The United Nations Sustainable Development Goals (SDGs) have set the 2030 Agenda to transform our world by tackling multiple challenges humankind is facing and ensure well-being, economic prosperity and environmental protection. The attainment of the SDG Agenda will greatly depend on whether the identified synergies among the goals can be leveraged to ‘all’ members of society including minorities (most vulnerable populations). In contrast to conventional development agendas that focus on more restricted set of dimensions, this study uses the SDGs as a common language to educate the most vulnerable members of society by using a number of tailored made solutions and interdisciplinary guideline approaches. More specifically, the research advocates for education towards a common language that can be easily replicated and implemented across a multitude of system boundaries. Within this framework, the project “Urban Metabolism and Minority Pulse: an education and awareness campaign targeting minority groups” has been developed in collaboration between the Department of Architecture and Urban Studies, at Politecnico di Milano (POLIMI), and Metabolism of Cities, a nonprofit organization, open data source hub centered around urban metabolism studies. The pilot was developed in 2 phases: (1) The pilot phase was developed between April-May 2017 and consisted of a campus-wide awareness initiative at POLIMI advocating for the creation of an interdepartmental network of students, researchers, and professionals studying sustainability development issues (social, environmental and economy). (2) In the period June-July 2017, the second phase was implemented through several community-based tailor made workshops and educational programs targeting minority groups. As a part of the slogan ‘no one should be left behind’ this study designs a set of methodology, tailored criteria guidelines to educate and develop awareness on themes related to climate change policies, resource consumption behaviors and environmental effects with reference to SDG12 and SDG13, respectively. Target minority population includes disabled people, children, elderly, students and academics, refugees and homeless, LGBTI+, and women. The study aim is twofold: (i) a methodological description approach of minority targets and an example guide explaining how to use components. (ii) A replicable policy toolkit to assist academia and professionals on how to integrate campus-wide awareness towards sustainable campus campaign initiatives targeting minorities through a public and private partnership collaboration, ICT network, and monitoring SDG progress system (monthly report card/score card). The policy guidelines contains a set of tailored methodology actions, information on target populations, key considerations, and policy implementation (sustainable development research oriented to achieve the Agenda 2030). (3) The third phase of the policy toolkit expects to assist education institutions and academia in advancing sustainability-oriented strategies through a collaboration by the GI-REC (Global Initiative for Resource Efficient Cities*)