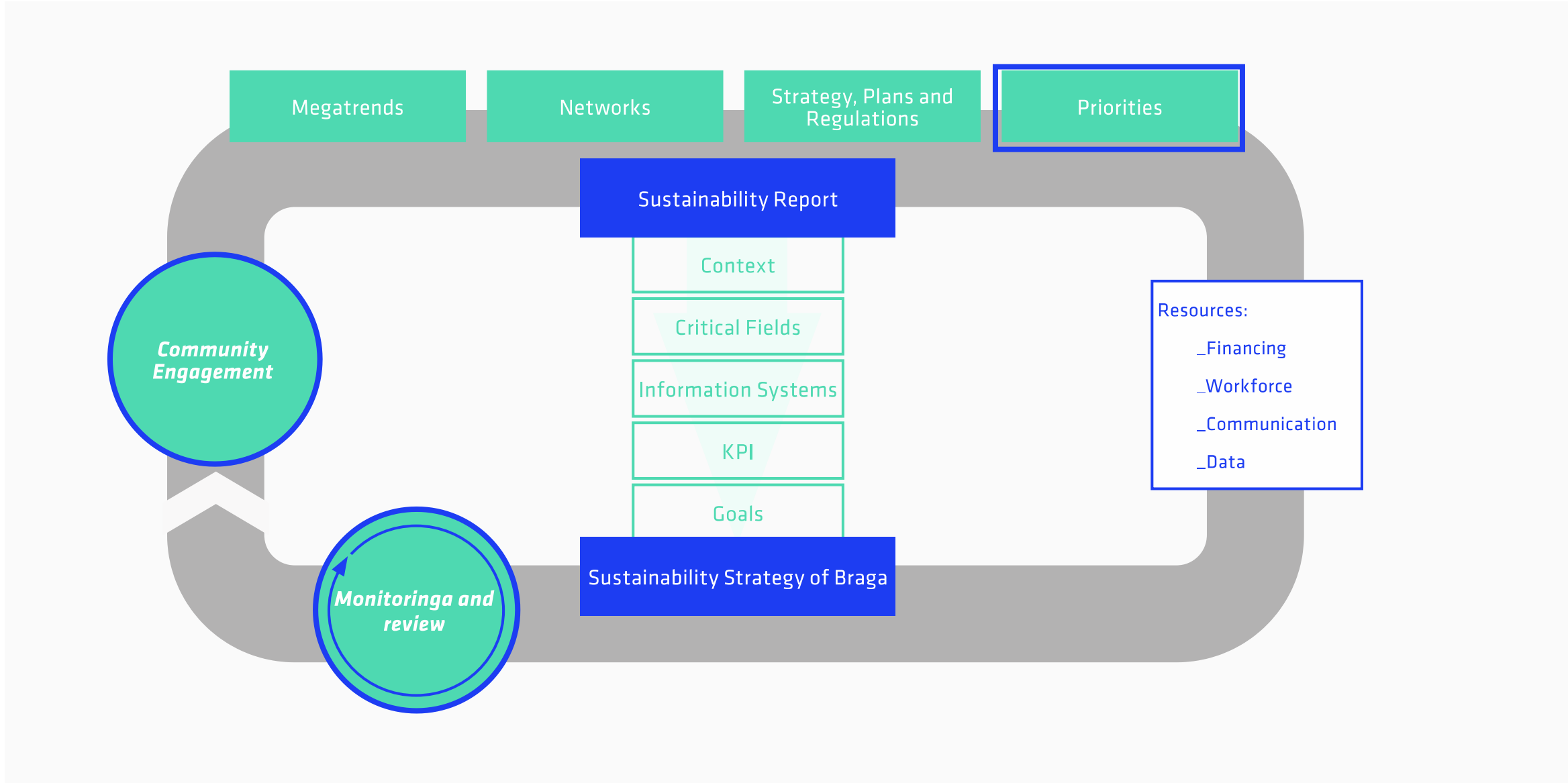
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



HOW WE PLAN THE FUTURE

STRATEGIC MODEL



Demographic Dynamics

Citizens expectations



Trend



Extremme relevant



Very relevant



Relevant



High level impact trend



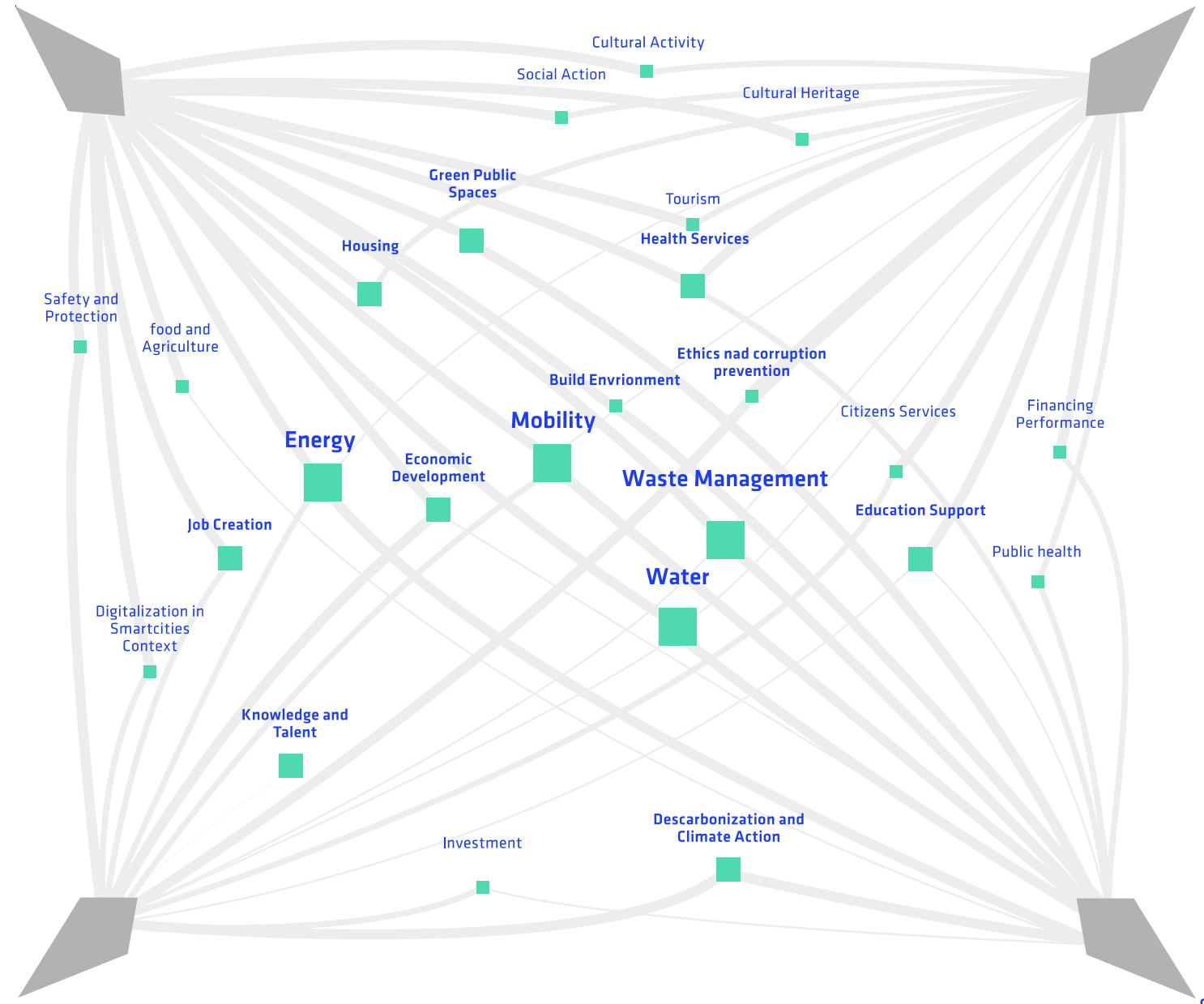
High impact trend



Impact trend

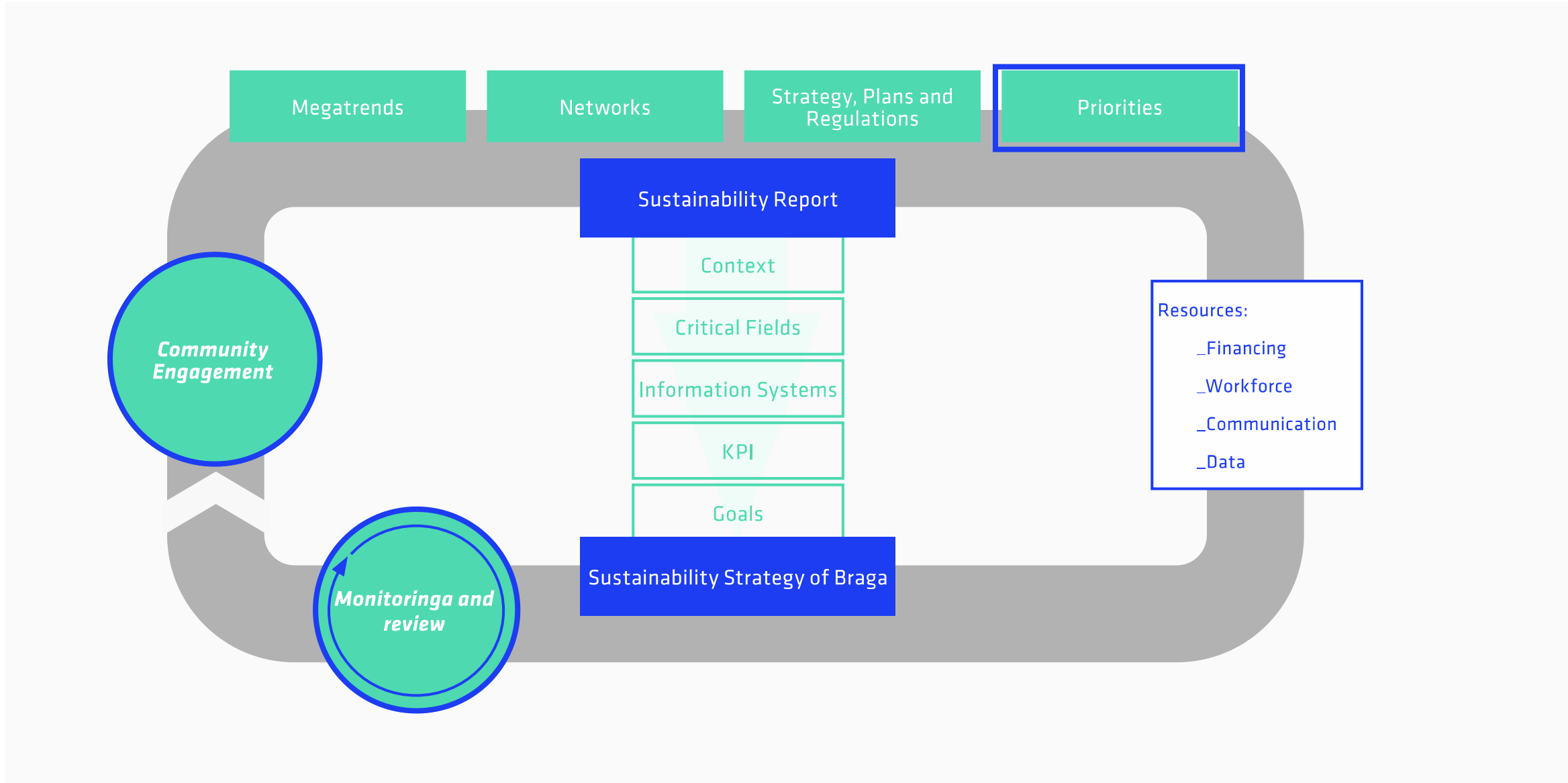
Digitalization

Climate emergency



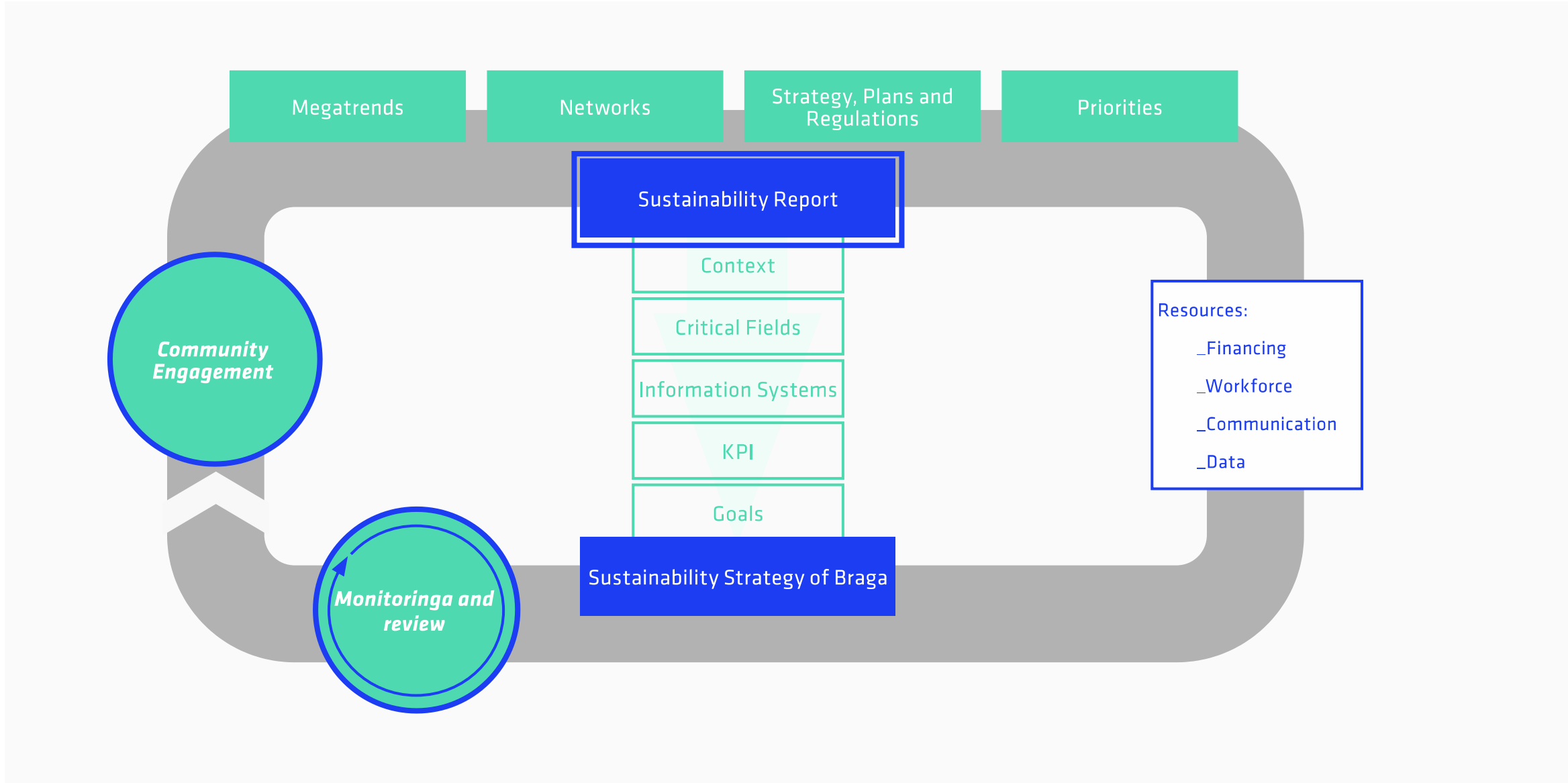
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



HOW WE PLAN THE FUTURE

STRATEGIC MODEL



MORE THAN 100 INDICATORS

STRATEGIC MODEL

Santuário do Bom Jesus
UNESCO
Cultural Heritage

Emissions
-10%
no total das emissões de CO₂ face a 2015

Emissions
-10%
por atividade exportadora

Energy
-56%
em edifícios públicos face a 2015

Energy
-5%
em energia em iluminação p. face a 2015

More transparent Municipality
1.th
DYNTRA
Ranking da Transparência

Proverty Risk
-10%
na taxa de risco de pobreza

Culture
1,4M
Expectadores em eventos

Housing
3065
pessoas abrangidas por apoios

Water
100%
da população abrangida

Public Transports
170km
de sistema disponível

Public Transports
+11%
do número de viagens per capita

Emissions
1/4
das emissões de CO₂ evitadas em 2019 face a 2015

Bicycle
90
lugares de estacionamento convertidos

Best european Destination
1.th
European Best Destinations

Culture
+6%
visitantes aos museus do concelho

Education
+26%
de alunos por computador

100 best cities fighting Climate Change
A List Leadership
Carbon Disclosure Project

Quinta Pedagógica
+29%
visitantes

Solid Watse
94%
população abrangida

Economy
+36%
no valor das compras

Economy
+9%
remuneração média

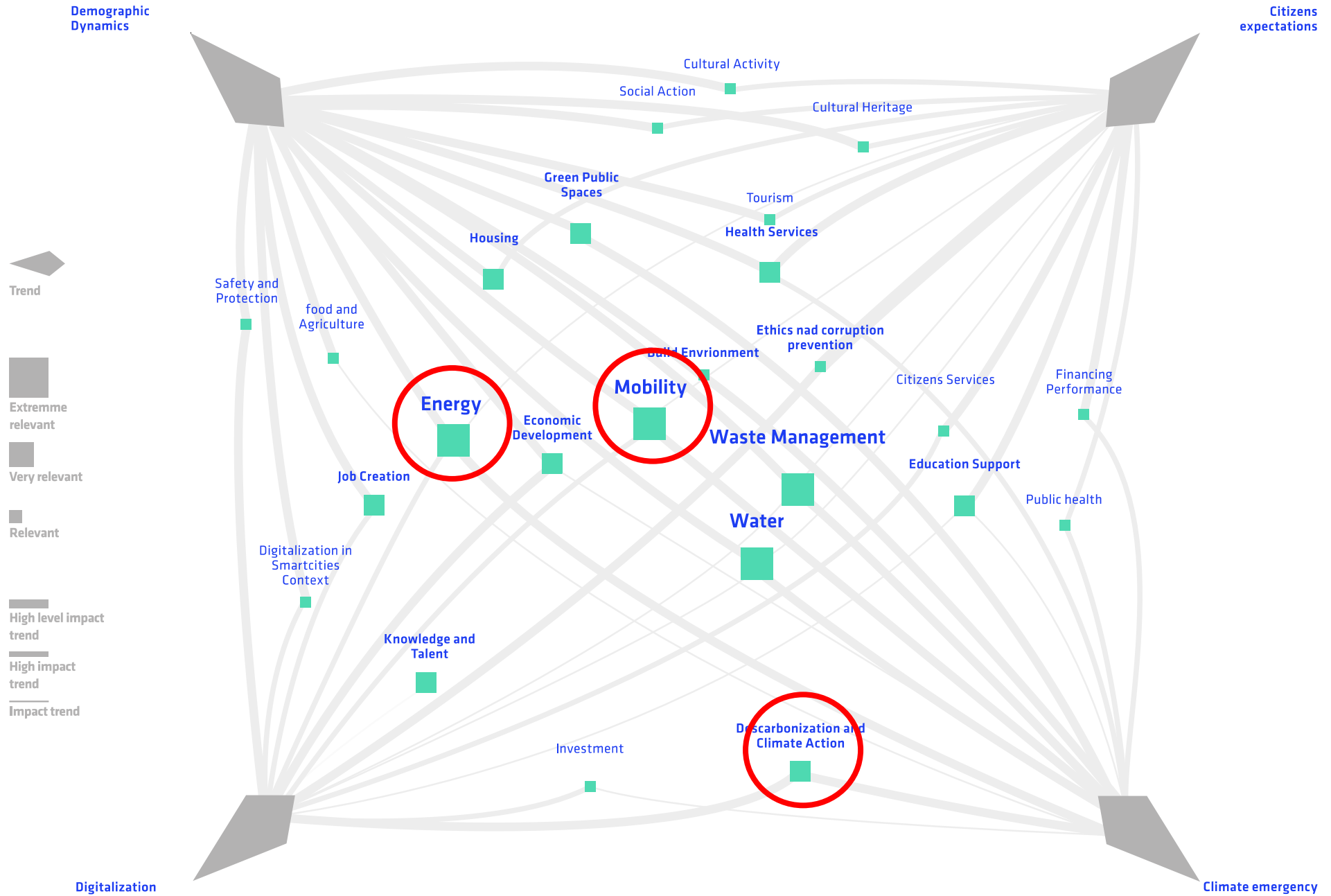
Índice de Sustentabilidade Municipal CESOP
69%
Objetivos para o Desenvolvimento Sustentável concretizados

Participatory Budgeting
24
projetos aprovados

Economy
+15%
criação de novas empresas

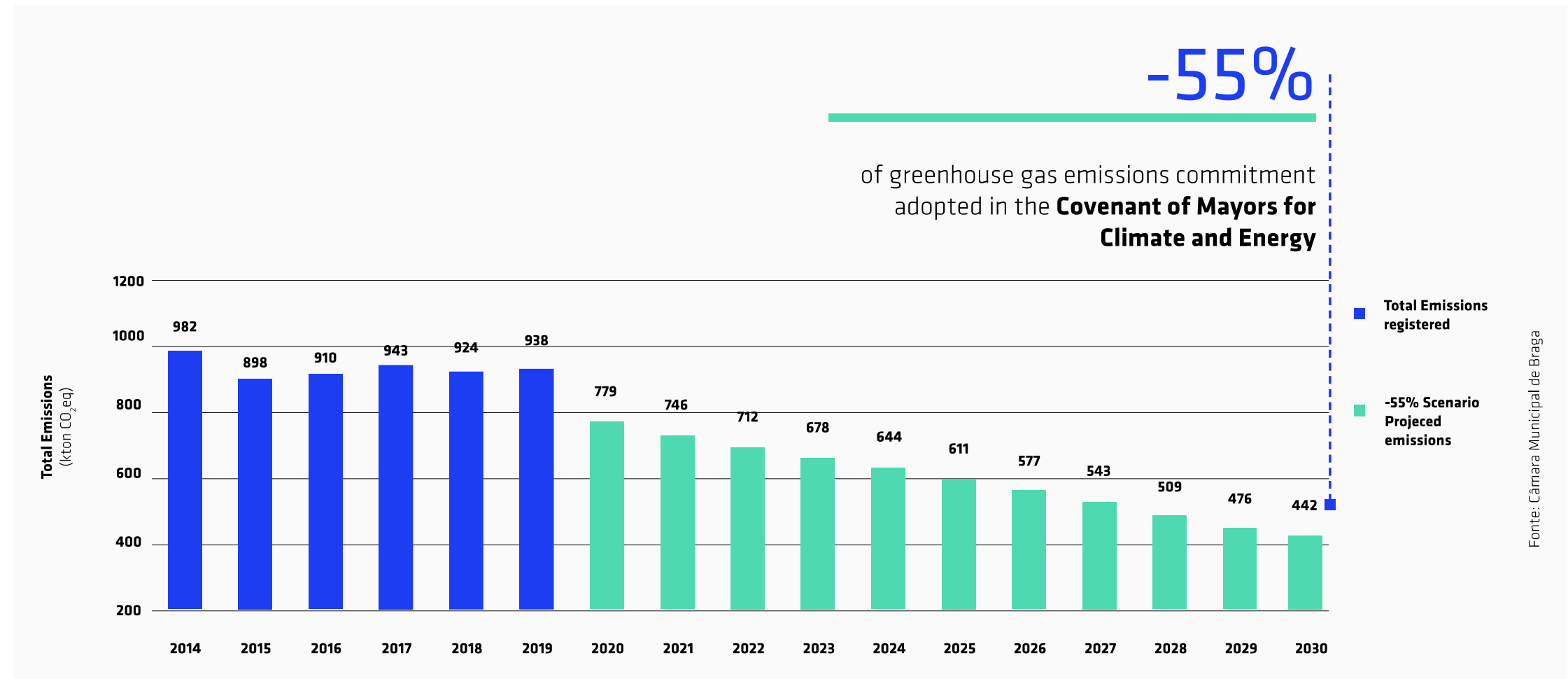
Energy Efficiency
-12%
no consumo de eletricidade face a 2015

Environment Education
2x
Ações de educação ambiental



PREPARING THE CARBON NEUTRALITY

CLIMATE ACTION

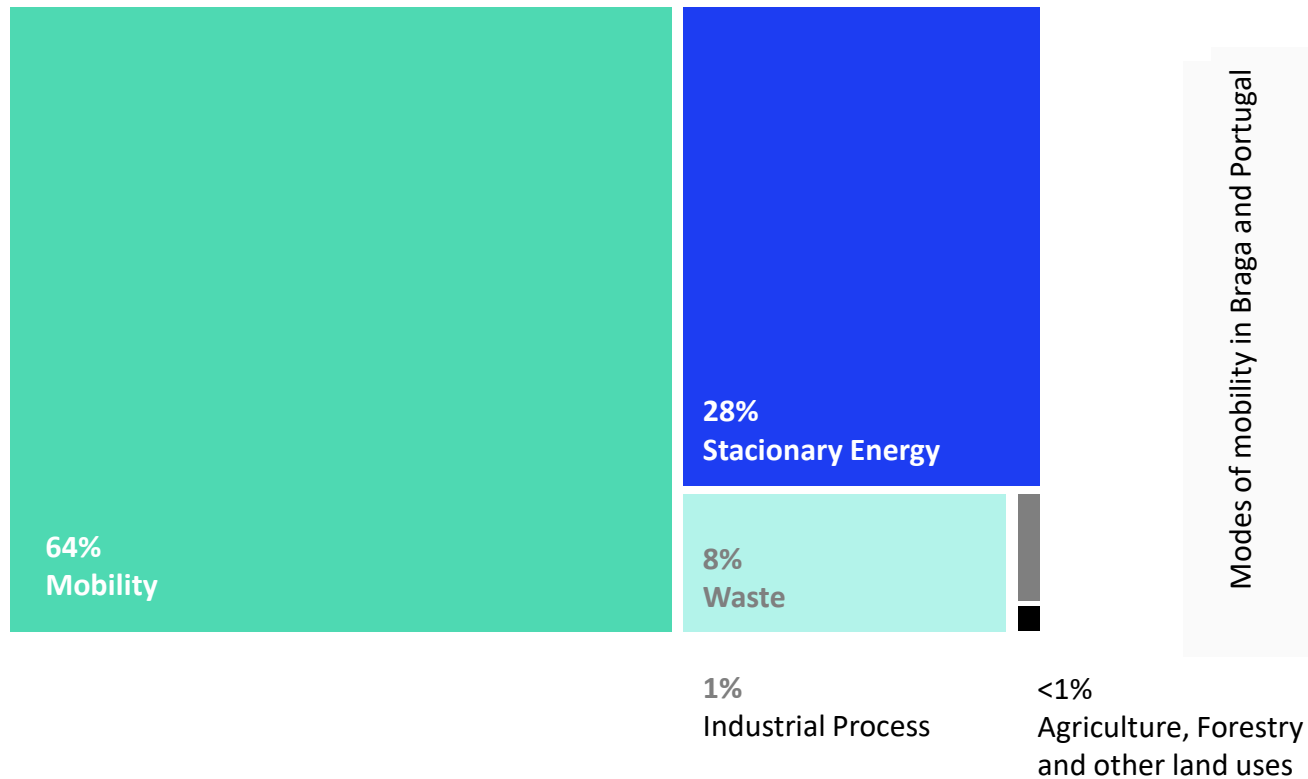


PREPARING THE CARBON NEUTRALITY

CLIMATE ACTION

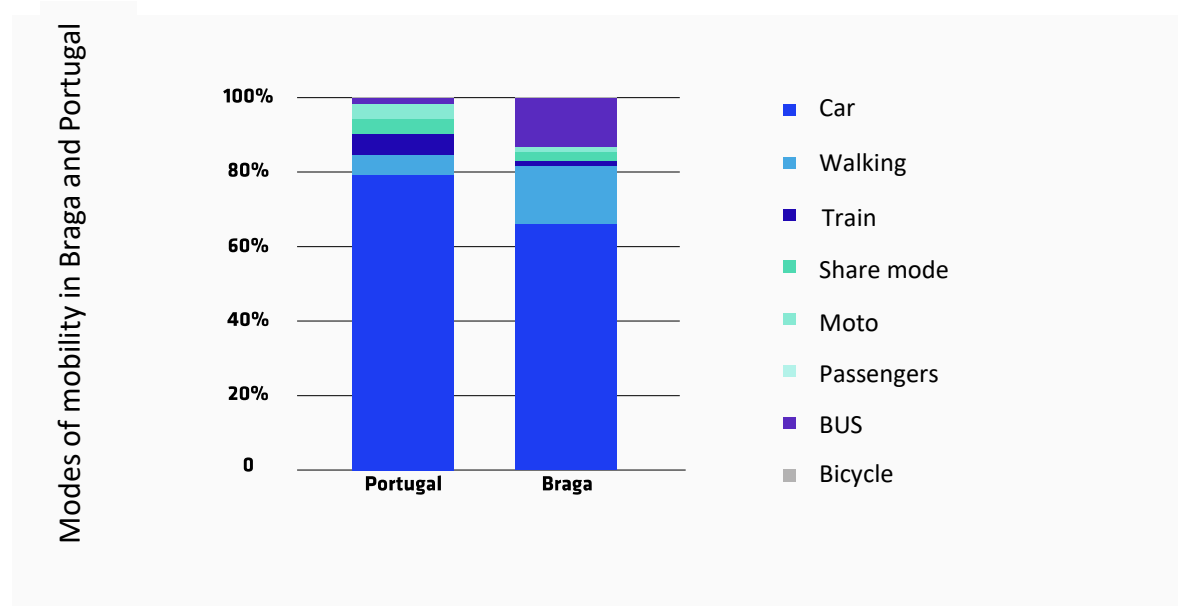


Emissions by activity



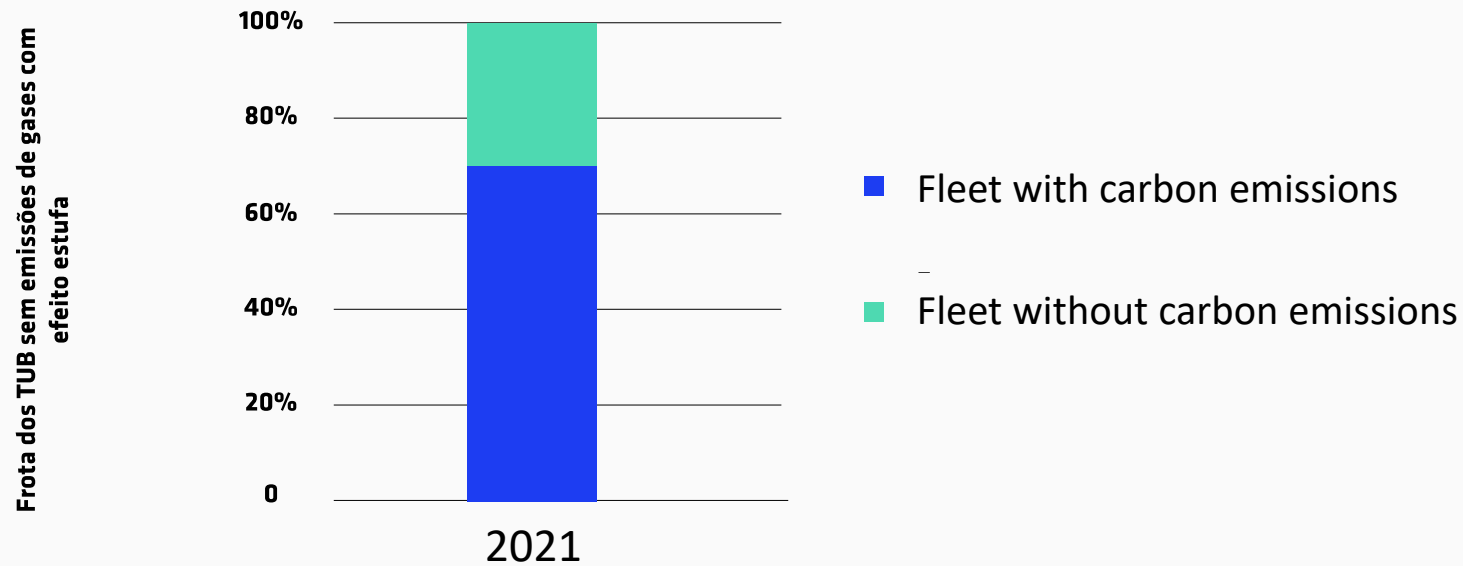
9,96 km

Cycleable extension



PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY

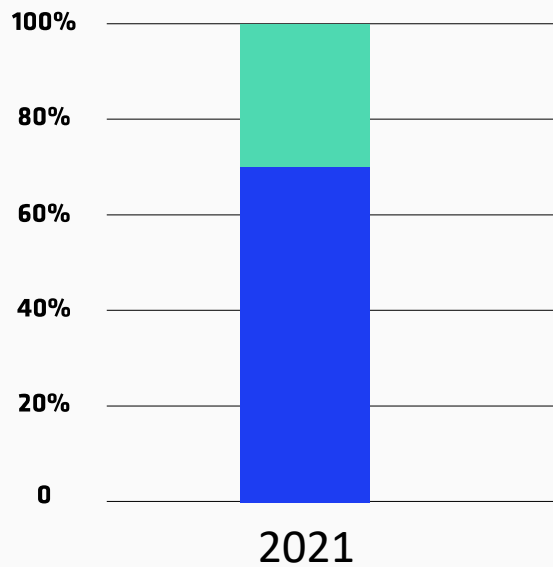


PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



Frota dos TUB sem emissões de gases com efeito estufa



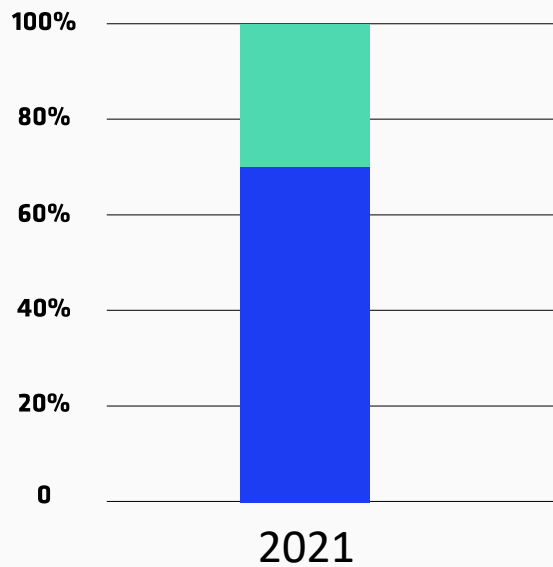
- Fleet with carbon emissions
- Fleet without carbon emissions

PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



Frota dos TUB sem emissões de gases com efeito estufa

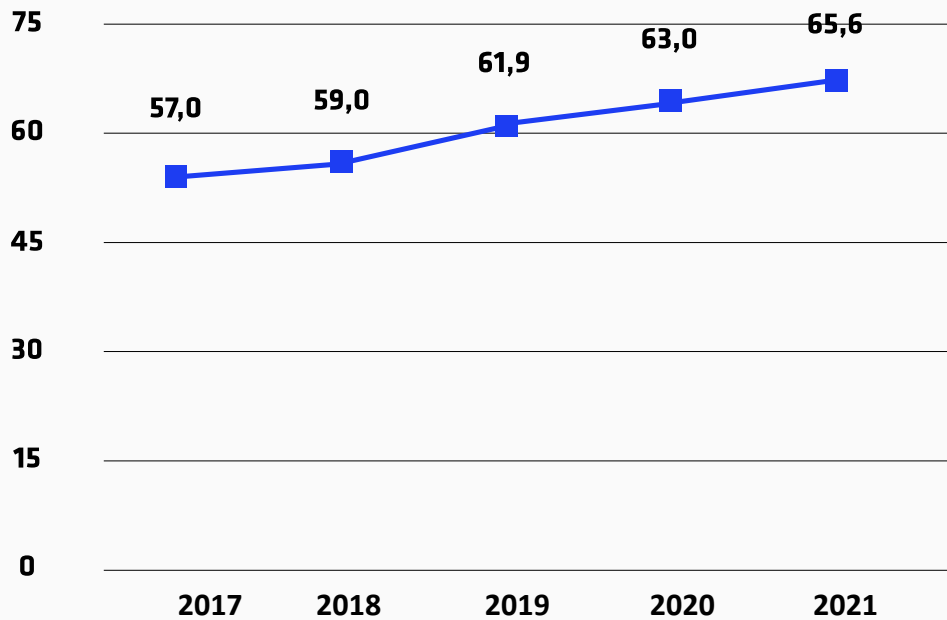


- Fleet with carbon emissions
- Fleet without carbon emissions



PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



■ Número anual de viagens de transportes público *per capita*



PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



150 million

Bus Rápido Transport in Braga at 2025

PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



+50 companies

Sustainable Mobility Pact for Companies



PREPARING THE CARBON NEUTRALITY

SUSTAINABLE MOBILITY



+50 companies

Sustainable Mobility Pact for Companies

negocios
Sustentabilidade
20  30



BEST INTERNATIONAL PRACTICES

REPORTING

SUSTAINABILITY REPORT OF THE MUNICIPALITY OF BRAGA

Global Reporting Initiative – “Comprehensive” option



ISO 37120:2018



GHG Protocol Corporate Accounting and Reporting

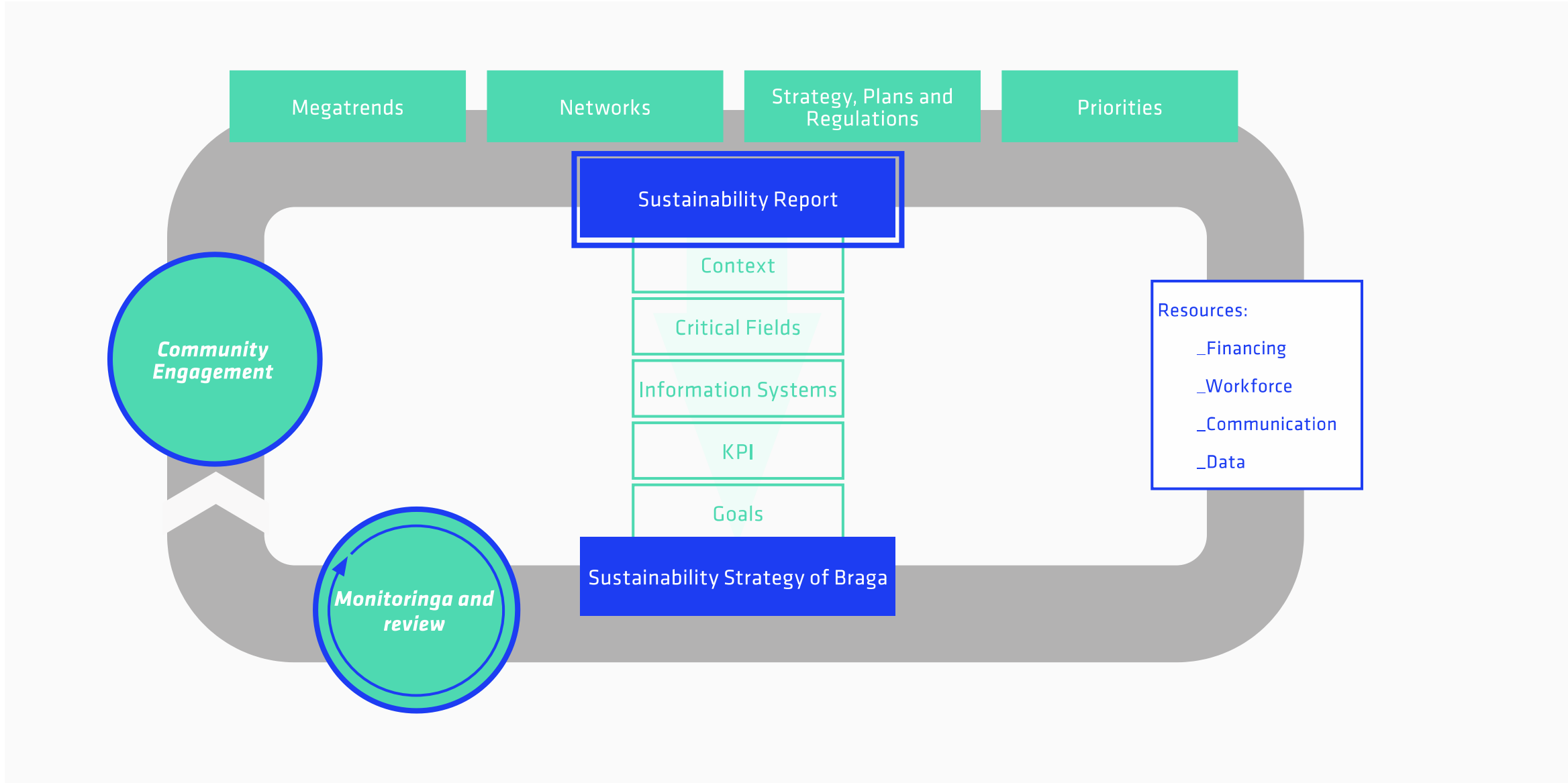


GHG Protocol for Cities



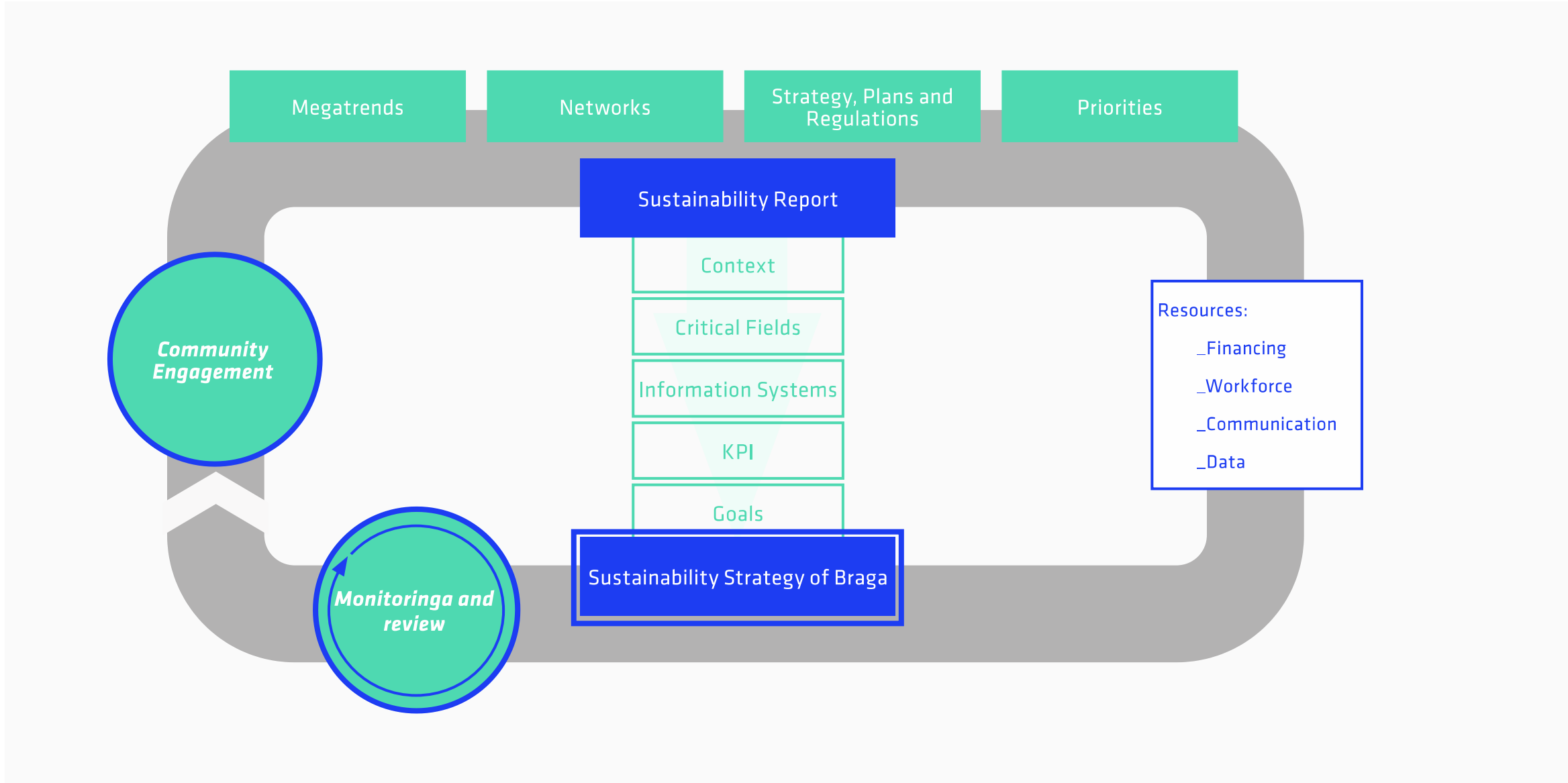
HOW WE PLAN THE FUTURE

STRATEGIC MODEL



HOW WE PLAN THE FUTURE

STRATEGIC MODEL



UNIVERSITY OF MINHO - IB-S

PROTOCOL

University of Minho is considered one of the 100 best universities in the world in terms of sustainability

- UI Green Metric 2020
- Times Higher Education SDG Impact Ranking 2020

Objetive:

constitution of multidisciplinary and multisectoral teams that bring together various areas of municipal activity and research at the IB-S



INSTITUTIONALIZE SUSTAINABILITY

10 STRATEGIC ACTIONS

ACTION 1

ESTABLISH THE DIRECTOR PLAN AS A FUNDAMENTAL INSTRUMENT

ACTION 2

PROMOTE THE ADOPTION OF SUSTAINABLE INCENTIVE POLICIES

ACTION 3

IMPLEMENT A TRAINING POLICY ON THE SDGS

ACTION 4

IMPLEMENT AN INNOVATION LABORATORY FOR THE SDGS

ACTION 5

INTEGRATE THE SDGS INTO MUNICIPAL COMPETENCES

ACTION 6

STRENGTHEN THE ROLE OF MUNICIPAL COMPANIES IN BRAGA

ACTION 7

INTEGRATE THE SDGS IN BRAGA'S MAJOR EVENTS

ACTION 8

FOSTER MULTI-LEVEL COOPERATION FOR SUSTAINABLE DEVELOPMENT

ACTION 9

STRUCTURE THE SDGS IN THE REPORTING SYSTEM

ACTION 10

GUARANTEE FINANCING OF THE 2030 AGENDA THROUGH THE MUNICIPAL BUDGET

CHRONOLOGICAL PROGRAM

ACHIEVE A AGENDA 2030

principais resultados da
do Estratégico para o
antável. O VLR será
estão que permitirá
seu desempenho em
idade.



Implementation of a
Strategic Plan

Monitorisation and
adjustments for
Sustainable Development

Port
Sustai.F
and V

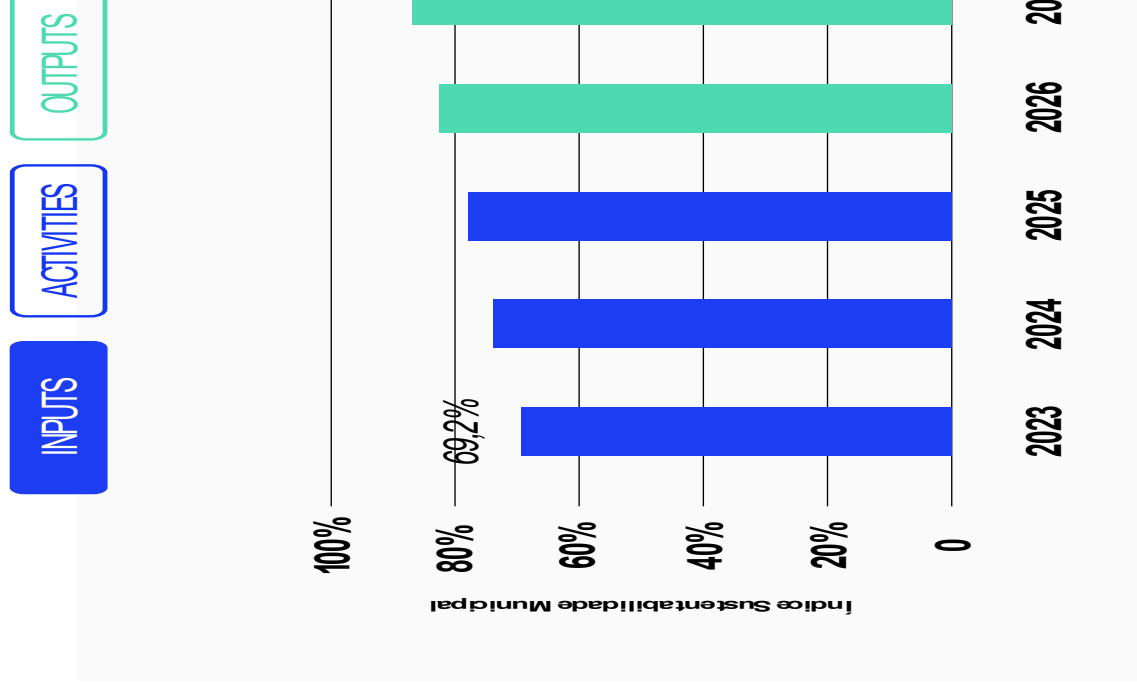


avaliada regularmente, de modo a garantir que o plano está a ser implementado
objetivos definidos.

A implementação do Plano Estratégico para
o Desenvolvimento Sustentável do Município
de Braga abordará a Teoria da Mudança por
via de ações e de atividades nas duas fases:

- Fase 1 (2023-2025):** Implementação das
ações por via de ações e de atividades.
- Fase 2 (2026-2030):** monitorização da
implementação, perceber os outcomes e o
impacto das atividades e ajustar o rumo
para a concretização da Agenda 2030.

Em ambas as fases, o município irá
monitorizar a implementação do Plano
Estratégico para o Desenvolvimento
Sustentável através do Relatório de
Sustentabilidade e do VLR. O Relatório
de Sustentabilidade será um documento
que apresenta os principais resultados da



HOW WE PLAN THE FUTURE

STRATEGIC MODEL

