

PREPARE



1. Public administration capacity building in social innovation for climate neutrality

1.1 PA skills development

with courses and workshops on social innovation for sustainability

Cases: [City experiment fund](#); Positive Energy Districts

Scientific references: [Baer et al. 2021](#); [Diepenmaat et al. 2020](#); [Creutzig et al. 2022](#); [WEF Report \(2013\)](#)

Indicators

SI1.1.1 Social Innovation skills development activities



SI1.1.2 PA Social Innovation skills development

1.2 Network of experts

in social innovation for climate neutrality to which the municipality has access

Cases: City-studio (Spain)

Scientific references: [Terstriep et al., 2020](#)

Indicators

SI1.2.1 Number of social Innovation experts



2. Social innovation in the Transition Team and in the city's action plan

2.1 Establishment of Transition Team with social innovation competence

with cross-departmental members

Cases: [PentaHelix](#)

Scientific references: [Ceschin & Gaziulusoy, 2016](#); [World Economic Forum Report, 2013](#)

Indicators

SI2.1.1 Number of social innovation experts in the Transition Team



2.2 Embedding social innovation in the city's CCC and Action Plan

Cases: [Barcelona co-creating a climate plan with citizens \(Spain\)](#);

[Just Transition Listening Platform \(Spain\)](#)

Scientific references: [Castro-Spila et al., 2016](#); [Ceschin & Gaziulusoy, 2016](#); [Hrčica et al., 2021](#);

[Terstriep et al., 2020](#); [Vob, J. P., & Bornemann 2011](#); [World Health Organization, 2011](#)

Indicators

SI2.2.2 Social innovations in the city strategy



2.3 Development of the city's media strategy

on social innovation for climate neutrality

Cases: Framing the Sun (Canada)

Scientific references: [Cole, 2021](#); [Rosenbloom et al., 2016](#)

Indicators

SI2.3.1 Media strategy on SI for sustainability



3. Funding for social innovation initiatives

3.1 Sourcing of funding

to finance social innovation initiatives for climate neutrality

Cases: [Sonnet Bristol City lab](#); [You decide](#); [Antwerp participatory budgeting](#); [Mannheim](#); [Just Transition Fund](#); [City experiment funds](#)

Scientific references: [Hrčica et al., 2021](#); [Terstriep et al., 2020](#); [World Economic Forum Report, 2013](#)

Indicators

SI3.1.1 Funds for social innovation



ACT



4. Citizens' capacity building in social innovation

4.1 Social innovation training

provided by the city or partners, to citizens, companies, NGOs personnel, schools or other entities

Cases: [City experiment funds](#); [Positive Energy Districts](#)

Scientific references: [Baer et al. 2021](#); [Diepenmaat et al. 2020](#); [Creutzig et al. 2022](#); [WEF Report, 2013](#)

Indicators

SI4.1.1 Citizens' social Innovation skills development



SI4.1.2 Social Innovation initiatives created



5. City social innovation mapping/observatory

5.1 Mapping of cities' existing social innovations

and potential partners in a dedicated map or platform (observatory)

Cases: [Florianopolis](#)

Scientific references: [Andion et al., 2021](#); [Morais da Silva et al., 2016](#)

Indicators

SI5.1.1 Presence of a Social innovation observatory



SI5.1.2 Number of mapped social innovations



6. City social innovation policies

6.1 Development of a portfolio of policies

to support social innovation for climate sustainability. Policies can be created together with citizens and urban stakeholders.

Cases: [Bologna](#); Milan; Apulia; [PentaHelix](#); Spain food waste policies

Scientific references: [Hrčica et al. 2021](#); [Moore et al., 2015](#); [Ostfeld & Reiner, 2020](#); [Schartinger et al., 2017](#); [Selloni & Manzini, 2016](#); [Terstriep et al., 2020](#); [World Economic Forum Report, 2013](#)

Indicators

SI2.2.2 Policies that support social innovation for climate sustainability



SI6.1.2 Policies co-creation

6.2 The municipality actively seeks the procurement / purchase of solutions and goods

that meet the criteria of social innovation (solutions that are social in the means and in the end)

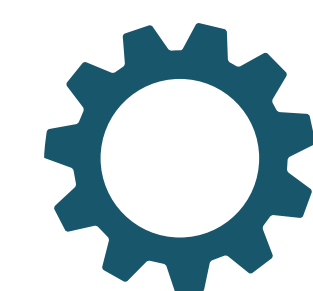
Cases: [Oslo Public procurement for innovative nature based solutions](#);

Manchester; Wrocław; Turin

Scientific references: [Mačiulytė & Durieux, 2020](#); [World Economic Forum Report, 2013](#)

Indicators

SI6.2.1 Percentage of social innovation procurement



7. Co-creation platforms and environments established by the public administration

7.1 Co-creation platforms and environments

established by the PA: SI and living lab; SI platform, incubator, accelerator, and dedicated places; networking events

Cases: [Bristol City Lab](#); [Mannheim](#); [Nappi Naapuri](#); [Bologna](#); [El dia despues](#); [Just transition listening platform](#)

Scientific references: [Andion et al., 2021](#); [Hrčica et al., 2021](#); [Morais da Silva et al. 2016](#); [Puerari et al., 2018](#); [Selloni D., 2017](#); [Terstriep et al., 2020](#); [The Economist Intelligent Unit, 2013](#)

Indicators

SI7.1.1 Social innovation infrastructure



7.2 The city shares open data to support citizens' initiatives development, & involves them in data collection

Cases: UK government transparency open data policy

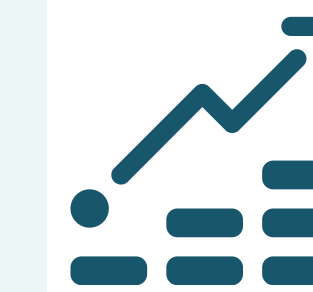
Scientific references: [The Economist Intelligence Unit, 2013](#); [Wuebben et al., 2020](#)

Indicators

SI7.2.1 City provides open data



ACCELERATE



8. Incubating and accelerating social innovations

8.1 Social innovation incubator

established by the PA which provides training, mentoring, infrastructures (places for co-working) and seeding (start-up funds), with the aim to activate actors to initiate and sustain social innovations for climate sustainability

Cases: [Impact Hub](#); [Torino](#); [Bristol City Lab](#); [Mannheim City Lab](#); [Wiener Klimateam](#)

Scientific references: [Bögel et al., 2022](#); [Corubolo & Meroni, 2015](#); [Meroni, 2019](#); [Nicolapoulou et al., 2017](#); [Moore et al., 2015](#); [Murray et al., 2010](#); [Rizzo et al., 2020](#); [Tjahja, 2021](#); [Westley & Antadze, 2010](#); [Westley et al. 2014](#); [World Economic Forum Report, 2013](#); [World Health Organization, 2010](#)

Indicators

SI8.1.1 Inclusion and collaboration



SI8.1.2 SIs funded with PA business seeding

SI8.1.3 Sustaining social innovations

SI8.1.4 Participation to social innovations

SI8.1.5 Measuring the impact of SI

SI8.1.6 Inclusion of minorities

SI8.1.7 Targeting minorities

8.2 Social innovations accelerator

which provides training, support and funding to scale existing social innovations for climate neutrality

Cases: [Clean Cities ClimAccelerator](#); [VeniSIA](#)

Scientific references: [Gabriel, 2014](#); [Haskell et al., 2021](#); [Kern, 2019](#); [Massaro et al., 2022](#); [Moore et al., 2015](#); [Westley & Antadze, 2010](#); [Westley et al., 2014](#)

Indicators

SI8.2.1 SI scaling or mentoring program



SI8.2.2 SI initiatives funded for scaling

SI8.2.3 Most successful SI initiatives

SI8.2.4 Social innovation replication



9. Co-creation and cross-sector partnerships

9.1 Cross-sector partnerships

between PAs, companies, NGOs, universities, governmental organizations, etc., to address climate neutrality (stationary energy, energy generation, mobility & transport, green industry, circular economy, nature-based solutions) and social inclusion

Cases: [Malmo](#); [Zagreb](#)

Scientific references: [Gregg et al., 2020](#)

Indicators

SI9.1.1 Cross-sector partnerships for climate neutrality



SI9.1.2 Cross-sector partnerships' contribution to climate neutrality

9.2 The municipality initiates the co-creation of SI initiatives

for climate neutrality together with citizens, local companies, NGOs or other local organizations, to address climate neutrality (stationary energy, energy generation, mobility & transport, green industry, circular economy, nature-based solutions) and social inclusion

Cases: [Better Reykjavik](#); [KLIK](#)

Scientific references: [Chilvers & Longhurst, 2016](#)

Indicators

SI9.2.1 Social innovation initiatives co-created by the PA to address climate neutrality



10. SI included in systemic innovation

10.1 PA top-down initiatives to reconfigure the system

to support climate neutrality through a portfolio of social innovation initiatives (i.e., urban spaces design, circular economy, etc.)

Cases: [Paris 15 minute city](#); [Mannheim](#)

Scientific references: [Bolwig et al., 2020](#); [Creutzig et al., 2022](#); [Grottera et al., 2020](#); [Hoppe & De Vries, 2019](#); [Mukai et al., 2022](#); [Rebaglio et al., 2022](#); [Seppala, 2021](#); [Schanes et al., 2016](#)

Indicators

SI10.1.1 Reflexive learning on Systemic change



10.2 PA deploys co-creation and people-centered design

to leverage SI for achieving systemic change toward climate neutrality, i.e., in co-creating urban planning and city's circular economy

Cases: [Viable Cities](#); [Blok 19 Renewal Program](#); [Vitoria-Gasteiz](#); [Wiener Klimateam](#)

Scientific references: [Camocini et al. 2015](#); [Wolfram & Frantzeskaki, 2016](#)

Indicators

SI10.2.1 PA deploys people-centered design for systemic change

