



Metropolitan City of Reggio Calabria
Department 5 - Vocational Training



Project for the Metropolitan Agenda for Sustainable Development in implementation of the National and Regional Strategy 2030

VOLUNTARY LOCAL REVIEW 2022

Metropolitan City of Reggio Calabria
Department 5 – Professional Training



FOREWORD

The VLR report presented stems from the experience of the activities carried out during the implementation of the pilot project "RC Metro Citizens in Transition", for the Metropolitan Agenda for Sustainable Development (AMSvS) of the Metropolitan City of Reggio Calabria (Agreement ex MATTM DG-SVI today MiTe and Metropolitan City of Reggio Calabria). It recounts the impacts in terms of the transfer of the National Strategy, the achievement of the project's objectives and the future trends that have emerged with the advancement of the initiatives that have involved levels of institutional governance, the involvement of citizenship, with different generational and social profiles, in innovative experiences of training and co-design, experimentation on assessment models and the launch of practices for the "policy coherence" on the territorial investments planned through the planning tools, such as the PSM - Metropolitan Strategic Plan.

The project, in the course of the pilot actions and their implementation, lasted about 29 months, from February 2020 to May 2022, including breaks for the pandemic crisis; it was promoted from its inception by Sector 5 of the Metropolitan City of Reggio Calabria - Professional Training and Community Policies, with the technical-scientific assistance in agreement with the ABITAlab laboratory of the Department of Architecture and Territory of the Mediterranean University of Reggio Calabria. With over 80 activities on its agenda, it has implemented the actions of its programme with in-presence and distance initiatives, shared in networks with other sectors of the Metropolitan City, with other local authorities, with the University, with secondary schools, with associations, with active citizenship and interested professionals. The technical-scientific group took part in all the activities promoted by the National SNSvS Table and in the assistance meetings, sharing the strategy paths of other Metropolitan Cities and the VLR preparation path. (see www.rcmetrocitizensintransition.com)

This VLR, shared with the Directorate and Office - Vocational Training of Sector 5 of the Metropolitan City of Reggio Calabria was edited and described in an original way at the direction of the VNR, by the ABITAlab working group:

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Introduction

Strategy *_Capability and Community in Transition.*

The approach to the shared work of the National Strategy on Sustainable Development, in its double dimension of a global and national strategy for the local implementation of the Agenda2030 and the national collective pathway with the main actors, has taken on a particular significance in the experience of the Metropolitan City of Reggio Calabria, aimed at constructing direct scenarios on the themes of the quality of training and enabling labour, traced as new paths for the social and economic development of the territory and for the better qualification of «communities in transition», identified in the new generations and in all those stakeholders who, in decision-making processes, can favour such a virtuous path towards «the future».

An innovative and experimental experience of a governance model based on 'capability', as a basic and even radical condition for 'transfer, learning and doing' through 'capable' and 'agile' tools and actions. A new participatory dimension, capable of producing an economy of knowledge and welfare for the territories in the South of the country, such as Calabria region and the Metropolitan City of Reggio Calabria, which in the last 10 years have lost 100,000 inhabitants in the regional territory and about 35,000 in the metropolitan area, respectively. Still in Calabria, according to the latest BES-Eurostat data, the unemployment rate records 4 out of 10 young people in a condition of non-employment, with an increase in NEETs and before that a strong trend of school drop-outs. A condition that leads about 35% of the population aged between 25 and 34 to migrate to the North or abroad.

The choice to adopt, through the actions referable to the pillars "People, Prosperity and Peace" for the implementation of the SDGs_ goal 4 and goal 8, "quality education" and "decent work (...)", the vectors of sustainability 2. education and training and 3. Participation for Sustainable Development, has further declined the sought-after conditions of capability, towards an idea of territory, community and future as "common good", in which emerges as urgent the need to seek and operate in scenarios of change on environmental issues, capable of producing impacts on the social and economic dimension, in the overriding need to pursue quality of life, widespread well-being, freedom and every level of justice and social security.

Tactics *_Codesign and Assessment*



They become formidable *tactics for action*, all the tools and operations put in place to govern the processes of knowledge transfer, propositions, exchange and visioning, at the service of the implementation of the SNSvS, in its transfer to a Sustainable Metropolitan Agenda built as a "space of new scenario possibilities", through all the actions promoted with the pilot project. The circular model, applied to design and share scenarios of change (the same one used by the civic ecosystem to narrate itself), guided the entire management model of the pathway. *Codesign and Assessment* became the focus, but also the toolkits that could promote, measure and evaluate the impacts of actions, in their internal and external process effectiveness. The codesign

method been used between all the technical and institutional levels to promote governance, promoted between the different operators and stakeholders, as well as users of Ecosystem 2030 and not least for the level activated with new professional experiences aimed at green jobs, directly related to the young experts involved in the Agenda 2030 process, within the Metropolitan City Council and the University. The Assessment levels, are pursued with the monitoring activities of effectiveness and efficiency of the pilot project (traceability of actions, activities and results), with the technical-

scientific activities on the SNSvS for the contribution to the work on the formulation of the SDGs indicators and finally with the conditions matured in the implementation, assessment and traceability process for coherence policies, on territorial investments in the current experience (start-up - April 2022), with the work conducted for the Metropolitan Strategic Plan. This multilevel strategy finalises the tool of the Sustainability Vectors (according to their latest structuring) and nominates them to become a strategic and open system of scenario evaluation, in which it is possible to monitor and measure the level of implementation and impact of territorial investment project interventions, for the competitive period 2021-2027.

Action Narrative_ VLR to design change scenarios



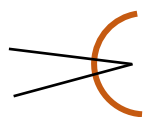
Voluntary Local Review

The VLR proposal, in its elaborative and descriptive report, preserves the narrative character that has characterised the implementation of the 2030 Agenda, at the local-metropolitan scale. Therefore, according to the "jumping scale" method, it narrates the actions, noting their characteristics, methods, levels of involvement and participation of promoters and

recipients, between "performance" and "impact assessment" indicators, it intends to elect the local level as the leadership of the process. The result is a document that wants to be itself an open dialogue in the more contemporary process of implementation of the National SD Strategy and the Metropolitan Agenda, with the ambition of becoming a tool of "narration of different voices and possibilities of action from their own positions", overcoming the concept of reporting by giving back an authentic picture. The description in its parts follows the guiding structure of the VLN and contributes to it with its own "scale" participation, with respect to the national review and is proposed as a voluntary review at the local level, also to provide a positioning document of civil society, Ecosystem 2030 in the pilot project, returning a lived and surveyed report of the state of implementation of the SDGs in general and in particular on the goals pursued, through the projects focused on a metropolitan scale. The review, following this introduction, organises its contents into 5 chapters, 11 paragraphs and 11 subparagraphs accompanied by original infographics drawn up for the VLR; the boxes report on data and information traceable on the pilot project platform and the 5 annexes return processes, methods and project -*outputs of the actions*. Thus, the VLR itself continues to pursue those characteristics of codesign and assessment that have characterised the entire Agenda2030 process.

The Futurist Manifesto VLR

"We are on the extreme promontory of the centuries!" (M.T.Marinetti, translated)



The proposed Futurist VLR Manifesto, as a reminder of the need for a new and urgent time, in its most avant-garde vision of "overcoming the past, dislodging tradition, overturning canons" (cf. avant-garde futurism and M.T.M.), is the metaphor of meaning and figurability most in keeping with the idea of Agenda2030, in the paths as proposed and practised, together with the communities in transition involved in the RC Metrocitizens in Transition pilot project. It is also a digital and hypertextual manifesto with open and traceable content that makes its information immediate and accessible. *«We believe that the time available has become even shorter after the pandemic crisis and with the worsening climate crisis, and we think that the ecological and digital transition cannot be said to be an effective solution until it is applied to be 'just' and as a 'shared value'. On a par with any sustainable development policy must ensure its most original and authentic implementation, for every place, with every community, through the most participatory levels of governance, in favour of open knowledge as the territory's best ambition for the future, renewable energy to overcome any emerging economic and social gap at national and global level».*

1

Topics, process and methodology for preparing the VLR of Metropolitan City of Reggio Calabria

1.1 The thematic focus: Quality Training for Green Jobs

"RC Metro Citizens in Transition", the pilot project for the Metropolitan Agenda for Sustainable Development (AMSVS) of the Metropolitan City of Reggio Calabria (Agreement ex MATTM DG-SVI and CM RC, cf. box 1) has in its mission the will to transfer, through **training and knowledge programmes**, experiences and competences i7 on the topics of "**green jobs**", referable to the Sustainable Development Goals of the UN 2030 Agenda and to the Areas ("5P"), to the Strategic Choices and Goals of the National Sustainable Development Strategy and to the Vectors of Sustainability in their latest revision (05/2022, ed.) (see fig.1).



Fig.1 – The theme of quality education in the targets of the UN Agenda 2030 SDGs and in the national strategic choices of the National Sustainable Development Strategy (NSDS). Source: ABITAlab elaboration

In this era of '**global and local**' transition, it is a matter of wanting to generate a positive impact on the competitiveness rate of metropolitan territories and communities, acting with a view to **overcoming the gaps in the minimum skills of young people**, especially those who come from socio-economically disadvantaged families and live in the regions of Southern Italy, and to enhance the

training of transversal and digital skills in the curricula through innovative and inclusive teaching (cf. data from the ISTAT 2021 SDGs Report on Goal 4). In fact, this approach is nourished by "innovative actions and 'knowledge-based' pilot experiences for education, information and collaborative approaches with communities, which can trigger radical changes in people's behaviour and in their ability to act with a view to sustainability" (Mangano G., 2021).

These objectives of the pilot project support the decision to entrust the direction of the Director cabin for the AMSvS of the Metropolitan City of Reggio Calabria to Department 5 "Professional Training", assisted by the technical-scientific assistance of the ABITAlab centre, which takes care of the direction, dissemination and dissemination choices. for the promotion and transfer of training and information on the topics, with the possibility of involving other institutions (e.g. the district School Institutes) and the metropolitan communities of local authorities throughout the territory.

BOX 1 – The 'Metropolitan Agendas for Sustainable Development' public notice

About : "RC Metro Citizens in Transition" is the project for the Metropolitan Agenda for Sustainable Development in implementation of the National and Regional Strategy 2030 promoted by the Ministry for the Environment and Protection of Land and Sea, the Metropolitan City of Reggio Calabria (Sector 5 - Education and Vocational Training) with scientific partner the ABITAlab dArTe Inter-University Centre of the University "Mediterranea" of Reggio Calabria. The proposal responds to the "Public Notice addressed to the Metropolitan Cities for the submission of the expression of Interest for activities under art.34 of Legislative Decree No. 152/2006 and S.S.M.I. concerning the implementation of the National Sustainable Development Strategy". The Agreement between the Metropolitan City of Reggio Calabria and MATTM DG-SVI (Ministry of the Environment and Protection of Land and Sea, Directorate General for Development), Ex art.15 law of 7 August 1990, n.241 and smi 28.11.2019, defines the Collaboration aimed at defining Metropolitan Agendas for Sustainable Development, able to bring a contribution to the realisation of the objectives of the Regional Strategies for Sustainable Development.



Link Pilot project <https://www.rcmetrocitizensintransition.com/il-progetto>

1.2 VLR preparation process

The **Voluntary Local Review (VLR)** is an analysis of the Sustainable Development Goals (SDGs), an effective monitoring tool for their implementation at metropolitan and local level. The SDGs tracking process referred to VLR allows local governments to identify their own priorities and territorial specificities in sustainable development policy and strategic planning. The VLR combines a careful analysis of sustainability indicators and vectors with the impacts of practices and actions implemented at the local level, involving local authorities, citizens and stakeholders. In January 2022, the National SvS Table of the Ministry of Ecological Transition, in view of the path to define the Voluntary National Review (VNR) to be presented at the High Level Political Forum meeting in July 2022, started the discussion and accompanying activities of the Metropolitan Cities aimed at preparing the Voluntary Local Review (VLR). The Metropolitan City of Reggio Calabria, as part of the implementation of the pilot project "RC Metro Citizens in Transition" started its VLR preparation process in January 2022, which will be part of the "territories" chapter in the VNR 2022 Report (see fig.2).



Fig.2 – Scheme of VLR preparation process and main steps. Source: ABITAlab elaboration

1.2.1 INTERSTITUTIONAL CO-DESIGN

The accompanying activities of the National SvS Table of the Ministry of Ecological Transition, in which the Metropolitan City Council has been participating since June 2020 in the framework of the pilot project "RC Metro Citizens in Transition" represented by the members of the technical-scientific team of ABITAlab, have contributed to the **process of territorialisation and implementation at local level of the 2030 Agenda** through the National Strategy for Sustainable Development (NSDS). These activities, which involved moments of confrontation and exchange between the Cabina di Regia, the Regions, the Provinces and the Metropolitan Cities, made this path more informed and effective, allowing to transfer to the territory also the information on the co-design activities related to the study of national documents, to the proposal and revision of indicators for the construction of the "national set", to the revision process of the NSDS and the Vectors of Sustainability and, finally, to the contribution to the chapter "Territories" of the VNR Italy. The knowledge paths set up at several levels and the exchange between the participants also make it possible to transfer the ministerial accompaniment activity to both the organisation and civil society, increasing the level of awareness of the common challenge and the strategies and the tools put in place.

BOX 2 – Activities with the SD National Table (MiTe)

About:

Reporting, dialogue and sharing activities at the invitation of MiTe at the National SvS Table with the other Metropolitan Cities:

- 31 May 2022_ Third meeting accompanying process to VLR/VNR
- 19 May 2022_ Accompanying activities MiTE Table - Metropolitan Cities
- 14 April 2022_ Second meeting accompanying process to VLR/VNR
- 16 March 2022_ First meeting accompanying process to VLR/VNR - CReIAMO PA L2WP1 with interested Regions and Metropolitan Cities
- 24 January 2022_ Accompanying process CReIAMO PA - L2WP1 - Voluntary National Review (VNR) preparation with interested Metropolitan Cities
- 16 December 2021_ Workshop "Public Policy Coherence for Sustainable Development" with the Metropolitan Cities
- 19 October 2021_ Coordination with Metropolitan Cities for the implementation of SNSvS - CReIAMO PA L2 WP1 project
- 27 September 2021_ "Towards a culture of sustainability: education and training as levers for change"
- 21-22 July 2021_ 2nd and 3rd Virtual World Café - National CSR Table
- 7 July 2021_ Event Forum Regional Sustainable Development Strategy SRSvS - Focus Goal 4
- 28 May-1 June 2021_ Coaching CReIAMO PA -L2WP1 - Building Metropolitan Agendas for Sustainable Development - Pilot Actions for Urban Sustainability

- 27 April 2021_Collection of case study contributions for G20 - circular economy and combating climate change - CReIAMO PA L2WP1
- 31 March 2021_Workshop - 'Metrics and measurements to support the monitoring of national sustainable development goals' - CReIAMO PA L2WP1
- 18 March 2021_Workshop - CReIAMO PA -L2WP1- 18 March - Metropolitan Cities - The revision of the National Strategy for Sustainable Development
- 25 March 2021_Table of Discussion on the AMSvS of the Metropolitan Cities of Sicily and Calabria, at the invitation of C.Casano (Metropolitan City of Messina)
- 16/17 December 2020_OECD Workshop: Simulation of a coherent decision making process around the National Strategy for Sustainable Development: Institutional dialogue for more coherent policies in the area of Prosperity
- 9 December 2020_CReIAMO PA -L2WP1- Workshop "Sustainability as Integrated Policy: Regional and Provincial Strategies and Metropolitan Agendas for Sustainable Development and Coherence of Public Policies".
- 11 November 2020_CReIAMO PA -L2WP1- Supporting Metropolitan Cities. Meeting of the Technical Table with MATTM, Poliedra, the Metropolitan Cities and Autonomous Provinces
- 28 October 2020_CReIAMO PA Line L2WP1 - Metropolitan Cities flanking - Meeting on research projects
- 15 September 2020_CReIAMO PA L2WP1 Project: Communication of Metropolitan Cities presentation



20 participated activities



Link Activities Agenda <https://www.rcmetrocitizensintransition.com/agenda>

1.2.2 TRANSFER AND CO-DESIGN WITH «2030 ECOSYSTEM»

The "RC Metro Citizens in Transition" proposal is characterised by having aimed to construct and conduct activities responding to category B of the MATTM Agreement for metropolitan cities, "**engagement of civil society**". In this sense, the project has highlighted how pilot actions 3, 4 and 6 are all co-managed with the participation of "an ecosystem" of reference, called "Ecosystem 2030", which sees the users of dedicated paths as protagonists, orienting both the civic and educational ecosystems on the "territorialisation" of the National Strategy for Sustainable Development. Two calls for joining Ecosystem 2030 were activated, one call concerned "an expression of interest" launched by the Authority, addressed to associations, foundations and organisations in the metropolitan area, in order to join the project and participate in the planned pilot actions 3, 4, 6; an invitation with a presentation of the project and the pathway to secondary schools, with a technical-scientific profile, to share a PCTO programme oriented on the themes of the 2030 Agenda and its territorialisation in the metropolitan area" (more info on Ecosystem 2030 at the link <https://www.rcmetrocitizensintransition.com/ecosistema2030>).

1.3 Methodology adopted

The methodological approach of the VLR of the Metropolitan City of Reggio Calabria is not intended to be a mere "report" of the actions and results obtained with the pilot project, but rather to make the VLR itself a tool with which to highlight the causal links between activities and the impact they have generated. The methodology follows the approach of the 'Theory of Change' (fig.3), a specific methodology applied to plan and evaluate projects that promote **social change through the participation and engagement** of all stakeholders on an ongoing basis. This implies verifying the conditions necessary for these results to be achieved, "ascertaining their actual realisation (performance measurement) and, finally, collecting qualitative and quantitative data on the change generated and perceived by the beneficiaries (impact measurement)" (Elevati, 2017). From the

outputs it is possible to draw an estimate of the outcomes, calculating to what extent the former are related to the latter (Mangano G., 2021), according to a **"dual strategy"** (Nava C., 2021):

- *one internal to the project itself*, which implements an evaluation system based on indicators of effectiveness (objectives/outcomes) and efficiency (actions/timesheets);
- *an external one*, which reports the social, economic, cognitive benefits for the community involved, with respect to an impact system that takes into account the aforementioned theory of change "Input > Outputs > Outcomes > Impacts" and contains qualitative and quantitative indicators, referring to the project action plan, specific objectives and expected results..

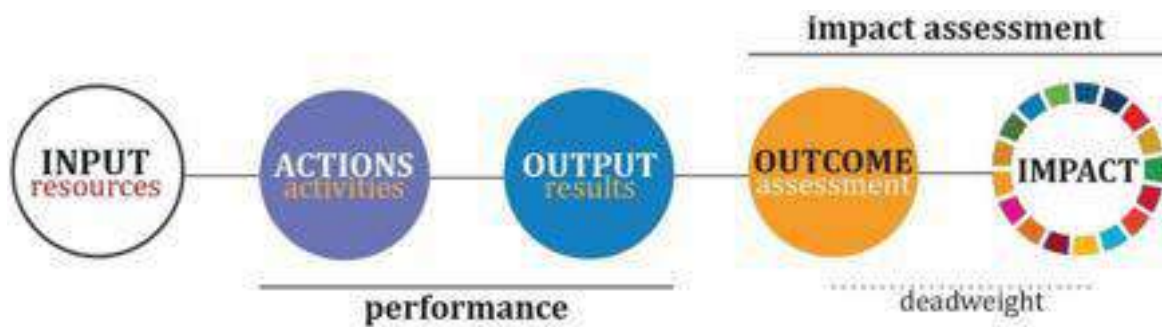


Fig.3 – "Theory of Change" methodology adopted. Source: ABITAlab rielaboration

Monitoring the expected results, the inputs and outputs of the actions and their capacity to produce results, constitutes the assessment of the level of efficiency of the project itself, while the measurement of its effectiveness, sustainability, impact and added value, takes into account not only the products and outputs, but also how they respond, once again, to the achievement of the initial objectives and thus to the satisfaction of a demand expressed at an early stage (European Commission, 2006).

2

The implementation of Agenda 2030 for the Metropolitan City of Reggio Calabria

2.1 Forums and methods of involving civil society

With reference to category "B - Civil Society Engagement", the activities started with pilot actions 2 "Learning Metrocity OUT",³ "Making Metrocity",⁴ "Knowledge Metrocity" are all aimed at greater involvement of the metropolitan community by activating the "SvS CM RC Metropolitan Forum" and fostering participation with processes capable of enhancing the resources present on the territory and already active thanks to the work of the Cabina di Regia (see www.rcmetrocitizensintransition.com/cabina-di-regia-e-team). The programme of activities of the pilot project "RCmetro Citizens in Transition" launched on 9 February 2020, with a public event and the launch of the metropolitan forum for the implementation of the National Strategy for Sustainable Development, has seen the technical working group of the Authority - Metropolitan City of Reggio Calabria - with department 5 leading the Cabina di Regia, assisted by the ABITALab dArTe Mediterranean University of Reggio Calabria, for the technical and scientific activities accompanying its implementation. Civil society is broadened in its direct engagement, with the knowledge paths undertaken and intended for different age and interest targets, from secondary school students to university students, active citizens, professionals and interested technicians. The different forms in which civil society engagement activities can be meaningful for the pilot project are all further opened up through dedicated initiatives such as 'let's create value' (cf. Section 3.1.1).

The Director Cabin is headed by the Director of Department 5-Professional Training of the Metropolitan City of Reggio Calabria.

Other CM RC department members of the Director Cabin are:

- Department 2 - Institutional Affairs - Economic Development - Human Resources
- Department 3 - Digital Innovation
- Department 6 - Education and Sport
- Department 7 - Social policies
- Department 10 - Planning - Territorial Development - Special Laws
- ABITALab dArTe UniRC (scientific partner)
- other institutions: local authorities, professors Scientific Committee Univ. Mediterranea of Reggio Calabria (dArTe and PAU departments), High School Institutes, Professional Orders, local organisations and associations
- Inter-institutional forums: SD Table MiTe, Calabria Regional Forum



Fig.4 – Director cabin and Forum and society engagement activation. Source: ABITAlab elaboration

In this sense, the project highlighted, how pilot actions 3 "Making Metrocity", 4 "Knowledge Metrocity" and 6 "Codesign Metrocity" are capable of initiating processes of co-management by an "ecosystem" (the 2030 ecosystem) for the orientation of the civic and educational ecosystem to the territorialization of SNSvS. Specifically, with reference to the activities carried out: users of dedicated paths, orienting both the civic and educational ecosystem on the "territorialisation" of the National Strategy for Sustainable Development. In particular:

- (August 2020) **Call for proposals "Civic Ecosystem"** for the participation of organisations in training and capacity building paths on Agenda 2030 issues and sustainability activities (no. 30 associations from 15 municipalities), told in the collaborative best practice path "CreaAmo Valore". The same associations, together with the steering committee, animated two presentation and exchange meetings on sustainable development topics on 9 and 30 September 2020;
- (Nov.2020-Jun.2021) **Cycle of Technical Seminars** - Pilot Action 4 "Knowledge Metrocity" with the aim of transferring contents, methodologies and experiences useful for the construction of the Metropolitan Agenda, with reference to the NSDS areas "Planet and Prosperity", with an average duration of 3h each and the average participation of 95 participants among technicians from institutions, associations, university students, individual citizens;
- (a.s. 20/21 and 21/22 in progress), 2 editions of the **Transversal Skills and Orientation Courses** - TSOC "The challenge of Agenda2030" were launched, aimed at students of the province's high schools (no.4 in the 1st edition for no.120 students, no.2 in the 2nd edition for 70 students);
- at university level, at the Mediterranean University of Reggio Calabria - Department of Architecture and Territory, **high-level training activities** were carried out with reference to the "Design of Sustainable Innovation" course and the Thesis Atelier (resp. Scient. Prof. C. Nava), such as a series of seminars on "advanced design for climate neutrality" and on "additive manufacturing and prototyping" and design experiments in the area that involved about 50 students. Further activities aimed at broadening the direct engagement of the civic and educational ecosystem can be found in Pilot Action 6 'Co-Design Metrocity' (see www.rcmetrocitysintransition.com/ecosistema2030).

2.2 Pilot Actions and their Implementation Status

Out of the five areas indicated by the SNSvS (5Ps - People, Planet, Prosperity, Peace, Partnership), the "RC Metro Citizens in Transition" project has identified six pilot actions with activities that find their effectiveness in categories A "Building the governance of metropolitan agendas for sustainable development", B "Civil society involvement" and C "Defining metropolitan agendas for sustainable development and monitoring the sustainability vectors of the Metropolitan Strategic Plan", as listed below

1. "**Learning MetroCity IN**" - cat. A, target audience: institutional network - 2 months (15 Jan-19 Feb - Suspension and resumption: 16 April - 16 May 2020 (concluded) ;
2. "Learning MetroCity OUT" - cat. A, addressees: institutional network - 2 months (17 May - 30 June 2020) - concluded
3. Pilot Action 3 "**Making Metrocity**" - cat. B, target group: Civic Ecosystem (associations, committees, groups, etc.) - 3 months (1 Jul.- 31 Oct. 2020 with deviations and resumption: Nov.2021-Feb.2021) - ended
4. "**Knowledge Metrocity**" - cat. B, addressees: Civic Ecosystem, experts and officials of institutions, university students, individual citizens - 5 months for the Cycle of Seminars + PCTO I edition (Nov.2020-Apr. 30, 2021, with deviations: until Jun.2021) + 5 months for PCTO II edition (Feb.-May. 2022)
5. "**Goals Metrocity**" - cat. C, addressees: Public Bodies, Institutional Bodies, Civil Society, National Forum and Regional Forum Agenda - 2 months (monitoring of participatory phase "Strategic Metropolises", Jul.-Aug. 2021 + 3 months (monitoring doc, MSP draft, May-Aug. 2021) - concluded + 9 months (Implementation agreement Sector10-dArTe UniRC, Mar.-Dec. 2022) - ongoing ;
6. "**Co-Design Metrocity**" - cat. B, Civil Society Engagement - 3 months (with deviations for pandemic covid, Jan-May 2022).


For a detailed description of the pilot actions, please refer to the appropriate section of the web platform ( www.rcmetrocitizensintransition.com/azioni-pilota) and the figure below.



Fig.5 – Pilot actions of the project. Source: ABITAlab elaboration on the web platform www.rcmetrocitizensintransition.com

By the end of the activities (11 May 2022), **83 activities** had been carried out to implement the pilot actions (see "Activity Agenda" at www.rcmetrocitysintransition.com/agenda). Of these, as many as 38 were implemented under Action 4 Knowledge Metrocity, highlighting the centrality of the theme "quality education and training towards green jobs" in the implementation of the Metropolitan Agenda for Sustainable Development of the Metropolitan City of Reggio Calabria. The weight of the activities on the individual pilot actions and compared to the total, is illustrated in the diagram below (fig. 6).

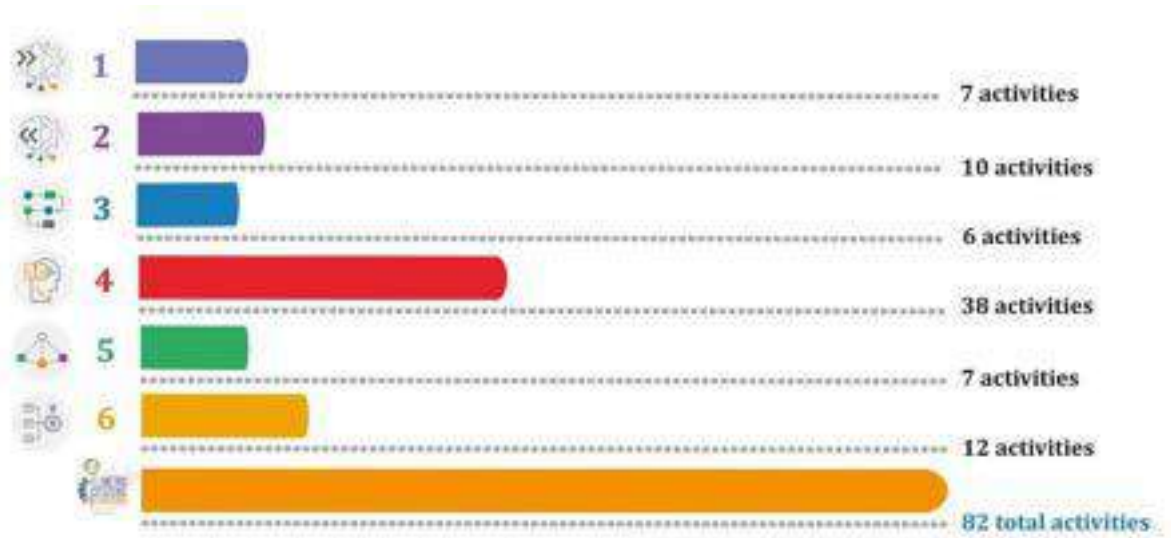
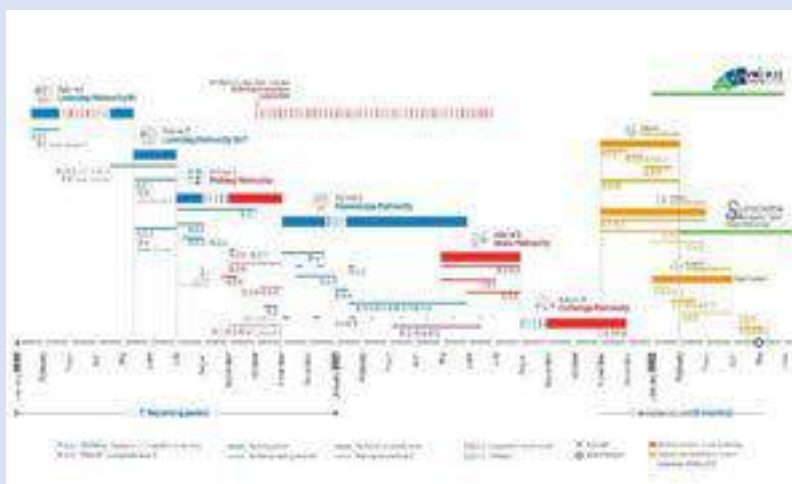


Fig.6 – Impact of the pilot action on the total of activities. Source: ABITAlab elaboration

BOX 3 – Graphic Timeline of the Pilot Project

About: The graphical timetable illustrates the activities and sub-activities for each pilot action during the reference period of the MiTe-CM RC Agreement. This schedule was also used as a tool for monitoring the implementation of the pilot project in relation to:

- the timing of the pilot actions according to the proposal submitted to the MiTe (formerly MATTM);
- the activities and results of each pilot action and sub-activity in the reference period and in relation to the action categories (A, B, C);
- the deviations due to exogenous factors (covid19 pandemic, administrative updates of the CM RC with repercussions on the Cabina di Regia, assimilation and synthesis of identified activities in order to achieve the results of actions subject to deviations) and endogenous factors (changes made on operational and technical aspects of the project by the technical-scientific team).



[CLICK TO EXPAND](#)



Link Graphic Timeline <https://drive.google.com/file/d/1lq4xDE3a0j9t6ltlilAxbYPhEBQmwor/view?usp=sharing>

2.3 The state of development of the SvS Metropolitan Agenda

The process of constructing the Metropolitan Agenda for the Sustainable Development of the Metropolitan City of Reggio Calabria began with the launch of the pilot project "RC Metro Citizens in Transition" (Feb.2020), within the framework of the agreement between the Ministry of Ecological Transition and Department 5-Professional Training of the Metropolitan City of Reggio Calabria. The elaboration of the Agenda is currently in progress and is conceived as a device for integrating, guiding and monitoring the planning tools in force and/or in the process of being adopted by the Authority, in particular the Metropolitan Strategic Plan being drafted (see Agreement ABITAlab dArTe-Sector 10 CM RC), but also the territorial investments (PON Metro, Pacts for the South, POR 21-27, etc.) through the sustainability vectors and strategic objectives of the NSDS. The Knowledge, Co-design and Goals Metrocity pilot actions defined the trajectories of interest and the guiding contents of the Agenda document:

1. *Sustainable Territory and Communities in Transition*
2. *Air and Climate*
3. *New Geography of Relations: Commuting (Inner Areas)*
4. *Ecosystem Services. Networks and flows (waste, water, energy)*
5. *Sustainable visions.*

The SD Metropolitan Agenda will be a governance and guiding tool for the Authority's choices in terms of territorial planning and investments in the metropolitan area. The objective of policy coherence for sustainable development is pursued through the transfer and traceability of sustainability vectors and strategic objectives for the NSDS 'prosperity and planet' areas in forthcoming plans, programmes and investments, as well as in spatial planning tools (see Box 4). The Metropolitan Agenda thus becomes a tool for guidance and education on certain issues, with reference to the path of transfer of experience and with the proposition of communities, rightly informed about sustainable development issues and thus with greater awareness, beyond the normal paths of participation in the planning instruments already provided by the MSP.

BOX 4 – Metropolitan Agenda for Sustainable Development MetroCity RC and SD Policies

About: The Agenda aims to address and monitor sustainable development policies and governance tools of the entity with the possibility of tracking the visions and strategic choices of the MSP with some identified Missions of the NRP, such as:

- *Mission 1_ Digitisation, Innovation, Competitiveness, Culture and Tourism*
- *Mission 2_Green Revolution and Ecological Transition*
- *Mission 3_Infrastructures for Sustainable Mobility*
- *Mission 4_Education and Research.*

With reference to pilot action 5 'goals Metrocity' of the pilot project 'RC Metro Citizens in Transition', the Agenda will basically express the possibility of activating a monitoring of sustainability vectors and their traceability on the strategic choices of the MSP. In this regard, on the basis of the activities foreseen by the programme and carried out for the "Category C-Definition of the metropolitan agendas for svcs and integration with the MSP" in the period 2020-2021, on 24 February 2022 the Sector10- Planning - Land Development - Special Laws in the person of the manager. Ing. P.Foti, the Director of dArTe Prof. A.Santini and Prof. C.Nava as scientific resp. of the project and of ABITAlab dArTe, signed a Research Implementation Agreement (duration 9 months), for "Studies aimed at the integration of tools and processes for the implementation of the National Strategy for Sustainable Development (Metropolitan Agenda 2030) in the visions of the Strategic Plan of the Metropolitan City Metropolitan City Strategic Plan".



Link SA Goals Metrocity <https://www.rcmetrocitizensintransition.com/goalsmetrocity>

2.3.1 THE METROPOLITAN SUSTAINABLE DEVELOPMENT AGENDA AND THE METROPOLITAN STRATEGIC PLAN

Pilot Actions 4 "Knowledge MetroCity", 5 "Goals MetroCity" and 6 "CoDesign MetroCity" are those that envisage activities aimed at defining trajectories, contents and accompanying tools for the upcoming Agenda.

In May 2021, the phase of constructing the Agenda's reference areas and the document's structure began, through in-depth study activities useful for its drafting and for the activities carried out on the occasion of the planned Knowledge Metrocity, Co-Design and relationship with the Metropolitan Strategic Plan being drafted.

It is a matter of operating according to a "collaborative" and "participatory" dimension of the Agenda, capable of expressing the results assumed by the pilot project and the territorialisation activities as already described. An innovative component to the process, which wants to express and bring to value the experience realised with "RCMetro Citizens in transition", bringing the metropolitan communities closer to the decisions that affect public policies, referring to sustainable development in its three dimensions and implementing the 4 guiding principles that the SNSvS at the national level makes its own, such as integration, universality, inclusion and transformation.

Through dialogue with the Authority's institutional representatives, the possibility was proposed that the Metropolitan Agenda on Sustainable Development itself could be a governance and guiding tool for the Authority's choices, even after the closure of its pilot project. In particular, it is about the possibility that the sustainability vectors and strategic objectives of the SNSvS, transferred to the metropolitan agenda, may find traceability in the next territorial investment plans and programmes (PON Metro, Patti per il SUD, POR 21-27, Recovery Plan, etc.), as well as in the PSM instruments and/or in the PUM, implementing territorial coherence policies and monitoring on the "prosperity and planet" areas.

On 24 February 2022, the Director of the Department of Architecture and Territory - dArTe of the Univ. "Mediterranea" of Reggio Calabria and the Director of Sector 10 - Metropolitan City of Reggio Calabria signed the Convention agreement on the programme of research and transfer activities on the themes of the strategic addresses of Agenda 2030 for the implementation of the SNSvS - National Strategy on Sustainable Development for the addresses and monitoring, through the system of Sustainability Vectors to the vision projects of the MSP and territorial investments from the competitive lines on the metropolitan territory (PNRR, POR Calabria 21-27, ReactEU...).

The document, presented by the scientific resp. Prof. C.Nava, illustrates the project-research called "Sustainable Assessment - Goals Metrocity", activated as a cascade from the activities with which the university laboratory is already present at the national table of MiTe DG VI - Ministry of Ecological Transition with the pilot project "RC Metro Citizens in Transition".

The initiated research-project proposal is organised in two parts: the implementation of the NSSD on the MSP **[1]** and the construction of a mapping architecture for the location and implementation of the MSP "Project Ideas" **[2]**.

[1] The revision of the National Strategy for Sustainable Development through the better definition of Sustainability Vectors 1, 2, 3 (October 2021 - February 2022), in fact re-addresses the monitoring activities and therefore needs a better interface with the Metropolitan Strategic Plan projects. Below are the pages extracted from the AMSvS (draft) concerning the trajectories of the Agenda in relation to the visions and project ideas of the MSP (Fig.7a) and the planned activities per phase of the project-research (Tab.1).

Sustainable Assessment Goals Metrocity

Studi indirizzati all'integrazione degli strumenti e dei processi di attuazione della Strategia Nazionale dello Sviluppo Sostenibile (Agenda Metropolitana 2030) nei progetti di visione del Piano Strategico della Città Metropolitana.

Sistema di supporto alle decisioni e al monitoraggio dei progetti e delle azioni in coerenza con le politiche di coesione e di competitività, attrazione e programmazione degli investimenti territoriali (periodo 2021-27: PNRR, POR Calabria, ResiciEU, Agenda, ...) nella Città Metropolitana di Reggio Calabria, anche attraverso il sistema dei Vettori della SNSvS.

Team di lavoro
 Prof.ssa C. Nava, resp. scientifico e sistemi di valutazione/competitività
 Prof.ssa A. Sarlo, programmi e strumenti di pianificazione strategica
 Arch. RTSA G. Mangano, Agenda Metropolitana e Indicatori 2030, Mappature (accordi con il progetto pilota)
 Arch. PhD A. Leusito, politiche di coerenza tra programmi competitivi e matrici di congruenza. Tracciabilità delle idee progetto su programmi, mappature

FASE 1
 (marzo – maggio 2022)

Fig.7a – Cover of Phase I document SA Goals Metrocity. Source: ABITAlab elaboration

Activities phases	Sustainable Assessment Goals Metrocity
PHASE 1 [Period: 2/3 months] COMPLETED	Activities of verification, traceability and integration between the strategic objectives of the SNSvS and the MSP Guidelines Review and redirection activities of the "Strategies" of the draft MSP with the preparation of a congruence and compatibility matrix with the Sustainability Vectors of the SNSvS/ Metropolitan Agenda, useful for monitoring
PHASE 2 [Period: 2/3 months]	Assistance activities aimed at drafting the territorialisation and competitiveness of the MSP "project ideas" actions, with the possibility of attracting and competing for Territorial Investments of interest for the pilot actions (period 2021-27) Formulation of the Intervention Framework on strategic areas, which can be evaluated and monitored with the SNSvS/Metropolitan Agenda Vector system
PHASE 3 [Period: 2/3 months]	Definition and closure of MSP documents related to SNSvS, as per Phase I and Phase II products Continuous monitoring activities at all stages of the drafting MSP and programme for possible post-approval MSP monitoring activities

Tab.1 – Sustainable Assessment Goals Metrocity – research activities phases. Source: ABITAlab elaboration

[2] The proposal for the construction of a mapping architecture for the location and implementation of the MSP "Project Ideas", was made with reference to the addresses deriving from the Metropolitan Agenda for Sustainable Development (MSSD) document, the Strategic Choices and National Goals, the Sustainability Vectors of the MSSD and the monitoring of their implementation status and possible supporting competitive lines. The mapping architecture houses two sections:

[SECTION A] SNSvS Implementation Sheet on the MSP (built on the references found in [1])

- A.1. Reference to the addresses derived from the Metropolitan Agenda;
- A.2. Reference to the Strategic Objectives and Sustainability Vectors of the NSDS.

[SECTION B] Intervention monitoring sheet

B.1. Indication of the competitive lines in support of the project (Data, competitiveness, territorial investments traced during the activities in [1])

B.2. Implementation status + identification references (hyperlink to the project) (Fig.7b).

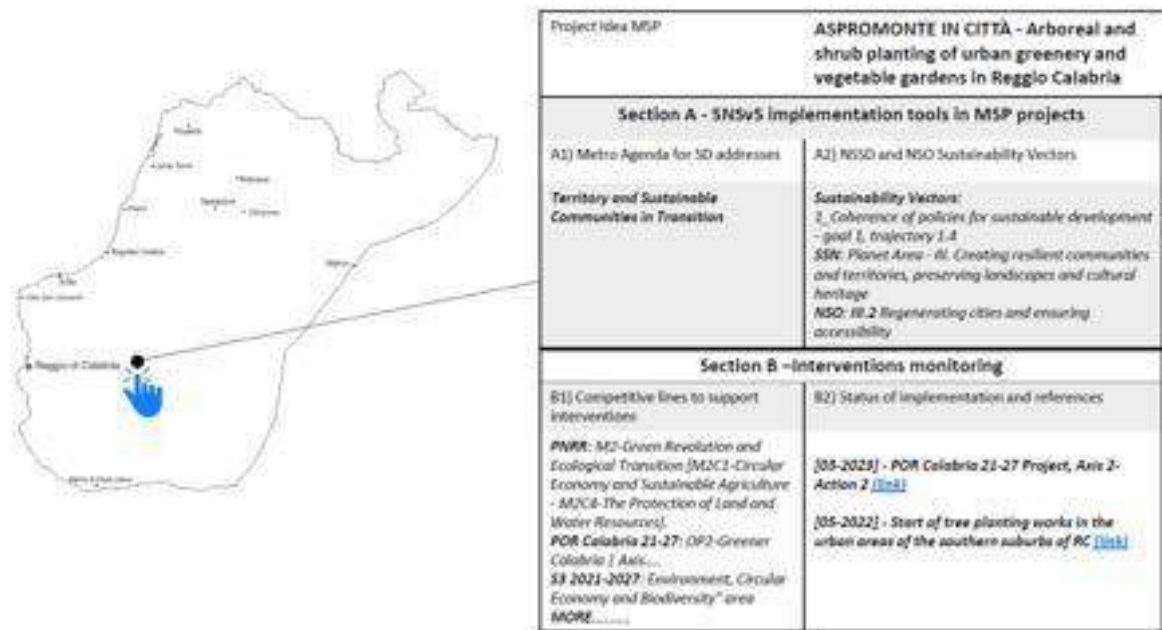


Fig.7b - The proposal for a mapping architecture for the location and implementation of the MSP 'Project-Ideas'.
Source: ABITAlab elaborations

2.3.2 CO-DESIGN METROCITY FOR METROPOLITAN STRATEGIC PLAN VISIONS AND PROJECT IDEAS

"Co-design Metro City for the Metropolitan Agenda for Sustainable Development - Metropolitan City of Reggio Calabria" is an event of the SvS Metropolitan Forum, held on 6 May 2022 and aimed at the realisation of a participation and co-design initiative on the strategic areas of the National Strategy for Sustainable Development, on the themes and knowledge transferred with the pilot actions of the 'RC Metro Citizens in Transition' project and on the trajectories, visions and project ideas contained in the draft Metropolitan Strategic Plan, with the involvement of the Ecosystem 2030 of the pilot project. The day's work was carried out according to the methodology of co-design workshops, in groups divided into "focus" tables, whose activities were led by one or more identified facilitators (experts jr. Green Jobs, experts from the Scientific Committee, ABITAlab student interns). In this sense, co-design, by opening up to user collaboration in the creative phases of idea generation and application, enables people not to be mere users, but active and, above all, competent participants (Sander, Stopper, 2008). Co-design is a collaborative creative act, aimed at the generation of ideas, processes and open innovation activities: it is an 'envisioning' tool that aims at transparent forms of collaboration led by 'designers', aimed at the realisation of projects and scenarios that have quality of life and collective well-being at their centre (human-centred design). This working methodology takes the form of a pragmatic approach and a thought and operational model for the design of real, everyday contexts of people's lives. The phases and operational tools of the co-design processes constitute the most suitable methodological approach for the conception, implementation, prototyping of actions and the achievement of the expected results of a project with a high rate of "engagement" of communities of young designers, citizens, territorial organisations, educational institutions, public and private bodies.

(Mangano G., 2021). At the MetroCity Co-Design Workshop, each table participant contributed to the work with his or her knowledge and skills on the proposed trajectories, according to a schedule of activities and a timetable shared with all the tables by the facilitators and the initiative's organisers (fig. 8).

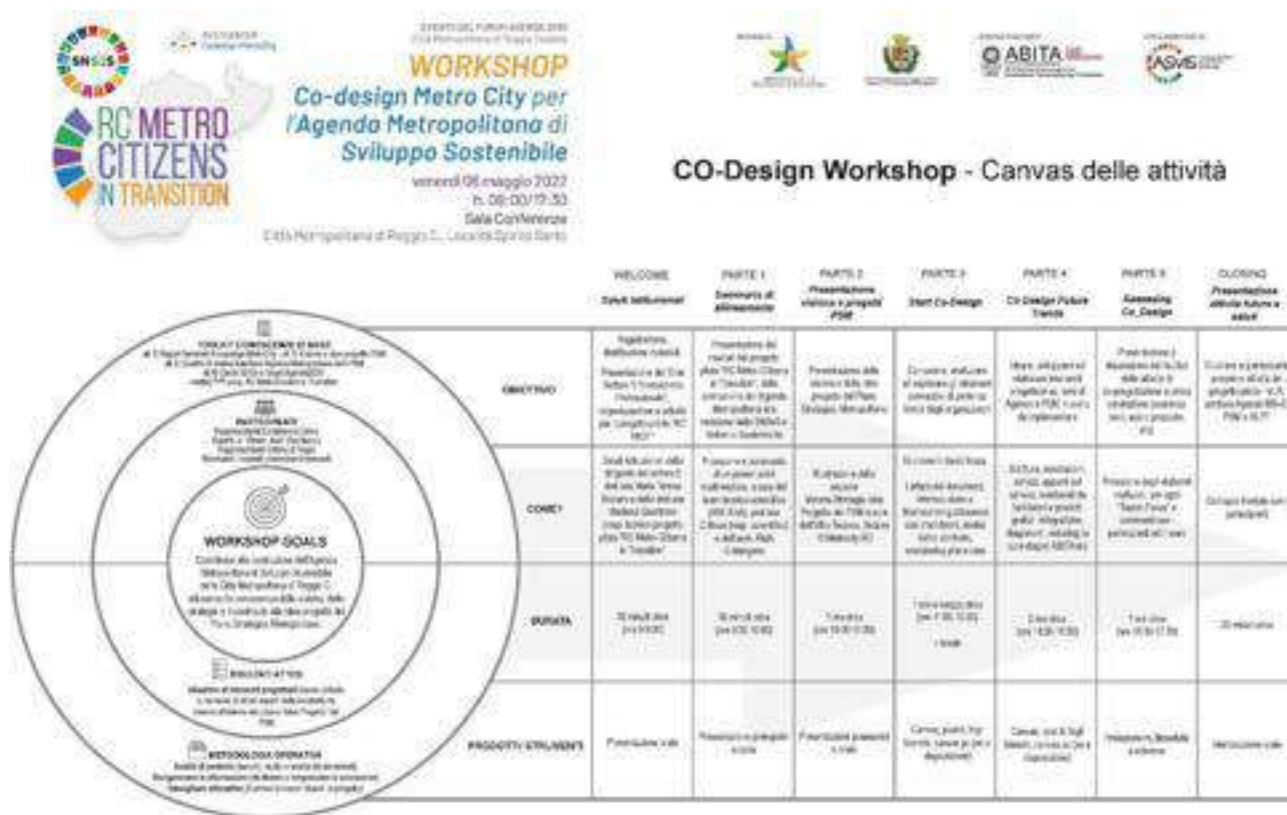


Fig.8 – Co-Design activity program canvas. Source: ABITAlab elaboration, [click to enlarge](#)

The workshop involved all the stakeholders in the project's Ecosystem 2030, namely:

1. Civic Ecosystem: associations, onlus, foundations and groups (already identified through an expression of interest on the pilot project), individual citizens, technicians of the CM bodies and sectors in the Steering Committee, university students (who attended the "Knowledge Metrocity" technical seminars - Action 4)
2. Green Jobs junior experts, selected by the CM - Sector 5
3. Members of the Scientific Committee of the pilot project
4. ABITAlab dArTe student interns
5. PSM Technical Office
6. ABITAlab researchers.



Fig.9 – Co-Design engagement impacts. Source: ABITAlab elaboration

The activities (fig.10) lasted a total of eight hours, divided into:

- a *first phase* of transfer and seminar on the results achieved with the pilot project (by the technical-scientific team of ABITAlab) and the presentation of the Visions and Project Ideas of the Metropolitan Strategic Plan (by the officials and technicians of Sector 10 "Planning, Land Use, Special Laws" Metropolitan City RC);
- a *second phase* of "Future Trends" co-design work with the subdivision into thematic tables coordinated by the junior green jobs experts (see table no. 2), who stimulated those present on the themes of sustainable development and the thematic trajectories acquired with the cycle of seminars of pilot action 4, on which to express themselves in terms of devising intervention strategies and projects of possible integration with the Metropolitan Strategic Plan;
- a final phase of restitution in "public review" and sustainability pre-assessment on the targets of the SDGs Agenda2030 of the project ideas generated at the tables;
- a subsequent phase concerns the systematisation and refinement of the contents, key actions, interventions and other aspects related to the project ideas, with a view to their inclusion in the draft Metropolitan Agenda for Sustainable Development.

Codesign Metrocity

#FutureTrends: Focus tables and project ideas

<p>Table 1 "Metropolitan Territories for Circular Economy"</p>	<p>Expert jr. Coordinator : Arch. M Festa</p> <p>Civic Ecosystem members: Associazione culturale Magnolia (Melito R), Pro Loco Reggio sud APS (Politi G, Romeo C), Arcigay "I Due Mari" Reggio Calabria (Giordano B), Univ. student for graphic output: Filice F, Catalano E</p> <p>Project Idea Abstract: Regenerate abandoned areas on the coasts and metropolitan rural areas, as places of socio-cultural and environmental connection to rediscover local knowledge and reuse them through the circular economy, promoting sustainable tourism and the critical consumption of natural resources. The added value of this project idea is the contrast to the depopulation of marginal areas, promoting sustainable activities that protect the territory and its agricultural heritage, identity and its natural resources, the landscapes of the Metropolitan City of Reggio Calabria.</p>
<p>Table 2 "The Smart Way"</p>	<p>Expert jr. Coordinator : PhD Ing. F. Cappellano</p> <p>Civic Ecosystem members: APS "Francesco Amendolea" (Saraceno A, Calarco S, Irto G) Associazione Pensando Meridiano (Matranga G, Vitale S), AIGU-Associazione Italiana Giovani per l'Unesco (Bova P), Univ. student for graphic output: Foti L, Porco S.</p> <p>Project Idea Abstract: The idea revolves around the main objective of increasing public transport services and sustainable mobility, with the target audience being young people. The strategy is to combine good transport planning with agile and efficient service design. In particular, we refer to the model of urban accessibility for the "city of 15 minutes".</p>
<p>Table 3 "The Mediterranean doors"</p>	<p>Expert jr. Coordinator : PhD. Law. C. Scrufari</p> <p>Civic Ecosystem members: Ass. "Amici di Montalto" Reggio Calabria (Musolino G, Musolino E), Ass. Equilibri Pedagogici (Praticò L, Campolo V), Ass. Pensando Meridiano (Leuzzo A), Univ. student for graphic output Labate D. Notaro F</p> <p>Project Idea Abstract: The project idea focuses on the possibility of regenerating some identified public spaces of the metropolitan city, currently abandoned or in poor condition, so that they can become the subject of urban renewal and new services ("doors", meeting places, opportunities, tourist attractions, social cohesion) and to combine the psychological well-being of the person with the quality of the environment, landscapes and services.</p>
<p>Co-design Toolkit</p>	<p>Baseline Knowledge Toolkit :</p> <ol style="list-style-type: none"> a) Knowledge Metrocity Seminars Report – click to open file b) Documents about SMP, Agenda2030, NSSD – click to open file c) Metropolitan Agenda Trajectories – click to open file d) SDGs and targets– click to open file

Co-design toolkit :

- e) Co-design metrocity canvas – [click to open file](#)
 - f) SDGs Social Impact Wheel Canvas – [click to open file](#)
 - g) Idea Sketch – [click to open file](#)
-

Note: materials elaborated by G.Mangano (ABITAlab)

Tab.2 – Co-design Metrocity – project ideas and toolkit. Source: ABITAlab elaboration



Fig.10 – Co-Design Metrocity workshop pictures. Source: ph. by P.Bova (dAtTe Unirc)

3

Knowledge MetroCity: actions for quality training and education towards Green Jobs

3.1 Training and information on NSSD Planet and Prosperity Areas for the Civic Ecosystem

3.1.1 «CREIAMO VALORE»: LEARNING GOOD PRACTICES FOR SUSTAINABLE DEVELOPMENT

“Creiamo Valore” is the activity launched within the “RC Metro Citizens in Transition” proposal with the objective of involving the associations of the Civic Ecosystem and the Reggio Calabria metropolitan area in the narration of projects and good practices of sustainable development, in order to monitor their value and contribution to the sustainability vectors of the National Strategy SD (fig.11). All interested bodies, organisations and associations are called upon to contribute in a collaborative manner through the digital space dedicated to “Creiamo Valore” within the civic web platform (see Box n.5). Contributions are published in the digital magazine “Buone Pratiche MetroCity RC 2030”, which can be browsed in the aforementioned web space. A call to associations was launched in September 2020 and is repeated on a monthly basis. There are currently 8 good practices registered (6 associations + 2 authorities) and another 6 are being catalogued as part of Ecosystem 2030.



Fig.11 – Creiamo Valore, engagement and storytelling for actions methodology. Source: elaboration by ABITAlab

BOX 5 – “Creiamo Valore” Good SD Practices

About: “Creiamo Valore” aims to involve the associations of the Civic Ecosystem and the metropolitan area of Reggio Calabria in the narration of projects and good practices of sustainable development, in order to monitor their value and contribution to the targets of the National SvS Strategy, also through the digital magazine “Good Practices MetroCity RC 2030” browsable in the above-mentioned web space or on Issuu.

Curators : Arch. PhD G.Mangano, Prof. Arch. C.Nava (ABITAlab)

Period : August 2020 – ongoing



Link Good Practices Digital Magazines at <https://www.rcmetrocitysintransition.com/creiamo-valore>

3.1.2 THE SEMINARS CYCLE «KNOWLEDGE METROCITY», PROSPERITY AND PLANET AREAS

The proposed cycle of seminars, under the scientific direction of the ABITAlab centre, provided for 6 thematic seminars open to the Civic Ecosystem that joined the project, associations, interested metropolitan citizens, technicians and professionals in the sector (including those within public bodies), representatives of the steering committee, and university students according to a path offered by the degree course in Architecture and Territory of the Mediterranean University of Reggio Calabria. The seminars were held in the period November 2020 - June 2021 at a rate of one per month within the framework of Pilot Action 4 "Knowledge Metrocity", except for the month of March 2021 when the "SD Preparatory Conference" organised by MiTe was held. The strategic objectives refer to the Prosperity and Planet strategic areas of the NSDS. The proposed path had a threefold purpose: 1. to transfer training and information on the topics to the participants in the cycle of seminars (through the invited discussants); 2. to select topics of interest for the construction of the Metropolitan Agenda of Reggio Calabria; 3. to organise the dedicated focus space in each seminar (entrusted to the discussants) that transfers the issues addressed at the metropolitan level to pursuable processes of territorialisation for the implementation of the 2030 Agenda for the CM of Reggio Calabria.

BOX 6 – The Seminars Cycle “Knowledge Metrocity”

National Sustainable Development Strategy Areas

The strategic objectives refer to the strategic areas Prosperity and Planet of NSDS, in particular:

- PLANET

I. Halting the loss of biodiversity

II. Ensuring sustainable management of natural resources

PROSPERITY

I. Funding and promoting sustainable research and innovation

II. Ensuring full employment and quality training III. Affirm sustainable patterns of production and consumption IV.

Decarbonising the economy

VECTORS OF SUSTAINABILITY

2) Culture for Sustainability

3) Participation for sustainable development

Thematic trajectories

1. 1st Technical Seminar "Knowledge MetroCity" - **Presentation of the National Sustainable Development Strategy and the geographical and environmental dimension of the metropolitan territory in transition** (06 nov. 2020)

2. 2nd 'Knowledge MetroCity' Technical Seminar - '**Acting for resilience. Air and climate as a device for urban quality**' (18 dec. 2020)

3. 3rd "Knowledge MetroCity" Technical Seminar - '**Leap into the Neo-Anthropocene: Designing Augmented Cities and Communities**' (29 jan. 2021)

4. Participation to the **Preparatory National Conference of Sustainable Development** (3-4 mar. 2021)

5. 4th "Knowledge MetroCity" Technical Seminar - '**The circular metabolism of flows and resources: energy and waste**, with the case of Peccioli (Belvedere S.p.A.) and civic actions (23 apr. 2021)

6. 5th "Knowledge MetroCity" Technical Seminar - "**The 2030 Agenda and the Strategic Plan of the Metropolitan City of Reggio Calabria**. The alliance of sustainable visions for the territory and communities in transition" (28 jun 2021).

The work and contents of the seminars are narrated in the reports drawn up by the technical-scientific team, which portrays the thematic trajectories in relation to the possibility that these are also the guidelines on which to build the metropolitan sustainable development agenda.



Link Knowledge Metrocity actions <https://www.rcmetrocitysintransition.com/knowledge-codesign-greenjobs>

Seminars media gallery : <https://www.rcmetrocitysintransition.com/photo-albums>

The seminars were an important success in terms of participation, also in the "blended" formula that made it possible to operate with great effectiveness even in the period of covid 19 restrictions, out of the time of suspension, and to broaden the direct involvement of civil society, with the knowledge paths undertaken aimed at different targets of age and interest, from secondary school students to university students, active citizens, professionals and interested technicians (fig.12). The training and information activities of pilot action 4 'Knowledge Metrocity', in particular with the cycle of seminars, in terms of importance and impact on the Civic Ecosystem, actually constituted the moment of identification of topics for the growth of knowledge in a 'green jobs' perspective and of trajectories of interest for the construction of the SD metropolitan agenda.

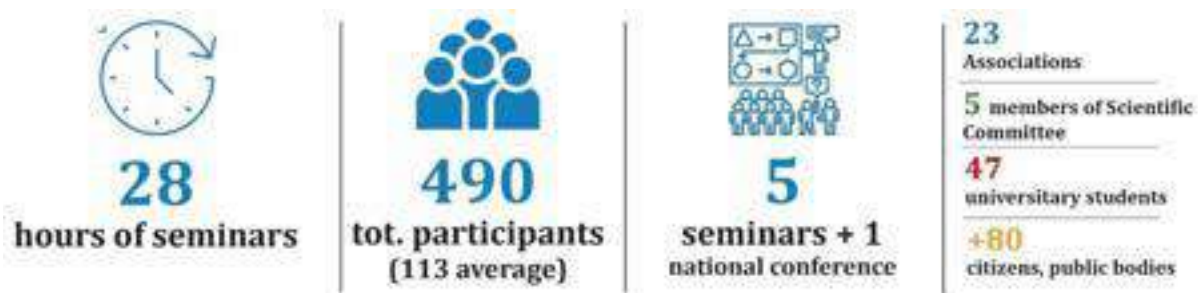


Fig.12 – Results and impact of the seminars cycle – action pilot 4. Source: elaboration by ABITAlab

3.2 Quality Education and Training: Goal 4 for the Educational Ecosystem

3.2.1 TSOC «THE CHALLENGE OF AGENDA 2030» WITH METROPOLITAN SCHOOLS

In order to involve Secondary School Institutes, the project has opened a space for the transfer of skills and orientation through two editions of TSOC_ Transversal Skills and Orientation Courses, promoted by the ABITAlab centre of the Department of Architecture and Territory (dArTe) of the Mediterranean University of Reggio Calabria, in agreement with the schools of the metropolitan area of Reggio Calabria. The TSOC aims at transferring knowledge and skills frameworks related to the topics of Sustainable Development on a global and local scale and the implementation of the National Sustainable Development Strategy (SNSvS), ecological and digital transition, with particular reference to issues related to the transformation of the built environment, to the students of High School Institutes of the Metropolitan City of Reggio Calabria. Reference frameworks, experiences and case studies were illustrated on the themes of the challenge to climate change for resilient territories and communities, the conscious use of material resources in the construction sector by activating recycling chains and circular economy processes, the design of integrated 'green' systems for the sustainability

of buildings, and smart devices and networks that consume and produce electricity from renewable sources only, thus contributing to the European 'climate neutrality' objectives. Furthermore, experiences and skills on the topics of integrated design and prototyping with digital manufacturing applied to the architecture and construction sector were transferred. To this end, the Department of Architecture and Territory offered the TSOC member schools a 'green' training course, also through the opening of its advanced and affiliated laboratories, from the world of innovative companies active in the area. The challenge of the 2030 Agenda with Goal 4 - Quality Education, moves through themes and narratives of experiences to be transferred to students, on Goals 7, 9, 11, 12, 13 on the strategic areas of the SNSvS: Planet and Prosperity and on the Sustainability Vector "Culture for Sustainability - Education and Training" (fig.13). At the end of the knowledge transfer activities (lectures and seminars), the Open School 'Agenda2030' was initiated, workshop paths where students practised experimental projects on the topics of digital manufacturing (modelling and 3D printing) and circular design (projects with the use of environmentally friendly materials and from recycling supply chains), which were finally presented in an open public event (fig.14).



Fig.13 – Results and impact of the TCOP “Agenda2030”. Source: elaboration by ABITAlab

The two editions of TSOC "The Challenge of Agenda2030" for High School Institutions took place in two editions (see Box 7):

- a) I edition (a.s. 2020/2021): 30 h lectures + 20 h workshops (Jan-May 2021)
- b) Second edition (a.s. 2021/2022): 30 hours, distributed over 10 lessons/seminars of 2 h each (tot. 20 h) + no. 2 outdoor meetings (tot. 4 h) + 6 h Open School + 2 outdoor activities (Feb-May 2022).

BOX 7 – “The challenge of Agenda2030”. Quality education with schools

1st EDITION – 2020/2021

For the first edition of the TCOP, a 30-hour programme of frontal lectures by dArTe lecturers and junior researchers and experimentation in the Open School, with the participation of the Innovative Start-Up PMopenlab srls, was implemented via webinar in the transfer phase of the seminars and in-presence in the presentation phase of the Open School projects.

Curators: Department of Architecture and Territory-dArTe UniRC, ABITAlab dArTe UniRC, PMopenlab srls, ass. Pensando Meridiano

Duration: n.30 hours distributed between lecture activities, seminars and experimental application. Preferably 20h of lectures/seminars and 10h of application (Open School).

Implementation: n.10 lectures/seminars of 2h each + n. 3 Open School meetings (3h+3h+4h);

Type of communication: powerpoint presentations; videos.

Agenda and themes: [click here](#)

Schools involved: High School Institute "A. Righi"-Reggio Calabria, High School Institute "E. Fermi"-Bagnara (RC), Scientific High School "A. Volta"-Reggio Calabria, Higher School Institute "F. Severi"-Gioia Tauro (RC)

Media: [OpenSchool photo-album](#)

2nd EDITION – 2021/2022

After the first edition, the PCTO "The challenge of Agenda 2030 - Green School II edition. Goal 4 for quality education and skills enhancement towards the Ecological and Digital Transition with the "Green Schools" of the Metropolitan City of Reggio Calabria", with the aim of transferring knowledge and skills frameworks related to the themes of Sustainable Development on a global and local scale and to the implementation of the National

Sustainable Development Strategy (SNSvS), Ecological and Digital Transition, with particular reference to issues related to the transformation of the built environment, to the students of High School Institutes of the Metropolitan City of Reggio Calabria.

Curators: Department of Architecture and Territory-dArTe UniRC, ABITAlab dArTe UniRC, PMopenlab srls

Implementation: For the 2021/2022 school year, a 30-hour course has been set up, distributed over 10 lessons/seminars of 2 hours each (tot. 20 hours) + 2 outdoor meetings (tot. 4 hours) + 6 hours of Open School.

Type of communication: powerpoint presentations; videos

Agenda and themes: [click here](#)

Schools involved: High School Institute "A. Righi"-Reggio Calabria, Scientific High School "A. Volta"-Reggio Calabria

Media: [Seminars and OpenSchool 2022 photo-album](#) | [Video storytelling OpenSchool "Agenda 2030" - click here](#)



Link TCOP 2030 web platform space <https://www.rcmetrocitycitizensintransition.com/pcto-agenda2030> - TCOP Activities Presentation: [click here](#)



Fig.14 – Moments of the Open School “Agenda2030” Final Review- 20 may 2022. Source: ph. Courtesy A.Leuzzo

3.2.2 ADVANCED TRAINING ON SUSTAINABLE DEVELOPMENT, ECOLOGICAL AND DIGITAL TRANSITION IN UNIVERSITY COURSES

The "RC Metro Citizens in Transition" project supports spaces for the direct transfer of the themes of sustainable development and ecological and digital transition in the didactic and training courses provided by ABITAlab in Workshops and Thesis Ateliers for Architecture degree courses at the Univ. "Mediterranea di Reggio Calabria", which can take place in university courses, in seminar cycles, in dissemination at national and international conferences and in promotional activities and/or presence at Specialisation Schools and Masters. So far, 2 seminar cycles and 1 design workshop (fig.14) have been held within the Thesis Atelier "Architecture of Transition on Climate Change Scenarios. Advanced design and enabling technologies for hybrid buildings' (February-June 2022, a.y. 2021/2022), in particular:

a) *URGES Workshop - Urban Green Shapes "Quality, Efficiency and Neighbourhood Wellbeing"* (9-13 May 2022, Matera) Research project for interregional and transnational cooperation (POR FESR 2014-2020 REGIONE BASILICATA - LINEA A - Axis 4 - Renovation of buildings/ Energy Efficiency (green and digital), with partners DICEM-Unibas, Agenzia Lucana di Sviluppo ed Innovazione in Agricoltura (ALSIA), Universidad de Sevilla, Departamento de Proyectos Arquitectonicos, University of Ljubljana_ Faculty of Architecture, Unich- Department of Architecture, UniRC - Department of Architecture and Territory, ABITAlab and PMopenlab srls;



12 students
6 ABITAlab researchers
1 startup
60 hours of workshop activities

b) the Seminar Cycle '*ADDITIVE MANUFACTURING 4 PROTOTYPING. 3D printing and arduino technologies for the manufacture of prototypes of technological components designed with parametric tools*' (one week - 26/29 April 2022);



38 students
35 hours of activities (20 theory + 15 workshop)
1 startup
8 projects of advanced design and 3d printing

c) The Seminar cycle '*Regenerative design for zero-impact buildings towards climate neutrality. Energy-environmental assessment protocols, tools and digital technologies [SDGs, NbS+SUDS, Leed+CAM]*' (three weeks, February-March).



52 students
60 hours of activities (30 seminars + 30 workshop)
3 thematic modules
3 workshops
Blended form

The experiences and higher education courses conducted by ABITAlab at dArTe at the Mediterranea University of Reggio Calabria are illustrated on the platform at the link <https://www.rcmetrocitysinttransition.com/alta-formazione>

4

Monitoring the Knowledge Metrocity action with NSDS indicators and Sustainability Vectors

4.1 The National Strategic Choices and NSDS Strategic Objectives Indicators for Quality Education and Training Actions

According to the MATTM (2017), the *"Monitoring and evaluation of policies, plans, projects includes the objectives of ensuring the creation and implementation of integrated systems for the monitoring and evaluation of policies, plans and projects. These systems constitute the reference framework for SNSvS evaluations, for the analysis and assessment of the overall effects of the entire decision-making process, making it possible to understand whether and how the dynamics at work in the territories are consistent with the objectives set"*. For action 4 'Knowledge Metrocity', it was possible to propose activities of scientific-university competence for the transfer of knowledge in training events, seminars, courses, etc., targeting not only young people, but also the staff of organisations, professionals in various capacities, and representatives of civil society who can increase their skills on sustainable development issues. This trajectory made it possible to respond to the targets and popular selected indicators of SDS, not only through a rigorous evaluation and monitoring system, but also through a new narrative of SDS, based on the communication of concrete actions of continuous transfer.

Moreover, the accompanying activities of the SD National Table, in which the body has been represented since June 2020, have made the territorialisation process of the national sustainable development strategy more informed and effective, for its transfer to the territory. In fact, exchanges with the other Metropolitan Cities, information on the work related to the study of the selected Indicators and the initiatives proposed by the National Table and competing projects, are of interest and have seen the assiduous participation of representatives of the authority's technical-scientific working group.

The monitoring of the Knowledge Metrocity action concerned the consistency of the action with national strategic planning instruments. Specifically, the classification of the activities carried out according to National Strategic Choices (NSC), National Strategic Objectives (NSSO) and monitoring indicators, associated with the NSSOs and NSOs of the SNSvS 2022, was carried out.

With regard to the PNRR Missions, the Action tracks Missions 1 (Digitalisation, Innovation, Competitiveness, Culture and Tourism), 4 (Education and Research), 5 (Inclusion and Cohesion).

Specifically, Mission 1 is traced in components M1C1 and M1C2, with reference to the impacts obtained on digitisation and innovation in PA and on employment and quality training; Mission 4 is met consistently with component M4C1 through the outputs and outcomes deriving from training and information activities; finally, Mission 5 is traced in component M5C1, consistently with the impacts obtained in terms of labour policies. In addition, the work on the identification of tracked SSNs and OSNs made use of the ISTAT and ISTAT SISTAN SDGs indicator sources (see NSDS 2022) (Fig. 16).

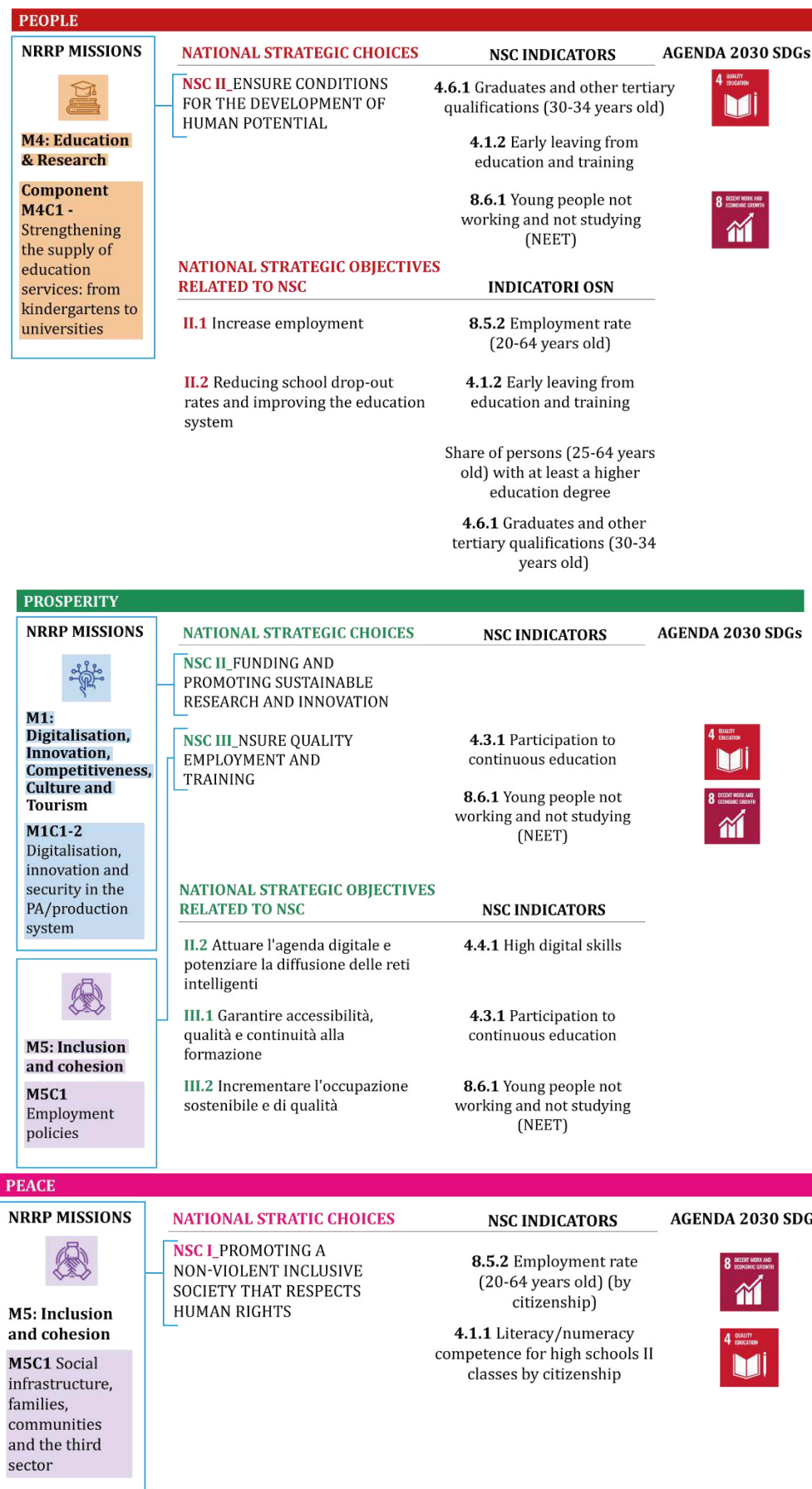


Fig. 16: The monitoring of the Knowledge Metrocity action in terms of the impacts achieved with reference to the Areas, the NSNs, the NSOs of the SNSvS 2022, the Missions and Mission Components of the NRP and the SDGs. Source: ABITAlab elaboration

Finally, each identified SSN shows the achievement of specific targets of the Sustainable Development Goals: targets: 4.1.2, 4.3.1, 4.4.1, 4.6.1 (Goal 4 - Quality Education); targets: 8.5.2, 8.6.1 (Goal 8 - Decent Work and Economic Growth) (Fig. 17).

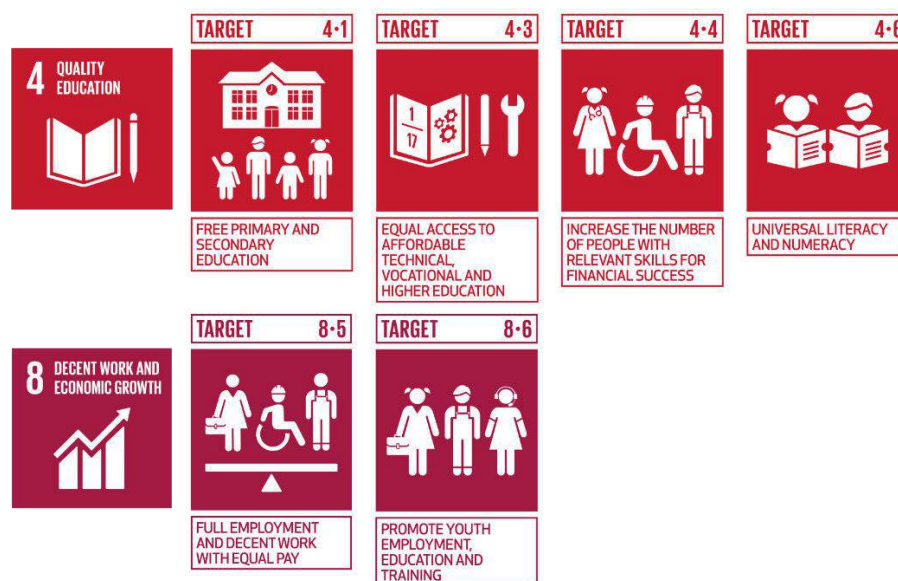


Fig. 17: The Sustainable Development Goals and related targets tracked by the activities carried out. Source: ABITAlab elaboration

In conclusion, with reference to the targets identified, it is possible to consider that the threefold purpose of the "Knowledge Metrocity" action has been achieved: 1. to transfer training and information on the issues to the participants in the series of seminars; 2. to select topics of interest for the construction of the Metropolitan Agenda of Reggio; 3. to organise the dedicated focus space in each seminar that transfers the issues addressed at the metropolitan level to pursuable processes of territorialisation for the implementation of the Agenda 2030 for the CM of Reggio Calabria.

4.2 Knowledge MetroCity for Sustainability Vector 2 «Culture for Sustainability»

The knowledge transfer and training activities were conducted with reference to the strategic area "Vectors of Sustainability" of the National Sustainable Development Strategy, on the Monitoring and Evaluation of the Sustainability Goals of all the actions of interest for the construction of the Metropolitan Agenda. Through dialogue with the Authority's institutional representatives, we wanted to propose the possibility that the Metropolitan Agenda on Sustainable Development itself could become a governance and guiding tool for the Authority's choices, even after the closure of its pilot project. In particular, it is about the possibility that the Sustainability Vectors, transferred to the metropolitan agenda, may also find traceability in the next territorial investment plans and programmes (NOP Metro, Pacts for the SOUTH, Recovery Plan, etc.), as well as in the MSP instruments and/or in the MUP, by implementing territorial coherence policies and monitoring the impacts on the SNSvS areas through the selected indicators.

Specifically, consistent with the focus of the action, the activities and impacts achieved responded most to the areas and trajectories of Sustainability Vector 2 "Culture for Sustainability"; however, in the activities of engaging the civic and educational ecosystem and participating in the activities of National Table Vector 3 "Participation for Sustainable Development" (Fig. 18).

Vector 2

“Culture for Sustainability”

Education and Training

Objectives

1 INNOVATING THE EDUCATION SYSTEM AND DEVELOPING SKILLS FOR SUSTAINABILITY



Activities

- Launch of the Metropolitan Forum + Civic Ecosystem and RCMCiT web platform presentation (9 Sept. 2020)
- Thematic table and update with Civic Ecosystem (30 Sept. 2020)

Trajectories

1.1 *innovate the education system and educational models and orient them towards sustainability and the transformation of knowledge into skills*, in an inter- and trans-disciplinary perspective, favouring research, innovation and the dissemination of a culture based on the values of peace, non-violence and global citizenship

1.2 *Enhancing learners' skills necessary to promote sustainable development and lifestyles by educating in complexity, critical and systemic thinking, creativity and transformation*

Activities

- N.1 working table with "Green Jobs" experts and Civic Ecosystem (Apr. 2022)
- N.1 co-design meeting with Civic Ecosystem and "Green Jobs" junior experts (7 Jul. 2021)

2 PROMOTE TRAINING FOR SUSTAINABLE DEVELOPMENT THROUGHOUT LIFE



Activities

- N.6 "Knowledge Metrocity" technical seminars (Pilot Action 4)
- N.1 meeting with civic ecosystem and junior experts "Green Jobs" (jul.2021)
- N.18 meetings ABITAlab group / CM Sector 5 (Feb.2020-Jan.2022)

2.1 *promote training and institutional capacity-building aimed at strengthening decision-making skills for sustainable development and public policy coherence, including through the use of foresight methodologies*
turo e riprogrammazione (foresight)

2.2 *Promoting training courses oriented towards the acquisition of new professional skills related to strategic sectors for sustainable development*

2.3 *Promoting the training of trainers and educators* and strengthening their skills for sustainable development

Attività

PCTO "The Agenda2030 Challenge" for High School Institutions

- a)** I edition (y.s. 2020/2021): 30 hrs of lessons + 20 hrs of workshops (Jan-May 2021)
- b)** 2nd edition (a.s. 2021/2022): 30 hours, distributed in 10 lessons/seminars of 2 hrs each (tot. 20 hrs) + n. 2 meetings outdoors (tot. 4 hrs) + 6 hrs Open School + 2 activities outdoors (Feb-May 2022)

Higher education activities with ABITAlab dArTe for university students

c) Cycle of Seminars "The regenerative project for zero-impact buildings towards climate neutrality. Energy-environmental assessment protocols, tools and digital technologies [SDGs, NbS+SUDS, Leed+ CAM]" (three weeks (February-March) - a.y. 2021/2022)

d) Thesis Atelier 'Architecture of Transition on Climate Change Scenarios.

Advanced design and enabling technologies for hybrid buildings" (February-June 2022 - a.y. 2021/2022)

3 **STRENGTHENING EDUCATION AND TRAINING FOR SUSTAINABLE DEVELOPMENT BY FOCUSING ON SYNERGIES BETWEEN INSTRUMENTS**



3.1 *Recognise and strengthen actors, initiatives, contexts and places of education and training, supporting the protagonism of the new generations and promoting active citizenship*

3.2 *Promote synergy between sustainability education and training initiatives, including at European and international level, and support the creation of educating communities*

Activities

- Launch of the Metropolitan Forum + Civic Ecosystem and RCMCiT web platform presentation (9 Sept. 2020)
- Thematic table and update with Civic Ecosystem (30 Sept. 2020)

Information and Communication

4 DEVELOP SHARED LANGUAGES, TOOLS AND VENUES TO INFORM AND COMMUNICATE SUSTAINABILITY

4.1 *Promoting pathways to literacy and the definition of a shared language on SNSvS and Agenda 2030*

4.2 *Constructing and testing new storytelling paths on SNSvS and developing effective communication to spread a vision of a future based on sustainability*

4.3 Innovate the places, methods and tools of information and communication, also supporting the role and initiatives of the younger generations to foster widespread knowledge on sustainable development

Activities

- N.1 working table with "Green Jobs" experts and Civic Ecosystem (Apr. 2022)
- N.1 co-design meeting with Civic Ecosystem and "Green Jobs" junior experts (7 Jul. 2021)
- N.1 engagement activity with the "Let's create value" best practice call (Sept. 2020)

Vector 3

“Participation for Sustainable Development”

Mapping and Formalisation

Objectives

1 MAPPING AND EMPOWERING NON-STATE ACTORS

Trajectories

1.1 *Mapping existing actors and instruments and recognising roles and responsibilities in the context of SNSvS and territorial sustainability strategies*

1.2 *Enabling the Forum for Sustainable Development, the National Conference for Sustainable Development and the territorial Fora as structured and permanent spaces for the involvement of non-state actors in the implementation process of the NSSD at different territorial levels*

Activities

- Launch of the Metropolitan Forum + Presentation of the Civic Ecosystem and RCMCiT web platform (9 Sept. 2020)

1.3 *Recognising and supporting the role of the younger generation as agents of change for sustainable development*

Activities

- N.1 working table with "Green Jobs" experts and Civic Ecosystem (Apr. 2022)
- N.1 co-design meeting with Civic Ecosystem and "Green Jobs" junior experts (7 Jul. 2021)
- N.1 engagement activity with the "Let's create value" best practice call (Sept. 2020)

2 **MAPPING AND ENABLING THE INSTITUTIONAL ACTORS**



2.2 *Enabling the Technical Tables between MiTE and the Regions, Autonomous Provinces and Metropolitan Cities as structured mechanisms of permanent and multi-level confrontation for sustainable development and policy coherence*

Activities

- N.2 meetings: Civic Ecosystem presentation and web platform - 9 Sept 2020; Thematic table and Civic Ecosystem update - 30 Sept 2020

Fig. 18: The impacts of knowledge transfer and vocational training activities, in terms of objectives achieved and trajectories followed, with reference to the strategic area "Vectors of Sustainability" of the National Sustainable Development Strategy, for the construction of the Metropolitan Agenda. Source: ABITAlab elaborations

In fact, the participation activities of the civic and educational 'ecosystems' monitored the trajectories of sustainability vectors with regard to common knowledge, awareness and communication for involvement in public policy processes and transfer on green jobs issues.

VECTOR 2 "CULTURE FOR SUSTAINABILITY - EDUCATION AND TRAINING"

1

Topics, process and methodology for preparing the VLR of Metropolitan City of Reggio Calabria

2

The implementation of Agenda 2030 for the Metropolitan City of Reggio Calabria

3

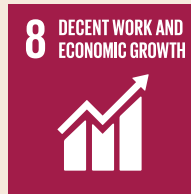
Knowledge MetroCity: actions for quality training and education towards Green Jobs

4

Monitoring the Knowledge Metrocity action with NSDS indicators and Sustainability Vectors

5

Monitoring the Knowledge Metrocity action with NSDS indicators and Sustainability Vectors



CAPABILITY AND COMMUNITIES IN TRANSITION

VECTOR 3 "PARTICIPATION FOR SUSTAINABLE DEVELOPMENT"

FUTURIST VLR MANIFESTO

"Digital narration", ABITAlab 2022

Clickable hyperlinks on icons and figures

Co-Design



www.rcmetrocitizensintransition.com/knowledge-codesign-greenjobs

VLR



**Ecosystem
2030**

www.rcmetrocitizensintransition.com

Assessment



www.rcmetrocitizensintransition.com/goalsmetrocity

“We are on the extreme promontory of the centuries!”

M.T. Marinetti

5

Future Trends and Conclusions

5.1 Activation of new paths on planning tools, programming and competitive projects

5.1.1 SUSTAINABLE ASSESSMENT GOALS METROCITY

The work on the construction of the Metropolitan Agenda and the active participation in the Ministerial Table on the occasion of the revision of the SNSvS allowed for the activation of the "Sustainable Assessment Goals Metrocity" project, initiated within one of the main aims of the Agendas: to strengthen and qualify the focus on sustainable development within the Metropolitan Strategic Plans, with a view to fully integrating all the dimensions of sustainability in the metropolitan planning, programming and management instruments. This condition defines the Metropolitan Agenda for Sustainable Development not as a new and additional planning instrument, but rather as a device for integrating and orienting existing and/or ongoing instruments.

Specifically, in the framework of Phase I of the Sustainable Assessment Goals Metrocity (March - May 2022), activities were carried out to update and implement the monitoring system "Indicators and Vectors of the NSDS" [1] of the MSP and to update the traceability of territorial investments related to the interventions foreseen within it, in coherence with the NAPCSDP (National Action Plan for Policy Coherence for Sustainable Development) [2].

[1] The activities to update the monitoring system mainly concerned the tracking of the Sustainability Vectors derived from the most recent document of the National Sustainable Development Strategy (SNSvS22 draft 02 - doc in progress). In particular, the activity included the identification of the Sustainability Targets and Trajectories, through which, within the SNSvS02 2022, the Sustainability Vectors of the Strategy are defined as 'enabling factors' of sustainable development; this definition, identifies in the **Sustainability Vectors** a support to the 'enabling actions' already foreseen for each 'Project Idea' of the MSP. Furthermore, the monitoring system was implemented in the context of the expected results, through the classification of each "Idea Project" according to the **National Strategic Choices** (NSS), the **National Strategic Objectives** (NSSO) and the **monitoring indicators**, associated to the NSSO and NSO in the latest draft of the SNSvS revision. Finally, for each 'Project Idea', the MDGs and targets of the related **Sustainable Development Goals** were associated with each SSN (Fig. 13a).

[2] The updating activities of the Policy Coherence Framework of the "Project Ideas" section of the Metropolitan Strategic Plan concerned national and regional strategic planning levels. In particular, the traceability of territorial investments has been updated through the identification of the **Missions** and **Mission Components** of the **National Recovery and Resilience Plan**, of the **Programming Objectives POR Calabria 21-27** (DGR n. 122, 28/03/2022) and of the **Areas of Innovation from S3 Calabria** (DGR n. 121, 28/03/2022) (Fig. 19b).



Fig. 19a: Extract of the MSP implemented and updated with reference to the contribution to the achievement of the Programming Objectives 21-27 (ROP Calabria 21-27 and S3 21-27), to the traceability of the intervention with the Missions and Mission Components of the NRP and to the SNSvS 2022 Sustainability Vectors. Source: ABITAlab elaboration

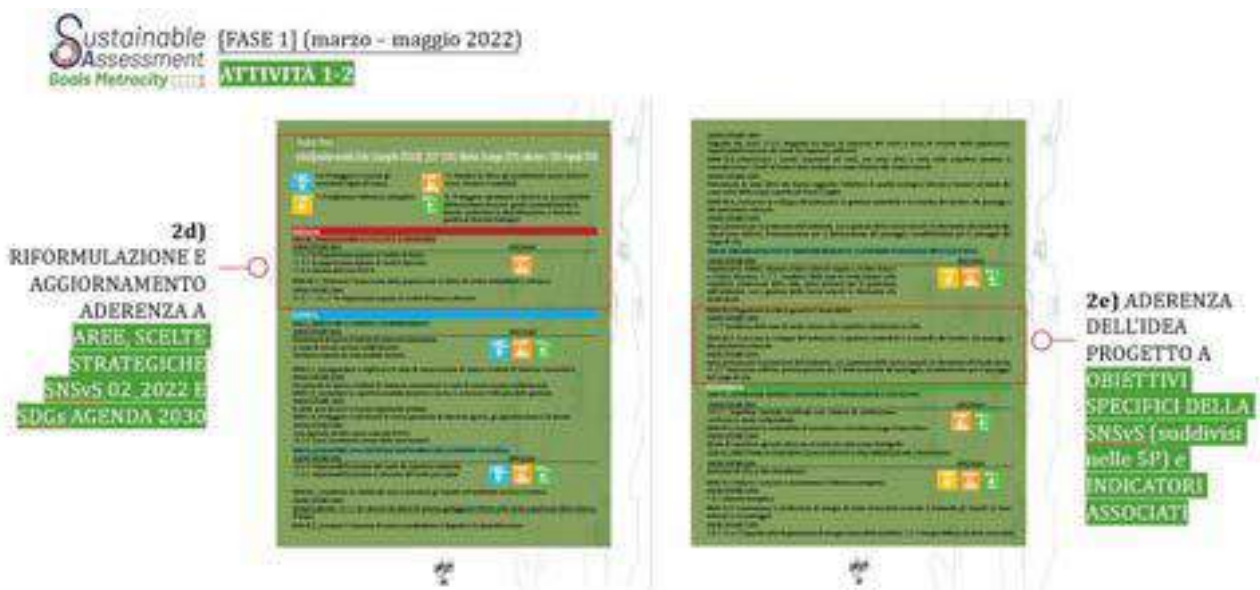


Fig. 19b: Extract of the implemented and updated MSP with reference to the implementation of the NSSD on MSP (Areas, NSSDs and NSOs with related indicators) and the contribution to the Sustainable Development Goals. Source: ABITAlab elaboration

Finally, by equipping the MSP with a monitoring system of the sustainability (*sustainable assessment*) of the planned interventions, the Sustainable Assessment Goals Metrocity project acts in coherence with Category C of the project proposals envisaged in the public notice addressed to the Metropolitan Cities for the presentation of expressions of interest for activities pursuant to Article 34 of Legislative Decree no. 152/2006 and subsequent amendments and integrations (see Annex 5).


5.1.2 SOCIAL AND EMPLOYMENT INCLUSION: THE GREEN JOBS OF THE FUTURE

In addition to the transfer of knowledge (information and training) on all the thematic areas of the National and Regional Strategy, the focus adopted in the construction of the Metropolitan Agenda of Reggio Calabria has been to take a particular interest in implementing the objectives aimed at the Prosperity area (ob.I.1; I.2; I.3; II.1; II.2), regarding quality training and growth in the professions through technology transfer, in order to affect one of the socio-economic weaknesses of the metropolitan territory. The Metropolitan City of Reggio Calabria is implementing, through its sectoral strategies, these priorities contained in the Metropolitan City/M MATTM Agreement, within the framework of the implementation of the National Strategy on Sustainable Development. In particular, the Authority has intended to invest above all in the particular fragile condition of the emigration of the young generations in search of qualified work. For this reason, the social inclusion of young workers through quality education was presented as one of the priorities of the Project "Rcmetrocitizens in Transition" (<http://www.rcmetrocitizensintransition.com>), contributing to the achievement of the objectives of the SNSvS and the SRSvS in the metropolitan area, through actions of knowledge transfer on sustainability, objectives of the SNSvS and the SRSvS in the metropolitan area, on sustainable development issues to the target groups and promoting the professional inclusion of highly qualified profiles on issues related to the fields of interest of the 2030 Agenda, through the selection of "Junior Green Jobs Experts

In this context, the direction of the steering committee of the Pilot Project for the construction of the Agenda entrusted to the Metropolitan City's Sector 5 'Professional Training, Universities and Community Policies' and the technical-scientific assistance of the ABITAlab centre, which took care of its steering, dissemination and dissemination, made it possible to respond to category B of the public notice (MAATM, 2019) 'Involvement of civil society'.

As a result, sector 5, in adherence to its institutional governance framework and in the direction of the policies of reinforcement and inclusion at work, as outlined in the proposed agreement, launched the public selection of no. 6 "Green Jobs" Junior Experts, to be hired for collaborative activities in the project itself. The figures selected by the Reggio Calabria Metropolitan City Authority are:

- No. 1 Junior Assistant in **Territorial Governance**;
- No. 1 Junior Assistant in **Support System and Project Action Monitoring System**;
- no. 1 Junior Assistant in **Technical/Scientific Dissemination**
- 1 Junior Assistant in **Urban Tactics Dissemination**;
- 1 Junior Assistant in **Management and Promotion Hackaton**;
- no. 1 Junior Assistant in **Project Action Monitoring Management**.

A first result of the social and labour inclusion in the construction of the Metropolitan Agenda was the start-up of a collaboration process between the associations and the junior experts for green jobs, during the co-design activities, being able to invest in the possibility of acting on the fragilities of the metropolitan social capital, by focusing on the strength of the civic ecosystem as a catalyst for the dissemination and transfer of values, knowledge, expertise and operativeness in the territories, through the ability of the member associations to co-design and co-produce together with the junior "green jobs" experts selected by the Metropolitan City Authority. Finally, the documents and impacts related to the activities carried out for the green jobs remain available and can be monitored on the pilot project platform .

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Piattaforma MiTe SNSvS: <https://www.mite.gov.it/pagina/strategia-nazionale-lo-sviluppo-sostenibile>

Sito web del laboratorio Universitario: www.abitalab.unirc.it

Websites of associations and their SD best practices

Ass. Pensando Meridiano: www.pensandomeridiano.com (progetti: Knowledge Vs Climate Change: www.knowledgevsclimatechange.com)

Ass. Amici di Montalto: <http://www.amicidimontalto.it/>

APS Francesco Amendolea: <https://www.assamendolea.it/>

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ANNEXES (digital hyperlinks)

Annex no. 1 - Knowledge MetroCity Technical Seminar Reports ([click here](#))

Annex no. 2 - "Creiamo Valore" digital magazine ([click here](#))

Annex no. 3 - TSOC Reports "The Agenda2030 Challenge" ([click here](#))

Annex no. 4 - Contribution to the Preliminary Document of the RC Metropolitan City MSP ([click here](#))

FUTURIST MANIFESTO of CODESIGN and ASSESSMENT for the VLR ([click here](#) for large-format graphic-textual work with links)