



EIT Climate-KIC SATURN

Project newsletter #3



Our Saturn project is looking at sustainable landscape solutions for places and communities that looks to address both the climate and ecological emergencies. What we are devising is a framework approach that can be replicated elsewhere once we have proved its effectiveness.



For more informations and to read the full interviews with SATURN stakeholders go to: <https://eventi.fmach.it/saturn/News-and-events/Newsletter>

EDITORIAL: ELISA MORGANTI (HIT - Hub Innovazione Trentino)



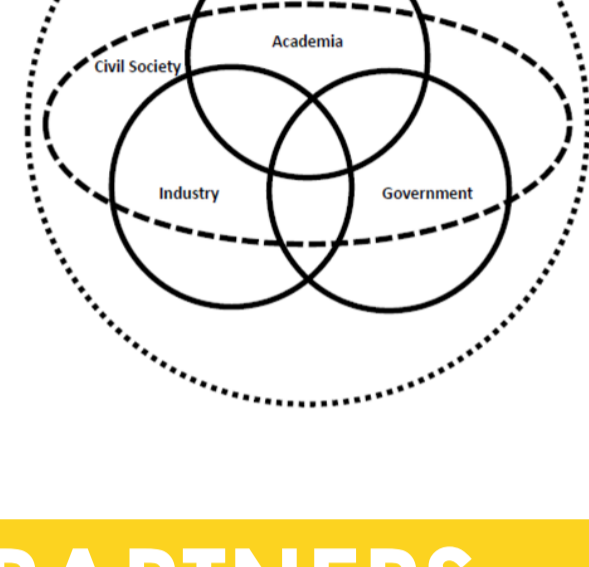
SATURN was a bet for me with an electronic engineering background and a present in technology transfer. The theme of spatial planning and landscape was completely new to me, with a lot of systemic thinking and implications. It was inspiring to explore new interactions and visioning pathways and witness the involvement of local communities activated in the different SATURN initiatives.

In fact they become more and more aware of the role and importance of the landscape towards sustainable growth. SATURN tools and approaches have evolved since the beginning and the narrative beyond them then transformed into a value proposition for public and private authorities in charge of strategic planning activities and decision making.

The role of Hub Innovazione Trentino in the project, in line with its mission, is to foster innovation and produce value from research. In the SATURN cases, we have not only technology innovation, but also systemic, acting on different levels of decision-making process and involving several (often not conventional) stakeholders. The pursued approach has the potentiality to become a perfect example of quintuple helix integration involving academia, government, civil society, business, and the natural environment as an active stakeholder.

What is still missing, and we are working on it, is an exploitation roadmap and business case to create and valorise services generated from SATURN cases. We requested and obtained the support of the Horizon Results Booster, a service provided by the EU Commission to facilitate the exploitation of EU funded projects.

Project partners individuated three key exploitable results, namely an open GIS based software for the evaluation of the rural-urban metabolism, a methodology for visioning exercise, the concept of farm incubators and model farm. The expected impact of the use of these tools is a systemic change in the spatial and governance context of cities and regions. The approaches implemented by SATURN could bring a new mechanism for local authorities to value their land and ways to support the route to sustainable development and Net Zero cities.



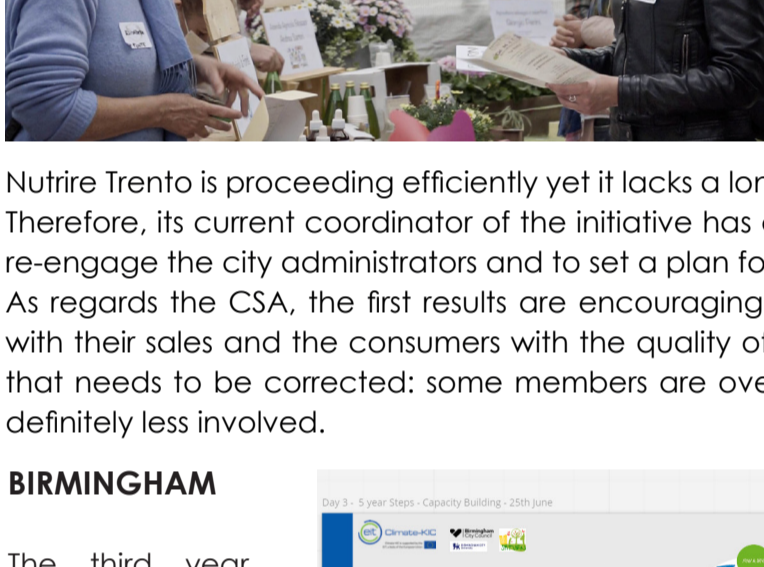
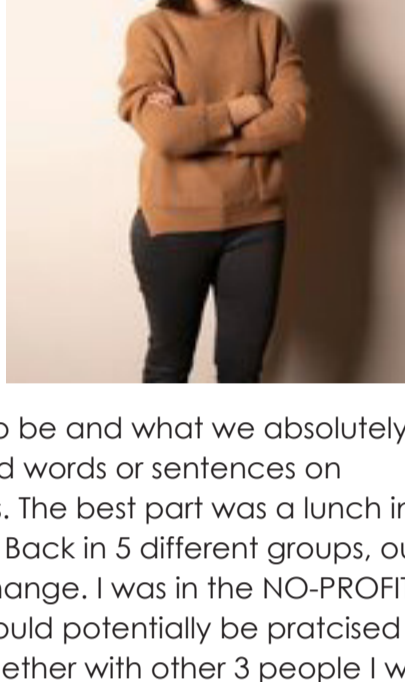
UPDATES FROM PARTNERS

TRENTINO -- Conference Of Youth on Climate

Sofia Pederzoli - Representative of youth from Rotaliana Pilot case

It's Saturday and everyone is ready for the weekend! But there is something better happening on the 8th May 2021. There is something we all need to take part into to learn and feel attached to Climate Change and its consequences. After a long time we took part to one of the first events in presence to be officially part of the change and act together. We were 50 youngs from different regions of North Italy, with very different backgrounds but one very powerful objective: let our voices be listened! After an introduction session we were randomly divided into 4 groups: politics, entrepreneurship, education and No-Profit sector.

We spoke a lot about our desires and what we would like the reality to be and what we absolutely don't want. After this brainstorming we got back together and posted words or sentences on specific topics by physically going billboard to billboard to stick post-its. The best part was a lunch in the garden, where we continued our exchanges on climate change. Back in 5 different groups, our duty was to write sentences for the politics in order to beat climate change. I was in the NO-PROFIT TEAM and the ideas were simply amazing, even because the ideas could potentially be practised by the next day. We expressed our points to the whole group and together with other 3 people I was elected to represent the youngs in the event of the COY in Milan, next September!



NUTRIRE TRENTO - STEPS AHEAD!

Nutrire Trento Table has concentrated on two areas:

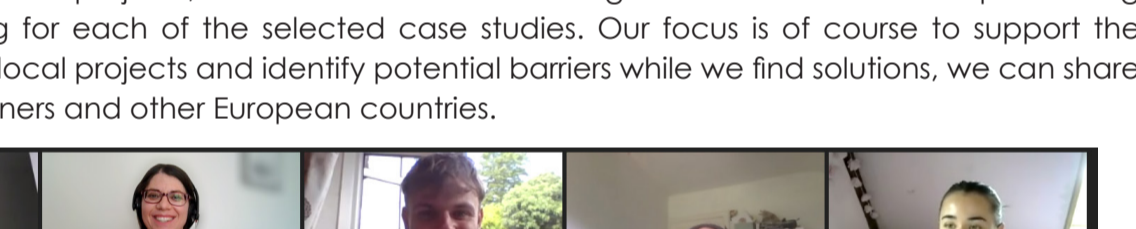
- Networking between associations and good practices in the local food sector, in order to facilitate cooperation between them.
- Assistance to the Community Supporting Agriculture (CSA) "NaturalMente in Trentino" both in communicating with the public and in organising activities, events and deliveries of food products.

Nutrire Trento is proceeding efficiently yet it lacks a long-term objective and the resources to pursue it. Therefore, its current coordinator of the initiative has asked the representatives of the Municipality to re-engage the city administrators and to set a plan for further activities.

As regards the CSA, the first results are encouraging and the members are satisfied: the producers with their sales and the consumers with the quality of the products. However, there is an imbalance that needs to be corrected: some members are overwhelmed with responsibilities, while others are definitely less involved.

BIRMINGHAM

The third year of the project is under its way and the activities in the UK continue.



This year the focus of the project is on building capacity within its partners and supporting local stakeholders to achieve their goals and build a strong network and a spatial vision for their regions. Following the successful stakeholder engagement process, through a series of workshops for several months in 2020, the focus in Birmingham has now shifted on 'How to' achieve the aims of our key actors.

The Birmingham Hub has selected and working with three main case studies in relation to SATURN, the Naturally Birmingham project, the Urban Food Growing Network and the Tame Valley Wetlands partnership. Currently Birmingham operates in two pillars: one tests the tools developed by SATURN by using them on real life projects, while the same time it arranges for a series of workshops focusing on capacity building for each of the selected case studies. Our focus is of course to support the development of the local projects and identify potential barriers while we find solutions, we can share with our SATURN partners and other European countries.



GOTHENBURG

2021 marked the third season of growing tasty, nutrient dense vegetables while also growing new urban farmers.

Klara came back in mid-March right into finalizing the contract and then started working together with five interns from early April until mid-June. April and May were dedicated to preparing the raised beds, broadforking, adding manure or compost where needed before seeding and transplanting several varieties of vegetables from tomatoes to swiss chard. Schools and care homes who have been eagerly awaiting their deliveries were very glad to receive this delights.

Two classes of market gardener students joined in for practical work at five occasions, following along during the season.

There are 40 beds filled with vegetables to produce around 3000 kg of vegetables during the whole season, which equals 20-25 thousand servings of vegetables in the receiving kitchens. The incubator has had its final training of green entrepreneurs for the semester. The final pilot called LAB190 has started the mapping of underutilized farmland in the adjacent areas and a land lease scheme is under development.

TRENTO - WROCLAW EXCHANGE



Between May and June, the Trentino hub hosted PhD Malgorzata Swiader for three weeks. Malgorzata is a researcher from the University of Wroclaw - Faculty of Education and Life Sciences, Institute of Spatial Management.

During her PhD, Dr Swiader specialised in the calculation of the carbon footprint and the methodology she proposed was applied to calculate the ecological footprint of the inhabitants of the autonomous province of Trento.

During her stay, the correctness of the calculations made regarding the ecological footprint and biocapacity of the Trentino region was verified.

In recent months, it was decided to transform this methodology into a plugin for an open source Geographic Information System software, namely QGIS. The intention is to simplify the process as much as possible in order to make it replicable in other contexts and easily usable by experts from municipalities, provinces and regions to assess the sustainability of their territory. The plugin is currently being prepared and a beta version is expected to be released by the end of the summer. After the internal testing phase, there will be external tests, with the help of the local stakeholders involved, and then again external testing of the tool will be requested.

Also during the testing phase, it is planned to test the correctness of the calculation by entering the data used by Dr. Swiader during her doctorate to assess the ecological footprint and biocapacity of the city of Wroclaw.

This visit was an opportunity to establish new future research collaborations, as well as networking for participation in new project calls.

EVENTS JOINED BY PARTNERS

SATURN participates in ATINER 2021! Dr Alessandro Betta and Dr Anastasia Nikologianni had the pleasure to participate in the 11th Annual International Conference on Urban Studies and Planning organised by the Athens Institute of Education and Research. The international conference was hosted in Athens with the opportunity for remote access across the globe, as a result of the ongoing COVID-19 restrictions.

Alessandro and Anastasia, had the opportunity to talk about the importance of the landscape and the ways in which the SATURN project methodology enhances the decision making processes across the city or region. With a focus on sustainable land use, tools designed and tested during the project, such as 'Stakeholder Engagement' and 'Visioning' were presented and their benefits in relation to sustainable developments were analysed and discussed. In addition, examples from the SATURN project case studies were used to highlight the importance of landscape design in spatial planning. Some of the tools used by the project's case studies were presented as significant examples to achieve systemic change.

Overall, SATURN gathered interest from panellists and audience of the conference.

FINAL EVENT



SAVE THE DATE

SATURN project final event
📅 13-16/10/21

Trento
Pergine Valsugana
Arco
Rotaliana

The final event of the Ecosystem Project "System and sustainable Approach to virtuous interaction of Urban and Rural Landscapes" (SATURN) co-funded by EIT Climate-KIC will be held in Trentino (North Italy) between 13 and 16 October. The keywords of the final event are **hybrid**, based on **experience** and **itinerant**. It will be organized in half-day activities in the local pilot cases of Trento, Pergine Valsugana, Arco and Rotaliana where different stakeholders (public officers, farmers, youth, entrepreneurs, NGO's representatives, and citizens) will (re)discover their landscapes and reflect on future solutions in Sustainable Land use within the actual climate challenges.

