

<b>Connection with SDGs</b>	SDG 10 Reduced inequalities, SDG 11 Sustainable cities and communities, SDG 16 Peace, justice and strong institutions, SDG 17 Partnerships for the goals
<b>Opportunities for participatory data collection</b>	Participatory data collection is the core of this metric
<b>Additional information</b>	
<b>References</b>	Arnstein, S.R. (1969). A ladder of citizen participation. Journal of the American Planning Association, 35(4), 216-224.

### 18.3 Involvement of citizens from traditionally under-represented groups

**Project Name:** UNaLab (Grant Agreement no. 730052)

**Author/s and affiliations:** Laura Wendling<sup>1</sup>, Ville Rinta-Hiiro<sup>1</sup>, Maria Dubovik<sup>1</sup>, Arto Laikari<sup>1</sup>, Johannes Jermakka<sup>1</sup>, Zarrin Fatima<sup>1</sup>, Malin zu-Castell Rüdénhausen<sup>1</sup>, Peter Roebeling<sup>2</sup>, Ricardo Martins<sup>2</sup>, Rita Mendonça<sup>2</sup>

<sup>1</sup> VTT Technical Research Centre Ltd, P.O. Box 1000 FI-02044 VTT, Finland

<sup>2</sup> CESAM – Department of Environment and Planning, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

Participation of vulnerable or traditionally under-represented groups	Social Justice and Social Cohesion Participatory Planning and Governance
<b>Description and justification</b>	<p>Definitions of “vulnerable” and “under-represented” groups in society vary somewhat, but in general the following groups can be considered vulnerable to discrimination and/or under-represented:</p> <ul style="list-style-type: none"> <li>Women and girls</li> <li>Children</li> <li>Refugees</li> <li>Internally displaced persons</li> <li>Stateless persons</li> <li>National minorities</li> <li>Indigenous peoples</li> <li>Migrant workers</li> <li>Disabled persons</li> <li>Elderly persons</li> <li>HIV positive persons and those suffering from AIDS</li> <li>Roma/Gypsies/Sinti</li> </ul>

	<p>Lesbian, gay, bisexual, transgender, queer, and differently gendered people (LGBTQ+)</p> <p>Particular effort is necessary to ensure that these groups receive equal representation and opportunity to become involved in NBS projects. Specifically engaging vulnerable and/or under-represented groups in NBS projects enhances social cohesion and diversity whilst tapping into underdeveloped social capital.</p>
<b>Definition</b>	The extent to which the NBS project has led to the increased participation by groups of people who are typically not well represented in the society.
<b>Strengths and weaknesses</b>	<p>+ The indicator gives useful data for reducing inequalities</p> <p>+ Easy to use</p> <p>- May not provide a holistic assessment</p>
<b>Measurement procedure and tool</b>	<p>The participation of vulnerable or traditionally under-represented groups in NBS projects or specific NBS project activities can be qualitatively assessed using a five-point Likert scale:</p> <p><b>Not at all – 1 – 2 – 3 – 4 – 5 – Excellent</b></p> <ol style="list-style-type: none"> <li>1. Not at all: the project has not increased participation of groups not well represented in society.</li> <li>2. Poor: the project has achieved little when it comes to participation of groups not well represented in society.</li> <li>3. Fair: the project has somewhat increased the participation of groups not well represented in society.</li> <li>4. Good: the project has significantly increased the participation of groups not well represented in society.</li> <li>5. Excellent: Participation of groups not well represented in society has clearly been hugely improved due to the project.</li> </ol> <p>Information used to evaluate the performance of a particular NBS project with regard to the participation of vulnerable or traditionally under-represented groups can be obtained from project documentation and/or interviews with the project leaders and stakeholders (including representatives of the groups targeted).</p>
<b>Scale of measurement</b>	District to metropolitan scale

<b>Data source</b>	
<b>Required data</b>	Information used to evaluate the performance of a particular NBS project with regard to the participation of vulnerable or traditionally under-represented groups can be obtained from project documentation and/or interviews with the project leaders and stakeholders (including representatives of the groups targeted).
<b>Data input type</b>	Qualitative
<b>Data collection frequency</b>	Before and after implementation of the NBS project
<b>Level of expertise required</b>	Moderate
<b>Synergies with other indicators</b>	Synergies with indicator group <i>Participatory Planning and Governance</i> indicators
<b>Connection with SDGs</b>	SDG 10 Reduced inequalities
<b>Opportunities for participatory data collection</b>	No opportunities identified
<b>Additional information</b>	
<b>References</b>	Bosch, P., Jongeneel, S., Rovers, V., Neumann, H.-M., Airaksinen, M., & Huovila, A. (2017). CITYkeys indicators for smart city projects and smart cities. CITYkeys D1.4. Retrieved from <a href="http://nws.euocities.eu/MediaShell/media/CITYkeys/D14Indicatorsforsmartcityprojectsandsmartcities.pdf">http://nws.euocities.eu/MediaShell/media/CITYkeys/D14Indicatorsforsmartcityprojectsandsmartcities.pdf</a>

## 18.4 Active engagement of citizens in decision-making

**Project Name:** UNaLab (Grant Agreement no. 730052)

**Author/s and affiliations:** Laura Wendling<sup>1</sup>, Ville Rinta-Hiiri<sup>1</sup>, Maria Dubovik<sup>1</sup>, Arto Laikari<sup>1</sup>, Johannes Jermakka<sup>1</sup>, Zarrin Fatima<sup>1</sup>, Malin zu-Castell Rüdénhausen<sup>1</sup>, Peter Roebeling<sup>2</sup>, Ricardo Martins<sup>2</sup>, Rita Mendonça<sup>2</sup>

<sup>1</sup> VTT Technical Research Centre Ltd, P.O. Box 1000 FI-02044 VTT, Finland

<sup>2</sup> CESAM – Department of Environment and Planning, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

Active engagement of citizens in decision-making	Participatory Planning and Governance
<b>Description and justification</b>	Participatory or inclusive governance, wherein municipalities partner with citizens to develop and manage solutions to contemporary challenges, focuses on